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Abbott, Paul D. Mechanical traction adjuster for farm vehicles. 3,242,993, 3–29–66, Cl. 172—239.

Abbott, Paul D. Three-point hitch linkage equalizer. 3,255,828, 6–14–66, Cl. 172—7.

Abbott, Paul D. Vehicle having selectively fixed or floating steerable wheels. 3,262,715, 7–26–66, Cl. 280—95.

Abbott, Raymond B. and R. H. Olson, to Owens-Illinois Glass Co. Neck mold apparatus for glass forming machine. 3,241,941, 3–22–66, Cl. 65—235.

Abbott, Richard L., to Commercial Solvents Corp. Nitroolefins prepared from primary nitrohydrocarbons and aldehydes. 3,255,263, 6–7–66, Cl. 260—644.

Abbott, Richard L., to Commercial Solvents Corp. Production of nitroalkanes. 3,272,874, 9–13–66, Cl. 260—644.

Abbott, Robert E., and T. R. Moody, to Halliburton Co. Restoring mechanism for railway draft gear. 3,233,747, 2–8–66, Cl. 213—7.

Abbott, Roy W., to General Electric Co. Air conditioning apparatus for cooling or dehumidifying operation. 3,257,822, 6–28–66, Cl. 62—428.

Abbott, Roy W., to General Electric Co. Air conditioning unit. 3,289,433, 12–6–66, Cl. 62—262.

Abbott, Samuel L., to Abbott Machine Co., Inc. Slub catcher. 3,254,388, 6–7–66, Cl. 28—64.

Abbott, Samuel L., to Abbott Machine Co., Inc. Making core yarn. 3,257,793, 6–28–66, Cl. 57—163.

Abbott, Thomas I., to Eastman Kodak Co. Colloid transfer process. 3,240,600, 3–15–66, Cl. 96—28.

Abbott, Thomas I., to Eastman Kodak Co. Printing matrix made by a colloid transfer process. 3,276,871, 10–4–66, Cl. 96—28.

Abbott, Thomas I., and D. A. Smith, to Eastman Kodak Co. Deletion fluid. 3,276,361, 10–4–66, Cl. 101—149.2.

Abbott, Thomas I., and H. F. Huedepohl, to Eastman Kodak Co. Photographic element. 3,291,610, 12–13–66, Cl. 96—83.

Abbott, Tirey C., Jr., S. Glazer, M. S. Armstrong, A. M. Angel, and L. J. Andrews, to The National Cash Register Co. Scanning system for registering and reading characters. 3,243,776, 3–29–66, Cl. 340—146.3.

Abbott, Tirey C., Jr., D. B. Congleton, and W. H. Lawrence, to The National Cash Register Co. Optical character reader scanning means. 3,250,172, 5–10–66, Cl. 88—1.

Abbott, Tirey C., Jr., C. O. Carlson, H. D. Ives, and I. V. Rondas, to The National Cash Register Co. Reducing camera. 3,260,153, 7–12–66, Cl. 88—24.

Abbott, Tirey C., Jr., and W. H. Lawrence, to The National Cash Register Co. Micro-image viewer. 3,267,801, 8–23–66, Cl. 88—24.

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Abbott, William B., and H. Klepper, to Eltra Corp. Main drive mechanism for linecasting machines. 3,262,554, 7–26–66, Cl. 199—11.

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Abdo, Milton K., and P. E. Blatz, to Mobil Oil Corp. Stable positive nonsimple liquid for water-flooding subterranean formations. 3,292,697, 12–20–66, Cl. 166—9.

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Abe, Akira, and K. Konishi, to Tateisi Electronics Co. Control system for vending machines. 3,269,505, 8–30–66, Cl. 194—10.

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Abe, Zenmon, R. Mori, S. Yoshimaru, T. Numakura, and T. Suzuki, to Kabushiki Kaisha Hitachi Seisakusho. Detection systems for amplitude-modulated waves and communication systems utilizing said detection systems. 3,234,473, 2–8–66, Cl. 329—50.

Abe, Zenmon, and N. Aoki, to Kabushiki Kaisha Hitachi Seisakusho. Variable capacitance modulation circuit. 3,270,297, 8–30–66, Cl. 332—47.

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Abegglen, Jean. Line changer for a roller-type conveyor plant. 3,279,583, 10–18–66, Cl. 198—38.

Abel, Donald J. Holding device for an object. 3,266,111. 8–16–66, Cl. 24—81.

Abel, Donald J. Latch operated gear clutch. 3,291,270, 12–13–66, Cl. 192—30.

Abel, Edmond L., and J. G. Spanyi, to Burndy Corp. Flexible electrical jumper connection. 3,231,851, 1–25–66, Cl. 339—263.

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Abel, Louis. Numero-graphical tables. 3,269,649, 8–30–66, Cl. 235—89.

Abel, Martin L. Fiber producing machine which delivers wicking material made therefrom into a bearing well and the method therefor. 3,226,801, 1–4–66, Cl. 29—149.5.

Abel, Martin L., to Force Controls Co. Load indicating device. 3,246,511, 4–19–66, Cl. 73—141.

Abel, Martin L., to Permawick Co. Extrusion apparatus and method. 3,273,668, 9–20–66, Cl. 184—1.

Abel, Ursula E. Inside slipper foot cover. 3,269,038, 8–30–66, Cl. 36—10.

Abel, Ursula E. Sport sock. 3,289,328, 12–6–66, Cl. 36—9.

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Abell, Jerrold J., and R. C. Berry, to Rogers Corp. Waterproof gas-permeable plastic sheet. 3,262,834, 7–26–66, Cl. 161—159.

Abell, Jerrold J., and K. J. Virkus, to Rogers Corp. Permeable microporous plastic sheet and the method of making the same. 3,285,864, 11–15–66, Cl. 260—2.5.

Abell, Leo M., R. C. Emmett, Jr., and R. B. Thompson, to The Eimco Corp. Process of forming aggregates of metal bearing ores followed by quiescent submergence in a solvent. 3,269,832, 8–30–66, Cl. 75—117.

Abelsma, Cornelis B., to Burlington Industries, Inc. Yarn splicing apparatus. 3,294,614, 12–27–66, Cl. 156—433.

Abend, Chester J., and W. A. Morrison, to SCM Corp. Display container. 3,262,558 7–26–66, Cl. 206—45.15.

Abend, Phillip G., to Gulf Research & Development Co. Boron-containing copolymers and lubricating oils containing them. 3,232,876, 2–1–66, Cl. 252—49.6.

Abend, Phillip G., and A. T. Guttmann, to Armour and Co. Preparation of N-acyl taurates. 3,234,247, 2–8–66, Cl. 260—401.

Abend, Phillip G., and E. Jungerman, to Armour and Co. p-Xylylene bis quaternary ammonium compounds. 3,283,005, 11–1–66, Cl. 260—567.6.

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Schmitter, Walter P., Abendroth, and Bernard. 3,273,000.

Aber, Henry S., and F. T. Goetz. Splash guard and mounting assembly therefor. 3,285,624, 11–15–66, Cl. 280—154.5.

Aber, Jesse I., to Owens-Corning Fiberglas Corp. Size composition for glass, and treated glass structures and method for manufacturing same. 3,262,809, 7–26–66, Cl. 117—72.

Aber, Joseph S. Hydraulic cylinder actuator baffles. 3,234,854, 2–15–66, Cl. 91—4.

Aber, Joseph S. Hydraulic cylinder actuator. 3,234,953, 2–15–66, Cl. 91—4.

Abercrombie, Bolling A., and J. W. Taylor, to U.S. Industries, Inc. Relief valve. 3,294,111, 12–27–66, Cl. 137—492.

Abercrombie, Hinemon L., Jr., to Mobil Oil Corp. Method and apparatus for testing and treating liquids. 3,287,960, 11–29–66, Cl. 73—53.

Abercrombie, Malcolm J., to British Geon Ltd. Process for the polymerisation of vinyl chloride. 3,293,199, 12–20–66, Cl. 260—17.

Abere, Joseph F., to Minnesota Mining and Mfg. Co. Aqueous emulsion composition. 3,266,921, 8–16–66, Cl. 106—243.

Abere, Joseph F., to Minnesota Mining and Mfg. Co. Aqueous paper pulp mix containing polymeric polyester with carboxyl groups and a polyalkylenimine. 3,267,054, 8–16–66, Cl. 260—17.4.

Abere, Joseph F., to Minnesota Mining and Mfg. Co. Electrode position process using an aqueous emulsion containing a prepolymer and a polyalkylenimine. 3,268,433, 8–23–66, Cl. 204—181.

Aberg, Anders B. Distance piece for concrete-reinforcing rods. 3,290,842, 12–13–66, Cl. 52—309.

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Abermeth, Hubert, to Klockner-Humboldt-Deutz Aktiengesellschaft. Circular piston machine. 3,288,118, 11–29–66, Cl. 123—8.

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Abernathy, Roger E., to International Business Machines Corp. Program control for data processing machine. 3,290,655, 12–6–66, Cl. 340—172.5.

Abernathy, William J. Abrasive articles and method of making abrasive articles. 3,287,862, 11–29–66, Cl. 51—204.

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Abner, Thomas L., G. R. Grooks, and E. M. Williston, to Weyerhauser Co. Fastening means for supporting siding panels. 3,261,136, 7–19–66, Cl. 52—471.

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Abolins, Andrew, to Strick Trailers, a Division of Fruehauf Corp. Flush mounted clearance lights for trailers. 3,238,365, 3–1–66, Cl. 240—8.2.

Abolins, Andrew. Semi-automatic horizontal container coupler. 3,261,070, 7–19–66, Cl. 24—221.

Abolins, Andrew. Split compression spring for radial assembly. 3,278,176, 10–11–66, Cl. 267—1.

Abos, Ralph L., to Polycarbide Corp. Apparatus for forming high-temperature resistant member. 3,275,735, 9–27–66, Cl. 13—25.

Abos, Ralph L., to Polycarbide Corp. High temperature resistant member and process for forming. 3,288,573, 11–29–66, Cl. 29—182.8.

Abplanalp, Robert H. Liquid receiver for aerosol dispensers. 3,228,567, 1–11–66, Cl. 222—157.

Abplanalp, Robert H., to Precision Valve Corp. Dispensing cap for an aerosol container. 3,260,416, 7–12–66, Cl. 222—182.

Abplanalp, Robert H. Dispensing cap for an aerosol container. 3,269,614, 8–30–66, Cl. 222—394.

Abplanalp, Robert H. Aerosol can protected against explosion. 3,292,826, 12–20–66, Cl. 222—397.

Abplanalp, Robert H., J. R. Focht, and E. W. Tribou, to Precision Valve Corp. Heating unit for aerosol container. 3,281,018, 10–25–66, Cl. 222—146.

Abragam, Anatole, R. Beurtey, A. Papineau, J. Thirion, and J. M. Winter, to Commissariat a l'Energie Atomique. Method of polarizing ions, and sources of polarized ions, notably protons and deuterons, obtained therefrom. 3,286,162, 11–15–66, Cl. 324—.5.

Abraham, Carlos S. Electric steam iron. 3,263,350, 8–2–66, Cl. 38—77.

Abraham, Carlos S. Steam iron. 3,274,714, 9–27–66, Cl. 38—77.

Abraham, Edward P., and G. G. F. Newton, to National Research Development Corp. Imidazolyl desacetoxy-7-aminocephalosporanic acid derivatives. 3,228,934, 1–11–66, Cl. 260—243.

Abraham, Ernestine G., and G. Lamb, to American Cyanamid Co. Alkyl-substituted cyclohexyl guanidines and biguanides. 3,228,975, 1–11–66, Cl. 260—501.

Abraham, George. Negative resistance multistable circuit switching. 3,293,453, 12–20–66, Cl. 307—88.5.

Abraham, Jimmy M., to International Telephone and Telegraph Corp. Method of vapor deposition employing an electron beam. 3,276,902, 10–4–66, Cl. 117—106.

Abraham, Paul P., and R. Metzger. Animated target device. 3,262,704, 7–26–66, Cl. 273—102.1.

Abraham, Wayne G., J. F. Kendall, Jr., and F. L. Salisbury, to Varian Associates. High frequency electron discharge device. 3,284,660, 11–8–66, Cl. 315—5.39.

Abrahams, David H., and L. Goldberg, to Dexter Chemical Corp. Uron resin-triazone compositions. 3,264,241, 8–2–66, Cl. 260—29.4.

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Abrahams, Richard L., and T. Hubka, to General Precision, Inc. Automatic frequency lock-on control system. 3,263,228, 7–26–66, Cl. 343—17.7.

Abrahamsen, Albert A., and R. W. Simmons. Process for directing fish and an apparatus used therein. 3,229,404, 1–18–66, Cl. 43—4.5.

Abrahamsen, Johan. Portable nailing machine. 3,238,983, 3–8–66, Cl. 145—30.

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Abrahamson, Ernest B., to United States of America, Navy. Apparatus for testing conductivity of an unknown impedance and including silicon controlled rectifier detector means. 3,277,364, 10–4–66, Cl. 324—54.

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Abramo, John G., and E. C. Chapin, to Monsanto Co. Betahaloalkyl-aromatic-methyl cyanides. 3,256,313, 6–14–66, Cl. 260—465.

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Abrams, Edward F., W. C. Plunk, and A. Silver, to The Garrett Corp. Vector balanced pressure ratio transducer. 3,266,320, 8–16–66, Cl. 73—407.

Abrams, Edwin R., and S. A. Stone. Device for indicating swing characteristics of a golf putter. 3,232,623, 2–1–66, Cl. 273—186.

Abrams, Irving M., to Diamond Alkali Co. Removal of anionic surfactants from liquids. 3,232,867, 2–1–66, Cl. 210—37.

Abrams, Irving M., to Diamond Alkali Co. Agglomeration prevention in anion exchange and mixed exchange resins using finely divided bentonite. 3,262,891, 7–26–66, Cl. 260—2.1.

Abrams, Morris, to Arrow Fastener Co., Inc. Hand operated staple gun tackers. 3,229,882, 1–18–66, Cl. 227—132.

Abrams, Ned H. Structural members and structures. 3,289,366, 12–6–66, Cl. 52—174.

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Abrams, Ralph, to Cable Electric Products, Inc. Illuminated vehicle display device. 3,242,329, 3–22–66, Cl. 240—7.1.

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Abramson, George, Jr. Fish lure. 3,266,185, 8–16–66, Cl. 43—35.

Abramson, Jack. Method of removing lead plates from batteries. 3,269,870, 8–30–66, Cl. 136—174.

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Ashworth, Stewart I. 3,286,406.
Ashworth, Stewart I., and Field. 3,270,463.

Abruzese, Michael. Beach blanket anchor. 3,237,904, 3–1–66, Cl. 248—361.

Abt, Clark C., and G. F. Vanderschmidt, to United States of America, Air Force. Radiation shield having a plurality of strings rotatable between an open and closed position. 3,280,331, 10–18–66, Cl. 250—108.

Abt, Ronald C., and W. L. Eisberg, Jr., to General Electric Co. Electrolytic material removal electrode. 3,290,237, 12–6–66, Cl. 204—224.

Abts, Manfred, to Ford Motor Co. Crankcase ventilation system for an internal combustion system. 3,277,876, 10–11–66, Cl. 123—119.

Accarino, Mario A., W. G. Schwars, H. E. Schafer, and T. Hefferman, said Schwars and Hefferman assors. to General Iron Corp. Fan stand. 3,244,124, 4–5–66, Cl. 108—12.

Accary, André, J. Dubuisson, and P. Rousset. Process for the preparation of a uranium compound in powder form. 3,228,748, 1–11–66, Cl. 23—14.5.

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Norman, Daniel P., and Dorsey. 3,277,418.
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Achabal, Oscar R., and M. Uroshevich. Display shelf clip-on devices. 3,248,765, 5–3–66, Cl. 24—81.

Achammer, Alfred. Apparatus for the conveyance of standard size objects. 3,228,542, 1–11–66, Cl. 214—38.

Achard, Rene, G. Bo, R. David, and J. Estienne, to Rhone-Poulenc S.A. Process for the production of vinyl esters by the oxidation of ethylene. 3,281,457, 10–25–66, Cl. 260—497.

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Acher, Heinz. Device for folding sheets or foils of paper or the like. 3,241,829, 3–22–66, Cl. 270—61.

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Paulus, George F. 3,293,203.

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Achinger, Michael, and H. Bayer, to Maschinenfabrik Augsburg-Nurnberg, AG. Printing press plate clamping mechanism. 3,230,883, 1–25–66, Cl. 101—415.1.

Achler, Howard S., H. Kaufmann, and H. H. Lerner, to Kaufmann Tool and Engineering Corp. Press brake die retainer. 3,246,239, 10–4–66, Cl. 72—465.

Achon, Marco A.: *See*—
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Achon, Marco A., to Avisum Corp. Copolymerization of alpha-olefins in the presence of an alkyl aluminum dihalide, vanadium oxytrichloride, and a phosphorus compound. 3,278,643, 10–11–66, Cl. 260—88.2.

Achon, Marco A., and J. A. Price, to Avisum Corp. Catalyst system for the copolymerization of olefins. 3,271,376, 9–6–66, Cl. 260—88.2.

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Achramowicz, William J., to United States of America, Air Force. Pulse train generator employing triggered self-recirculating pulse-circuit and counter producing synchronizable but independent output pulse-train of selectable length. 3,287,650, 11–22–66, Cl. 328—63.

Acker, Donald S., to E. I. du Pont de Nemours and Co. Herbicidal composition and method. 3,235,359, 2–15–66, Cl. 71—2.5.

Acker, Donald S., to E. I. du Pont de Nemours and Co. 2-alkoxy and mercapto-4,6-bis alkoxy alkyl amino-s-triazines. 3,267,099, 8–16–66, Cl. 260—249.8.

Acker, George H., to Eaton Mfg. Co. Strainer. 3,278,038, 10–11–66, Cl. 210—396.

Acker, George M. Cable support. 3,288,408, 11–29–66, Cl. 248—61.

Acker, Norbert K., to Automatic Canteen Co. of America. Sequential multiple dial switch mechanism. 3,227,823, 1–4–66, Cl. 200—13.

Acker, Richard E., to Huber-Warco Co. Tandem rollers. 3,271,041, 9–6–66, Cl. 280—43.23.

Ackerman, Albert G. Transom drive for inboard motorboats. 3,256,851, 6–21–66, Cl. 115—35.

Ackerman, Arnold W., to Anderson Oil and Chemical Co. Lubricating compositions. 3,227,652, 1–4–66, Cl. 252—49.5.

Ackerman, Bernard, to Carlisle Chemical Works, Inc. Vinyl halide resins stabilized with mixtures of zinc salts and potassium salts of monocarboxylic acids. 3,262,896, 7–26–66, Cl. 260—23.

Ackerman, Carl L. Cigarette filter protector. 3,294,095, 12–27–66, Cl. 131—10.7.

Ackerman, Daniel W., G. D. Johnson, and P. A. Ragard, to Universal Instruments Corp. Automatic transistor insertion machine. 3,254,821, 6–7–66, Cl. 227—119.

Ackerman, George H., to Missouri Rolling Mill Corp. Light reflectors for elongated post-like members. 3,267,805, 8–23–66, Cl. 88—82.

Ackerman, Howard B. Mercury switch activated by any mechanical means. 3,278,703, 10–11–66, Cl. 200—81.8.

Ackerman, Marvin, and D. R. Domke, Jr., to Admiral Corp. Pulse code detector having a delay line for detecting pulse spacing. 3,293,606, 12–20–66, Cl. 340—167.
Ackerman, Melvin N.: *See*—
Wesolowski, Frank J., and Ackerman. 3,246,267.
Ackerman, Nathan. Hydraulic position lock. 3,236,515, 2–22–66, Cl. 267—71.
Ackerman, Stanley C., to General Electric Co. Filament connection for electric lamp or similar device. 3,243,633, 3–29–66, Cl. 313—271.
Ackerman, Stanley C., to General Electric Co. Base end structure for electric lamps or similar devices. 3,256,507, 6–14–66, Cl. 339—144.
Ackerman, Wilbert E., and A. J. Vandenbosch, to Blaw-Knox Co. Means for laying paving material. 3,236,163, 2–22–66, Cl. 94—46.
Ackermann, Friedrich W., to Magnetic Metals Co. Method and apparatus for melting of metals to obtain utmost purity. 3,264,095, 8–2–66, Cl. 75—12.
Ackermann, Guenter R., to The Atlantic Refining Co. Wax-extended epoxide-ethylene vinyl acetate composition. 3,227,668, 1–4–66, Cl. 260—28.
Ackermann, Guenter R., to The Atlantic Refining Co. Thermosetting compatible petroleum wax-unsaturated polyester resin composition. 3,249,615, 5–3–66, Cl. 260—28.5.
Ackermann, Hans-Peter, to Hauni-Werke Korber & Co. Method of making cigar fillers. 3,269,393, 8–30–66, Cl. 131—20.
Ackermann, Hermann F., Jr. Right angle drafting triangle. 3,264,738, 8–9–66, Cl. 33—108.
Ackermann, Karl, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Process for forming electrodes for alkaline storage batteries. 3,228,795, 1–11–66, Cl. 136—29.
Ackermann, Karl, and L. Schlecht, to Societe des Accumulateurs Fixes et de Traction (Societe Anonyme). Electrodes for alkaline storage batteries. 3,269,864, 8–30–66, Cl. 136—78.
Ackermann, Karl, deceased (K. Siebert, legal representative) and C. V. Herold, to Societe des Accumulateurs Fixes et de Traction (Societe Anonyme). Method of making nickel electrodes for electrolytic cells. 3,281,272. 10–25–66, Cl. 136—29.
Ackermann, Otto, to Westinghouse Electric Corp. Gas propelled fuse link. 3,265,838, 8–9–66, Cl. 200—120.
Ackermann, Paul, and P. Cullmann, to Rheinpreussen Aktiengesellschaft fuer Bergbau und Chemie. Process and apparatus for spray evaporation. 3,280,009, 10–18–66, Cl. 203—40.
Ackles, Virgil E. Conveyor driving unit. 3,270,863, 9–6–66, Cl. 198—203.
Ackley, Avery W., to United States of America, Navy. Stabilized polyurethane propellants containing aluminum. 3,266,959, 8–16–66, Cl. 149—19.
Ackley, Charles E., to R. W. Hartnett Co. Article marking machine. 3,272,118, 9–13–66, Cl. 101—37.
Ackley, James W., to Varian Associates. Direct current converter with voltage multiplication. 3,243,683, 3–29–66, Cl. 321—2.
Ackley, James W., to Varian Associates. Vacuum pump method and apparatus. 3,249,291, 5–3–66, Cl. 230—69.
Ackley, John W., to Deere & Co. Sprayer nozzle. 3,270,966, 9–6–66, Cl. 239—550.
Ackley, John W., and C. K. Stralow, to Deere & Co. Spray boom structure. 3,231,198, 1–25–66, Cl. 239—168.
Ackley, John W., W. P. Oehler, and C. K. Stralow, to Deere & Co. Sprayer. 3,236,456, 2–22–66, Cl. 239—168.
Ackman, John N. Automatic automobile locking device. 3,228,490, 1–11–66, Cl. 180—82.
Ackroyd, Ronald T., to United Kingdom Atomic Energy Authority. Nuclear reactor. 3,285,822, 11–15–66, Cl. 176—42.
Ackroyd, Ronald T., A. Barker, J. Erskine, and M. A. Perks, to United Kingdom Atomic Energy Authority. Nuclear reactors. 3,287,225, 11–22–66, Cl. 176—33.
Ackroyd, Ronald T., M. A. Perks, J. E. Mann, and A. Barker, to United Kingdom Atomic Energy Authority. Nuclear reactors. 3,287,227, 11–22–66, Cl. 176—40.
Acloque, Paul H., to Compagnie de Saint-Gobain. Differential thermal treatment of glass objects. 3,251,670, 5–17–66, Cl. 65—115.
Acloque, Paul H., to Compagnie de Saint-Gobain. Sheet of structural tempered glass. 3,251,726, 5–17–66, Cl. 161—1.
Acloque, Paul H., and C. Guillemet, to Compagnie de Saint-Gobain. Method and apparatus for determining surface birefringencies in a transparent material employing a prism place adjacent to the surface. 3,286,581, 11–22–66, Cl. 88—14.
Acme Air Appliance Co., Inc.: *See*—
Muller, John E. 3,280,432.
Muller, John E. 3,283,959.
Acme Appliance Mfg. Co.: *See*—
Brydolf, Robert, and Kellems. 3,261,129.
Acme-Danneman Co., Inc.: *See*—
Danneman, Frederick C. 3,281,189.
Acme Electric Corp.: *See*—
Klein, Richard J. 3,263,157.
Acme-Engineering and Mfg. Corp.: *See*—
Bohanon, Hoy R. 3,285,156.
Acme Fishing Tool Co.: *See*—
McKain, Walter P. 3,283,837.
Acme Flooring Ltd.: *See*—
Miller, Henry. 3,285,146.
Acme-Hamilton Mfg. Corp.: *See*—
Antrobus, Robert E. 3,280,430.
Acme Highway Products Corp.: *See*—
Crone, Alfred F. 3,242,830.
Crone, Alfred F. 3,242,831.
Crone, Alfred F. 3,260,175.
Crone, Alfred F. 3,276,336.
Crone, Alfred F. 3,288,039.
Acme Holder Co., Inc., The: *See*—
Hackney, Norman A. 3,249,313.
Acme-Industrial Products, Inc.: *See*—
Jordan, Marvin F., and Klimowicz. 3,263,549.
Acme Machine Works, Inc.: *See*—
Harper, Jay A. 3,266,340.
Harper, Jay A. 3,267,753.
Harper, Jay A. 3,278,744.
Harper, Jay A. 3,293,579.
Acme Process Equipment Co.: *See*—
Merlis, Ira. 3,282,972.
Acme Shear Co., The: *See*—
Cummings, Clinton M. 3,266,493.
Acme Tool, Inc.: *See*—
Burner, Donald L. 3,265,431.
Burner, Donald L. 3,273,932.
Acme Visible Records, Inc.: *See*—
Dulski, Walter E. 3,231,096.
Janssen, Alexander P. 3,274,715.
King, Oliver K. 3,244,280.
Acme Welding Supply Co.: *See*—
Kofron, George, and Benfield. 3,286,073.
Aconsky, Leonard, and W. J. Riker, to Dorr-Oliver Inc. Rotary drum filters. 3,262,575, 7–26–66. Cl. 210—395.
Acord, James D.: *See*—
Webb, James E. 3,238,730.
Acorn Engineering Co.: *See*—
Morris, Earl L., and Curtice. 3,273,173.
Acoustica Associates, Inc.: *See*—
Haeff, Andrew V. 3,237,451.
Acree, Elick H.: *See*—
Case, Forrest N., and Acree. 3,282,655.
Acri, Mario, to Fabbriche Riunite Way Assauto. Roller chain for engine valve-gear. 3,242,752, 3–29–66, Cl. 74—245.
Acro Metal Stamping Co.: *See*—
Schwabe, Joseph L., Jr. 3,293,941.
Acrometal Products Inc.: *See*—
Kitselman, Harry L. 3,232,552.
Steinback, Clarence I. 3,269,672.
Acron Aluminum Products Co. Inc.: *See*—
Rich, Samuel. 3,233,753.
Acrow (Engineers) Ltd.: *See*—
Maggs, William F., and Mullett. 3,266,208.
Ringwood, Michael J. C., and Spooner. 3,286,652.
Tooley, Jack R. 3,294,357.
Actis, Paul. Cutting and perforating press. 3,272,051, 9–13–66, Cl. 83—527.
Activatom S.A.: *See*—
Bernstein, Gustave. 3,254,485.
Acton, John R., to Ericsson Telephones Ltd. Electrical connections to thin conductive layers. 3,231,664, 1–25–66, Cl. 174—94.
Acton, John R., to Ericsson Telephones Ltd. Display panels with electroluminescent and nonelectroluminescent phosphor dots. 3,258,628, 6–28–66, Cl. 313—108.
Acton Laboratories Inc.: *See*—
Ferran, Robert J. 3,232,114.
Mongeau, Eugene H. 3,274,350.
Adachi, Ikuo: *See*—
Kano, Hideo, and Adachi. 3,239,533.
Kano, Hideo, and Adachi. 3,290,301.
Kano, Hideo, Adachi, Kido, and Hirose. 3,294,807.
Adachi, Takeshi, and O. Kazuyuki, to Tokyo Shibaura Electric Co., Ltd. System of generating pulsed neutrons of narrow pulse width. 3,268,729, 8–23–66, Cl. 250—84.5.
Adachi, Takuo: *See*—
Yumoto, Hirosuke, Hashimoto, Tanaka, Ito, Kojima, Shibata, Adachi, Morita, and Ebihara. 3,286,009.
Adage, Inc.: *See*—
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Young, Frink M. 3,289,094.
Adair, James C.: *See*—
Goodell, Richard R., and Adair. 3,264,875.
Adair, James E., to H. Fishlove & Co. Ornamented drinking glass. 3,256,627, 6–21–66, Cl. 40—106.51.
Adalet Mfg. Co., The: *See*—
Hermanson, Albert J., and Smelko. 3,246,110.
Adam, Adolf: *See*—
Paul, Walter, and Adam. 3,261,927.
Adam, Adolf, to Siemens & Halske Aktiengesellschaft. Moisture-proof carbon microphone. 3,277,247, 10–4–66, Cl. 179—122.
Adam, Fritz G., and B. D. Mills, to International Standard Electric Corp. Semiconductor devices. 3,244,555, 4–5–66, Cl. 117—212.
Adam, James W., and B. H. Fiedler, to Allis-Chalmers Mfg. Co. Fuel cell. 3,266,939, 8–16–66, Cl. 136—86.
Adam, Karl, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of hydrogenation catalysts containing cobalt. 3,232,888, 2–1–66, Cl. 252—435.
Adam, Václav, and J. Boháč, to Výzkumný a zkusební letecký ustav. Device for finishing of surfaces by radial forming. 3,242,567, 3–29–66, Cl. 29—566.
Adam, W. D., Co., Inc.: *See*—
Edmonds, Calvin R. 3,251,460.

Adamjan, Ruben G.: *See*—
Nabiullin, Fatt K., Adamjan, Buzova, Gantman, Gertsik, Zhuravlev, Martin, Sladkova, Shilonskaja, and Koshkin. 3,279,649.
Adamovské strojirny, národní podnik: *See*—
Jurny, Josef. 3,280,733.
Jurny, Josef, and Stepánek. 3,284,079.
Adams, Albert C., and E. S. Bialog, to Republic Steel Corp. Adhesive tape applying mechanism for bundling machines. 3,242,850, 3–29–66, Cl. 100—15.
Adams, Albert C., and E. S. Bialog, to Republic Steel Corp. Machine for marking tube-like articles. 3,263,600, 8–2–66, Cl. 101—40.
Adams, Albert H., and W. F. Olashaw, to General Electric Co. Bus bar-type electric power distribution system with formed insulating sheet housing. 3,268,848, 8–23–66, Cl. 339—22.
Adams, Albert, S. E. Tschappler, and H. U. Ziemer, to International Minerals & Chemicals Corp. Beneficiation of langbeinite-containing materials. 3,275,141, 9–27–66, Cl. 209—166.
Adams, Bobby F., and J. H. Wotiz, to Diamond Alkali Co. Polyacetylenic carboxylic acids and the ester and amide derivatives thereof. 3,235,577, 2–15–66, Cl. 260—404.
Adams, Boyce M.: *See*—
Trolio, Andrew E., and Adams. 3,256,466.
Adams Bros. Mfg. Co.: *See*—
Groves, John A. 3,260,286.
Adams, Cecelia J.: *See*—
Lester, George R., and Adams. 3,274,273.
Adams, Cecil E., to American Brake Shoe Co. Control valve mechanism with means for reducing hydraulic shock. 3,269,416, 8–30–66, Cl. 137—625.63.
Adams, Cecil E., and L. H. Dillon, to American Brake Shoe Co. Flow control structure for use with pilot operated pressure reducing valve. 3,246,669, 4–19–66, Cl. 137—501.
Adams, Cecil E., L. H. Dillon, G. M. Hipple, G. A. Norris, and W. F. Weese, to American Brake Shoe Co. Electric and fluid pressure operated valve mechanism. 3,250,293, 5–10–66, Cl. 137—528.
Adams, Cecil E., and J. F. Hedge, to American Brake Shoe Co. Rotary vane fluid power unit. 3,257,958, 6–28–66, Cl. 103—136.
Adams, Charles A. Toilet flushing process and apparatus to restore height of water. 3,270,351, 9–6–66, Cl. 4—41.
Adams, Charles A., to Motorola, Inc. Oscillator with resonant circuit connected to transistor housing. 3,271,698, 9–6–66, Cl. 331—117.
Adams, Charles A. Humidifiers. 3,294,080, 12–27–66, Cl. 126—113.
Adams, Charles J., to General Electric Co. Tool for handling small objects. 3,284,123, 11–8–66, Cl. 294—15.
Adams, Charles O., to National Electric Welding Machines Co. Method and apparatus for fabricating a hinged mat. 3,234,973, 2–15–66, Cl. 140—112.
Adams, Charles R., to Shell Oil Co. Dimethyl furan production from mesityl oxide. 3,228,966, 1–11–66, Cl. 260—346.1.
Adams, Clarence W.: *See*—
Lanier, William D., and Adams. 3,256,988.
Adams, Clark E., G. P. Hamner, and C. N. Kimberlin, Jr., to Esso Research and Engineering Co. Demetallization of high boiling petroleum fractions. 3,245,902, 4–12–66, Cl. 208—252.
Adams, Clifford B., to National Rejectors, Inc. Money-actuated devices. 3,242,920, 3–29–66, Cl. 133—2.
Adams, Clyde M., Jr., to American Machine & Foundry Co. Method of flame-hardening welded structures. 3,275,481, 9–27–66, Cl. 148—127.
Adams, Crestus L., to United States of America, Navy. Liquid monopropellant gas generator. 3,289,404, 12–6–66, Cl. 60—39.48.
Adams, Cyril, & Co. Ltd.: *See*—
Plummer, Henry J. 3,228,064.
Adams, Dale G., to United States of America, Army. Three-way fuze. 3,272,125, 9–13–66, Cl. 102—70.
Adams, Daniel M., and L. P. Garvey, to General Motors Corp. Seat positioning apparatus. 3,256,033, 6–14–66, Cl. 296—68.
Adams, Derek S., to Joseph Lucas (Industries) Ltd. Voltage regulators. 3,275,924, 9–27–66, Cl. 322—28.
Adams, Dolor N.: *See*—
Fauser, Donald L., Sturik, and Adams. 3,244,569.
Adams, Dolor N., and E. Czapor, to Harris-Intertype Corp. Process for preparing printing plates from photosensitised polyvinyl alcohol compositions. 3,230,088, 1–18–66, Cl. 96—35.
Adams, Dolor N., and E. F. Deal, to Harris-Intertype Corp. Lithographic plate and method of preparing same. 3,258,339, 6–28–66, Cl. 96—86.
Adams, Don L., to United Aircraft Corp. Root locus plotter. 3,280,317, 10–18–66, Cl. 235—179.
Adams, Donald R., and T. H. Schorr. Polypropylene diaphragm assemblies. 3,246,112, 4–12–66, Cl. 200—168.
Adams, Donald R. Slide adapters for resilient tubes. 3,248,012, 4–26–66, Cl. 222—95.
Adams, Donald R. Epidermal pad applicator. 3,255,481, 6–14–66, Cl. 15—568.
Adams, Donald W., and H. G. Rossini, to General Electric Co. Reciprocating contact device with smoothly contoured bridge contactors. 3,230,322, 1–18–66, Cl. 200—16.
Adams, Dustin S., to E. I. du Pont de Nemours and Co. Process of multiple neck drawing while simultaneously infusing modifying agent. 3,233,019, 2–1–66, Cl. 264—78.
Adams, Dustin S., to E. I. du Pont de Nemours and Co. Process of molding polyester textile fabrics. 3,239,586, 3–8–66, Cl. 264—123.
Adams, E. A., & Son, Inc.: *See*—
Kettell, Phillip E. 3,242,690.
Sandeman, Stewart J. 3,240,310.
Adams, Edmond, and W. M. Hubbard. Method of making transducer head cores. 3,268,987, 8–30–66, Cl. 29—155.5.
Adams, Edward A., W. F. Brown, J. J. Jarosi, and G. C. Mook, to Libbey-Owens-Ford Glass Co. Blending of granular materials. 3,294,292, 12–27–66, Cl. 222—429.
Adams, Edwin M., to General Motors Corp. Molding clip. 3,242,543, 3–29–66, Cl. 24—73.
Adams, Ernest C., Jr., and N. R. Novak, to Miles Laboratories, Inc. Stabilized occult blood diagnostic. 3,252,762, 5–24–66, Cl. 23—253.
Adams, Ernest C., Jr., and C. T. Haitsma, to Miles Laboratories, Inc. Occult blood diagnostic composition with color enhancing agent. 3,290,117, 12–6–66, Cl. 23—253.
Adams, F. Le Roy, and J. D. Balducci, to North American Aviation, Inc. Flight control system. 3,236,478, 2–22–66, Cl. 244—76.
Adams, Floyd S., to Smada Corp. Rotary brush. 3,237,233, 3–1–66, Cl. 15—182.
Adams, Frank C. Engine overload indicator. 3,281,783, 10–25–66, Cl. 340—53.
Adams, Frank E. Double-hung balanced take-out window. 3,290,825, 12–13–66, Cl. 49—431.
Adams, Frank H., L. C. Hardison, and P. J. Kuchar, to Universal Oil Products Co. Means and method for automatic addition of finely divided particles to a fluidizing contacting system. 3,294,675, 12–27–66. Cl. 208—152.
Adams, George. Gripping attachment for boots. 3,229,389, 1–18–66, Cl. 36—7.6.
Adams, George E., G. H. Whale, and J. H. A. Hanson, to Dunlop Rubber Co. Ltd. Method for the manufacture of wheels. 3,264,719, 8–9–66, Cl. 29—159.01.
Adams, George E., G. H. Whale, and J. H. A. Hanson, to Dunlop Rubber Co. Ltd. Wheel manufacture. 3,270,402, 9–6–66, Cl. 29—159.01.
Adams, George F. and G. G. Cabinet door construction. 3,235,320, 2–15–66, Cl. 312—329.
Adams, George L., and C. T. Govin. Dual augering machine. 3,278,236, 10–11–66. Cl. 299—55.
Adams, George L., and C. T. Govin, to The Salem Tool Co. Dual augering machine. 3,281,187, 10–25–66, Cl. 299—55.
Adams, George L., and C. T. Govin, to The Salem Tool Co. Skids used on deep mine auger machines. 3,291,534, 12–13–66, Cl. 299—55.
Adams, George P., to Western Electric Co., Inc. Apparatus for dispensing washers. 3,273,230, 9–20–66, Cl. 29—211.
Adams, George P., and H. E. Brent, to Western Electric Co., Inc. Methods and apparatus for assembling and securing conductors to terminals of electrical devices. 3,230,608, 1–25–66, Cl. 29—155.5.
Adams, Geraldine G.: *See*—
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Adams, Guy E., to Honeywell Inc. Control apparatus for space craft. 3,232,561, 2–1–66, Cl. 244—1.
Adams, Hallie D. Hitch. 3,239,242, 3–8–66, Cl. 280—489.
Adams, Harold E., to The Nash Engineering Co. Pump device. 3,289,918, 12–6–66, Cl. 230—79.
Adams, Harold W.: *See*—
Hickey, Frank D., Adams, Hirahara, Anderson, and Chamberlin. 3,246,677.
Adams, Harold W., to FMC Corp. Heat transfer method. 3,286,477, 11–22–66, Cl. 62—63.
Adams, Harold W., to United States of America, Air Force. Oxidation inhibitor for lubricating composition. 3,287,269, 11–22–66, Cl. 252—49.6.
Adams, Harry A.: *See*—
Sprague, James W., and Adams. 3,279,885.
Adams, Herbert A. G., to Kayser Bondor Ltd. Method for forming scalloped edge trimming of thermoplastic fabric. 3,238,282, 3–1–66, Cl. 264—159.
Adams, J. D., Co.: *See*—
Adams, James D. 3,234,841.
Adams, Jack J., and G. L. Gunderman, to The Dow Chemical Co. Inflexible sheet having cellulosic facings and an adherent overlay of a flexible web embedded within a fused organic, thermoplastic polymeric material. 3,278,365, 10–11–66, Cl. 161—151.
Adams, James D., to J. D. Adams Co. Gusset plate. 3,234,841, 2–15–66, Cl. 85—13.
Adams, James E., to The Bishop and Babcock Corp. Method of assembling vehicle body mount parts. 3,266,139, 8–16–66. Cl. 29—509.
Adams, James W., and H. W. Hoftiezer, to American Can Co. Method for preparing modified cellulose filter material. 3,256,372, 6–14–66, Cl. 264—28.
Adams, Joe T.: *See*—
Kiff, Ben W., and Adams. 3,250,788.
Peloquin, Leo, Sookne, and Adams. 3,293,071.
Adams, John: *See*—
Manley, Brian W., Adams, Washington, and Brannen. 3,260,876.
Adams, John F. E., to The Metal Box Co. Ltd. Extrusion of thermoplastic tubes. 3,256,377, 6–14–66, Cl. 264—209.

Adams, John W.: *See*—
Paulson, Loree A. D., and Adams. 3,282,356.
Adams, John W., and S. J. Nardone, to Ingersoll-Rand Co. Furnace botting and tapping apparatus. 3,262,692, 7–26–66, Cl. 266—42.
Adams, Joseph H. Educational map game. 3,242,591, 3–29–66, Cl. 35—9.
Adams, Leland J., R. E. Broggie, and R. H. Gurr, to Wed Enterprises, Inc. Article handling means. 3,249,065, 5–3–66, Cl. 104—149.
Adams, Leon, to Sargent & Greenleaf, Inc. Cylinder key lock. 3,267,707, 8–23–66, Cl. 70—419.
Adams, Leon M., to Standard Oil Co. Stabilization of isocyanates. 3,247,236, 4–19–66, Cl. 260—453.
Adams, Lester E., to General Motors Corp. Quick disconnect coupling. 3,240,504, 3–15–66, Cl. 279—9.
Adams, Loyd: *See*—
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Adams, Lloyd M., to Flight Research, Inc. Epicyclic film transport. 3,235,151, 2–15–66, Cl. 226—71.
Adams, Loyd W., to Phillips Petroleum Co. Filtration. 3,274,103, 9–20–66, Cl. 210—23.
Adams, Mark F., and E. M. Huffaker, to Harbison-Walker Refractories Co. Refractory support. 3,289,372, 12–6–66, Cl. 52—345.
Adams-Millis Corp.: *See*—
Rearwin, Earle W. 3,258,816.
Adams, Mozel A., and D. J. Carboni. Fluid lift apparatus. 3,234,890. 2–15–66, Cl. 103—260.
Adams, Nicholas M., to Nalco Chemical Co. Method of agglomerating and stabilizing particulate matter by chemical treatment. 3,286,475, 11–22–66, Cl. 61—36.
Adams, Norman C.: *See*—
Wilson, Porter C., and Adams. 3,251,109.
Adams, Otis J., to Bartlett-Snow-Pacific, Inc. Mold transfer system. 3,250,370, 5–10–66, Cl. 198—20.
Adams, Phillip.: *See*—
Beinfest, Sidney, Adams, Juliano, and Marshik. 3,625,-703.
Adams, Phillip, B. R. Juliano, and H. Feilich, to Millmaster Onyx Corp. Process for preparing 1-ethyl-2-methyl pentanoyl urea. 3,282,998, 11–1–66, Cl. 260—553.
Adams, Ralph D.: *See*—
Winslow, James C., and Adams. 3,287,955.
Adams, Renard P. Gas drying apparatus. 3,292,346, 12–20–66, Cl. 55—180.
Adams, Richard C.: *See*—
Isley, Ralph E., and Adams. 3,253,058.
Adams, Richard D.: *See*—
Morrison, Lawrence L., and Adams. 3,246,319.
Adams, Richard G.: *See*—
Clark, Hadden, Adams, Smyers, McCulloch, and Slotterbeck. 3,238,077.
Adams Rite Mfg. Co.: *See*—
Boyden, Robert E. 3,243,023.
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Eads, Charles L., and Earle. 3,245,237.
Adams, Robert B., to Moore Products Co. Level control apparatus. 3,267,949, 8–23–66, Cl. 137—81.5.
Adams, Robert B., and C. B. Moore, to Moore Products Co. Jet propelled boat steering apparatus. 3,247,667, 4–26–66, Cl. 60—35.54.
Adams, Robert B., and C. B. Moore, to Moore Products Co. Flow control apparatus. 3,262,466, 7–26–66, Cl. 137—561.
Adams, Robert B., and C. B. Moore, to Moore Products Co. Flow control apparatus. 3,267,946, 8–23–66, Cl. 137—81.5.
Adams, Robert C., to Chrysler Corp. Method of assembling steering gear. 3,235,953, 2–22–66, Cl. 29—407.
Adams, Robert E., to Gifford-Wood, Inc. High speed mixing head and turbine. 3,251,580, 5–17–66, Cl. 259—95.
Adams, Robert E., to Gifford-Wood, Inc. Conveyor unloading apparatus. 3,291,286, 12–13–66, Cl. 198—185.
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Adams, Robert T., to Sichak Associates. Diversity phase control system using subcarrier identifying signals. 3,267,-380, 8–16–66, Cl. 325—56.
Adams, Robert T., to Communication Systems, Inc. System for generating phase coherent signals at remotely located stations. 3,289,084, 11–29–66, Cl. 325—63.
Adams, Robert T., and G. Raisbeck; said Adams assor. to International Telephone and Telegraph Corp., said Raisbeck assor. to Bell Telephone Laboratories, Inc. Apparatus for reducing spin of a space satellite. 3,270,983, 9–6–66, Cl. 244—1.
Adams, Robert T., and J. B. Harvey, to Sichak Associates. Coherent focusing radar system. 3,290,676, 12–6–66, Cl. 343—7.4.
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Adams, Roman A., and V. E. Bischoff, to A. B. Dick Co. Ink jet nozzle. 3,281,860, 10–25–66, Cl. 346—75.
Adams, Rudolph R., to Graham Engineering Co. Inc. Fluid rotary actuator. 3,267,817, 8–23–66, Cl. 91—186.
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Adams, William L., to General Electronic Laboratories, Inc. Quadrature signal rejection filter. 3,235,810, 2–15–66, Cl. 328—166.
Adams, William N., to Combustion Engineering, Inc. Integrated drainable economizer with boiler bank. 3,269,360, 8–30–66, Cl. 122—7.
Adams, William W. Compressor. 3,243,100, 3–29–66, Cl. 230—58.
Adams, Winifred J., B. Ellis, V. Petrow, and I. A. Stuart-Webb, to The British Drug Houses Ltd. 6α-methyl-3-oxo-Δ^4-steroids of the androstane and pregnane series. 3,270,-037, 8–30–66, Cl. 260—397.3.
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Adamson, George H., and K. J. Kohanzo. Hygrometric method and testing apparatus. 3,243,996, 4–5–66, Cl. 73—73.
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Adamson, Robert A. and C. P. Device for removing insulant from wires. 3,293,956, 12–27–66, Cl. 81—9.5.
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Adany, Leon, to Electro-Organics, Inc. Electrical capacitors having a polymer composition as a dielectric. 3,259,817, 7–5–66, Cl. 317—258.
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Burger, Jack E., and Polly. 3,264,981.
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Deutsch, Fritz A. 3,259,447.
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Gollwitzer, Walter T. 3,253,691.
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Adelt, Carl W. Fireplace damper assembly. 3,269,384, 8–30–66, Cl. 126—288.
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Aden, Douglas W., to Nedaco Inc. Article dispenser for suspended articles. 3,265,176, 8–9–66, Cl. 194—2.
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Adie, George M. Concrete structures. 3,229,437, 1–18–66, Cl. 52—576.
Adikes, William L., and K. V. Spitzer, to North American Philips Co., Inc. Magnetron with helical cathode held by support, the output and mode suppression means being remote from the cathode support. 3,289,023, 11–29–66, Cl. 315—39.53.
Adiletta, Joseph G., to Pall Corp. Beverage filters. 3,250,-398, 5–10–66, Cl. 210—507.
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Adkins, John S. Apparatus and method for aligning and supporting gyroscope bearings. 3,249,986, 5–10–66, Cl. 29—148.4.
Adler, Arthur, to Chas. Pfizer & Co. Process of gaseous reducing lead oxide employing an agent to maintain lead in particulate form. 3,278,297, 10–11–66, Cl. 75—77.
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Adler, Robert, to Zenith Radio Corp. Electron coupling system, coupling through the envelope wall of discharge device by electromagnetic coupling. 3,275,880, 9–27–66, Cl. 315—4.
Adler, Robert, to Zenith Radio Corp. Dual output channel electron beam parametric amplifier with noise elimination. 3,275,943, 9–27–66, Cl. 330—4.7.
Adler, Robert, A. J. De Vries, and C. G. Ellers, to Zenith Radio Corp. Stereo FM transmission system. 3,257,511, 6–21–66, Cl. 179—15.
Adler, Robert, C. B. Crumly, L. C. Foster, and J. P. Lindley, to Zenith Radio Corp. Electron beam parametric amplifier with positive ion elimination. 3,271,731, 9–6–66, Cl. 330—4.7.
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Aiki, Shigeo, and T. Hamada, to Aichi Kogyo Kabushiki-Kaisha. Vehicle brake equipped with a booster apparatus. 3,257,811, 6–28–66, Cl. 60—54.6.

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Aileo, Jackson A., to L. P. Frieder. Safety helmets. 3,241,154, 3–22–66, Cl. 2—3.

Aimes, Francis M. Rocking supports for writing implements. 3,245,384, 4–12–66, Cl. 120—108.

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Ainsworth, Alan, to United Kingdom Atomic Energy Authority. Remote-control manipulators. 3,231,098, 1–25–66, Cl. 214—1.

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Alburn, Harvey E., and N. H. Grant, to American Home Products Corp. Amino-acylamino-acylamino-penicillanic acids. 3,268,519, 8–23–66, Cl. 260—239.1.

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Alexander, Robert T. Rock drilling bit. 3,269,471, 8-30-66, Cl. 175—418.

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Alexander, Ronald R., to Dominion Tar & Chemical Co., Ltd. Multi-headed waferizer. 3,263,719, 8-2-66, Cl. 144—176.

Alexander, Ronald R., to Dominion Tar & Chemical Co., Ltd. Knife mounting. 3,280,865, 10-25-66, Cl. 144—218.

Alexander, Roy P., and T. L. Heying, to Olin Mathieson Chemical Corp. Polyesters of organoboron diols with organoboron dicarboxylic acids or acid halides. 3,258,479, 6-28-66, Cl. 260—485.

Alexander, Thomas E., and W. F. Nelson, to Koehring Co. Automatic fill-up and cementing devices for well pipes. 3,273,650, 9-20-66, Cl. 166—225.

Alexander, Warren A., to Esso Production Research Co. Recording apparatus for seismic data. 3,243,820, 3-29-66, Cl. 346—109.

Alexander, Warren A., to Esso Production Research Co. Apparatus for the integration and storage of electrical signals. 3,268,803, 8-23-66, Cl. 324—29.

Alexander, Warren A., to Esso Production Research Co. System for the audible detection of seismic events. 3,281,774, 10-25-66, Cl. 340—15.5.

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Alexander, Warren A., and R. W. Mitchell, Jr., to Esso Production Research Co. Seismic display system. 3,260,887, 7-12-66, Cl. 315—9.

Alexanderson, Howard A., and T. R. Chamberlain, to The Bendix Corp. Piston pump improvement. 3,263,623, 8-2-66, Cl. 103—162.

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Alexeff, Alexander V., to Industrial Ovens, Inc. Heating means for strip material. 3,290,026, 12-6-66, Cl. 263—3.

Alexeff, Alexander V., and H. R. Richards, to Industrial Ovens, Inc. Compensator and accumulator apparatus. 3,233,808, 2-8-66, Cl. 226—189.

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Alfille, Lucien, J.-P. Bocquet, R. Chaignon, A. Pramaggiore, and G. Valentin, to European Atomic Energy Community-Euratom. Closure method and means for the ends of nuclear fuel rods having a very thin sheath. 3,268,411, 8-23-66, Cl. 176—79.

Alfille, Lucien, J. Briola, J. Dufresne, and E. Ohlmer, to Communaute Europeenne de l'Energie Atomique-Euratom. Fuel element for nuclear reactors with pressure tubes. 3,280,003, 10-18-66, Cl. 176—43.

Alfille, Lucien, and R. Darras, to Commissariat a l'Energie Atomique. Method of manufacturing a composite, heat-insulating material of the type formed by stacking foils of oxidisable metal. 3,284,256, 11-8-66, Cl. 156—1.

Alfille, Lucien, A. Barriere, G. Farges, G. Rodier, and M. Rozenholc, to Commissariat a l'Energie Atomique. Method of preparation of a composite guide tube for nuclear reactor, and devices for the practical application of same. 3,286,343, 11-22-66, Cl. 29—528.

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Alford, Harvey E., and F. Veatch, to The Standard Oil Co. Ceramic molding composition, articles made from same and process for making such articles. 3,256,105, 6-14-66, Cl. 106—40.

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Alheritiere, Louis, P. Biarnais, and G. Sitaud, to Les Usines de Melle (Societe Anonyme). Process for making lower aliphatic anhydrides. 3,258,483, 6-28-66, Cl. 260—546.

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Alix, Hans, and S. Schuhmann, to Roland Offsetmaschinenfabrik Faber & Schleicher AG. Supervisory device for supervising a sheet stack of a sheet printing press. 3,263,387, 8-9-66, Cl. 271—62.

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Allan, Morris, to Aaronson Bros., Ltd. Methods of producing sheets of wood veneer. 3,277,938, 10-11-66, Cl. 144—316.

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Allard, Pierre J.-M. T., to Societe Francaise de Construction de Bennes Automatiques Benoto. Hydro-electric control system. 3,239,087, 3-8-66, Cl. 214—656.

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Alleman, Carl E., to Engelhard Industries, Inc. Agglomerating carbon black by maintaining constant pelletizer motor power requirement. 3,266,875, 8-16-66, Cl. 23—314.

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Allen, Alec G., to Associated Electrical Industries Ltd. Mounting arrangements for electric furnace electrodes. 3,247,305, 4-19-66, Cl. 13—16.

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Allen, George R. Dispenser for selectively releasing vapor or liquid from pressure vessel. 3,258,160, 6–28–66, Cl. 222—4.

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Allen, George R., Jr., and J. F. Poletto, to American Cyanamid Co. Novel substituted indol-5-ols. 3,267,117, 8–16–66, Cl. 260—326.16.

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Allen, Kenneth M., and Harper. 3,273,698.

Allen, Harrison, Jr., C. C. Ciepluch, and E. A. Fletcher, to United States of America, National Aeronautics and Space Administration. Method of igniting solid propellants. 3,258,912. 7–5–66, Cl. 60—35.6.

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Allen, James M., and A. J. Scalzo, to Westinghouse Electric Corp. Elastic fluid apparatus. 3,275,294. 9–27–66, Cl. 253—39.1.

Allen, James O. Method and apparatus for removing foreign matter from a planographic printing press plate cylinder. 3,252,416, 5–24–66, Cl. 101—425.

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Allen, John D., to Fawick Corp. Hydraulic system. 3,278,467, 9–20–66, Cl. 91—420.

Allen, John D., to Fawick Corp. Hydraulic system with regenerative position. 3,273,468. 9–20–66, Cl. 91—420.

Allen, John D., and R. G. Holt, to Fawick Corp. Flow divider and flow-dividing hydraulic system. 3,279,558, 10–18–66, Cl. 180—79.2.

Allen, John P. C., E. R. Ehritz, and R. R. Lobosco, to Union Carbide Corp. Arc starting apparatus and method. 3,284,609, 11–8–66, Cl. 219—135.

Allen, John W., to The Lubrizol Corp. Lubricating composition having desirable frictional characteristics. 3,267,033, 8–16–66, Cl. 252—32.7.

Allen, Jon E., S. B. Jones, and E. D. Smith, to Monogram Industries, Inc. Quick release pin with rigidly attached handle. 3,277,767, 10–11–66, Cl. 85—5.

Allen, Joseph G., and E. W. Malmberg, to Sun Oil Co. Preparation of naphthalene and certain dimethylnaphthalenes. 3,235,615, 2–15–66, Cl. 260—668.

Allen, Kenneth C., B. M. Ellington, Jr., and D. A. Meeker, to The Hobart Mfg. Co. Racks. 3,238,001, 3–1–66, Cl. 312—107.

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Allen, Kenneth M., and C. H. Harper. Eccentric pulley drives. 3,240,322. 3–15–66. Cl. 198—220.

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Allen, Kenneth M., and C. H. Harper. Mechanically operated reciprocating conveyors. 3,258,700, 5–31–66, Cl. 198—220.

Allen, Kenneth M., and C. H. Harper. Pusher conveyors. 3,255,867, 6–14–66, Cl. 198—221.

Allen, Kenneth M., and C. H. Harper, to Allen-Harper, Inc. Spiral down-feed conveyor. 3,258,112, 6–28–66, Cl. 198—220.

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Allen, Kenneth M., and C. H. Harper, to Allen-Harper, Inc. Eccentric pulley drive. 3,273,698, 9–20–66, Cl. 198—220.

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Allen, Lloyd E., to Raico Research, Inc. Apparatus for vaporizing insecticides. 3,279,118, 10–18–66, Cl. 43—129.

Allen, Lloyd R., L. R. Koller, and A. E. van Arkel, to National Research Corp. Method of making super-conductive wires. 3,262,187, 7–26–66, Cl. 29—155.5.

Allen, Lloyd R., and R. A. Stauffer, to National Research Corp. Superconductive coil. 3,293,008, 12–20–66, Cl. 29—183.

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Allen, Lloyd R., J. G. Rupp, and R. A. Stauffer, to National Research Corp. Process of forming a superconductor. 3,293,076, 12–20–66, Cl. 117—213.

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Allen, Mason E. Spring power operated toothbrush. 3,284,829, 11–15–66, Cl. 15—22.

Allen, Max L. Vehicle with adjustable operator's station for moving semi-trailers. 3,254,900, 6–7–66, Cl. 280—29.

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Allen, Paul M., to Armco Steel Corp. Stainless steel and articles. 3,282,686, 11–1–66, Cl. 75—125.

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Allen, Richard E., to Corning Glass Works. Cold diffusion band between acoustic delay line and back electrode or acoustic absorber. 3,247,473, 4–19–66, Cl. 333—30.

Allen, Richard E., to Corning Glass Works. Delay line bond. 3,252,722. 5–24–66, Cl. 287—189.365.

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Allen, Richard J., III, and H. L. L. van Paassen, to Martin-Marietta Corp. Perforated hollow cathode discharge device. 3,262,013, 7–19–66, Cl. 315—326.

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Allen, Robert D. Enforced operation treatment tank. 3,244,285, 4–5–66, Cl. 210—143.

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Allen, Robert L., to Georgia Tech Research Institute. Variable displacement pump. 3,270,674, 9–6–66, Cl. 103—38.

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Alston, Liviu L., and P. J. Rogers, to United Kingdom Atomic Energy Authority. Electric switch with frangible and expendable electrodes. 3,269,987, 8–30–66, Cl. 200—61.08.

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Alvarez, Francisco, to Syntex Corp. Process for the preparation of 19-nor-$\Delta^{4,9,(10)}$-3-keto steroids. 3,277,122, 10–4–66, Cl. 260—397.3.

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Amerio, Pasquale, and R. E. Minnich, to Amerio Refrigerating Equipment Co., Inc. Automatic contact plate freezers. 3,271,973, 9–13–66, Cl. 62—341.
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Ames, Irving, to International Business Machines Corp. Method of fabricating high gain cryotrons. 3,289,375, 3–8–66, Cl. 117—212.
Ames, Irving, to International Business Machines Corp. Edge passivation. 3,288,637, 11–29–66, Cl. 117—212.
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Ames, John B. Method of making a dispensing container. 3,258,375, 6–28–66, Cl. 156—69.
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McCormick, James B. 3,233,965.
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McCormick, James B. 3,235,175.
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Ames, Lisle C., to Superior Electric Co. Plate rolling machine. 3,279,234, 10–18–66, Cl. 72—366.

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Ames, Robert G., to Ames Taping Tool Systems Mfg. Co. Embossing tool for forming groove in outer face and tapered portion on inner face of wallboard. 3,280,663, 10–25–66, Cl. 81—3.
Ames, Robert S., and J. W. Keptner, to Sylvania Electric Products Inc. Attenuator for radiant electromagnetic energy. 3,281,848, 10–25–66, Cl. 343—703.
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Ames, Robert G. 3,280,663.
Ames Textile Corp.: *See*—
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Ames, Wilford C., and R. W. Wallen; said Wallen assignor to said Ames. Cement finishing apparatus. 3,284,973, 11–15–66, Cl. 52—155.
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Amici, Alba M., A. Minghetti, T. Scotti, and C. Spalla, to Societa Farmaceutici Italia. Process for the preparation of ergotamine and ergotaminine in submerged culture and under aerobic conditions. 3,276,972, 10–4–66, Cl. 195—81.
Amici, Alba M., M. L. Bianchi, R. Modelli, C. Spalla, A. Di Marco, and M. Gaetani, to Societa Farmaceutici Italia. Process for producing 16α-hydroxy-steroids using *Nocardia italica*. 3,285,829, 11–15–66, Cl. 195—51.
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Ammon, Johannes H., T. S. Sprague, J. Schlichting, and P. B. Probert, to The Babcock & Wilcox Co. Liquid metal heated vapor generator. 3,245,464, 4–12–66, Cl. 165—145.
Ammon, Johannes H., and T. S. Sprague, to The Babcock & Wilcox Co. Integral boiler nuclear reactor. 3,245,881, 4–12–66, Cl. 176—53.
Ammon, Johannes H., and T. S. Sprague, to The Babcock & Wilcox Co. Vapor generating and superheating unit. 3,254,633, 6–7–66, Cl. 122—32.
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Amodei, Juan J., to Radio Corp. of America. Sequential switching circuit which employs the turn-off delay of a saturated transistor for interim storage. 3,230,393, 1–18–66, Cl. 307—88.5.
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Maxey, Alexander R. 3,294,902.
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Amrehn, Hermann, to Chemische Werke Huls, A.G. X-ray analysis apparatus for determining the presence of substances. 3,256,430. 6–14–66. Cl. 250—43.5.

Amrehn, Hermann, to Chemische Werke Huls A.G. Buoyancy type apparatus for determining hydrogen content in fluids with gamma rays. 3,280,327, 10–18–66. Cl. 250—43.5.

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Amthor, Franklin R., Jr., J. M. Katzfey, and R. E. Kanitz, to Hamilton Mfg. Co. Folding table assembly with stabilizing means. 3,245,363, 4–12–66, Cl. 108—113.

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Ancet, Victor M. J., and Marius Fayolle (also known as Marcel Fayolle). Mechanism for the control of weft threads in shuttleless looms. 3,272,236, 9–13–66, Cl. 139—122.

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Anderson, Alexander S. Device for spiking tobacco. 3,262,-587, 7–26–66, Cl. 214—5.5.

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Anderson, Hilding A., to SCM Corp. Ink ribbon feed and reverse mechanism. 3,232,229, 2–1–66, Cl. 101—336.

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Anderson, James, to Continental Electronics Mfg. Co. Multiple modulating anode beam type electron tube and modulating circuit. 3,295,066, 12–27–66, Cl. 328—232.

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Anderson, James A., to Breneman-Hartshorn, Inc. Adjustable roller terminal. 3,248,899, 5–3–66, Cl. 64—5.

Anderson, James A., and W. V. Carroll, Jr., to Breneman-Hartshorn, Inc. Bracket for valanced shades. 3,246,685, 4–19–66, Cl. 160—133.

Anderson, James B., and K. A. Baker, to H. J. Heinz Co. Material transfer system and method with automatic rate control. 3,252,618, 5–24–66, Cl. 222—1.

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Anderson, James H., to Borg-Warner Corp. Horizontal refrigerant compressor cooler. 3,242,359, 3–22–66, Cl. 310—52.

Anderson, James H. Shaft seal and bearing for rotating machinery. 3,258,199, 6–28–66, Cl. 230—207.

Anderson, James H. Rotary vapor generator. 3,260,050, 7–12–66, Cl. 60—39.18.

Anderson, James H. Method and apparatus for evaporating liquefied gases. 3,266,261, 8–16–66, Cl. 62—52.

Anderson, James H. Internal pipe bender. 3,274,817, 9–27–66, Cl. 72—298.

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Anderson, James H. Reinforced flexible diaphragm. 3,291,005, 12–13–66, Cl. 92—100.

Anderson, James H., and M. J. Spruitenburg, to Borg-Warner Corp. Combination shaft and hub assembly for centrifugal compressor. 3,273,920, 9–20–66, Cl. 287—52.

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Anderson, James J., to Socony Mobil Oil Co., Inc. Flame retardant polyurethane foam and method for forming same. 3,251,785, 5–17–66, Cl. 260—2.5.

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Anderson, John E., to Minneapolis-Honeywell Regulator Co. Navigational instruments. 3,269,179, 8–30–66, Cl. 73—178.

Anderson, John E., and W. J. Runkle, to Union Carbide Corp. Low current arc torch and power supply. 3,238,349, 3–1–66, Cl. 219—75.

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Anderson, John L., to International Business Machines Corp. Memory system. 3,229,255, 1–11–66, Cl. 340—172.5.

Anderson, John L., to Cleanometer Corp. Detecting contamination on surfaces. 3,247,385, 4–19–66, Cl. 250—106.

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Anderson, Lester W., and H. Chanowitz, to C. P. Clare & Co. Sealed magnetic switch and method of manufacture. 3,240,897, 3–15–66, Cl. 200—87.

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Anderson, Lloyd L., to Amerock Corp. Roller assembly for positioning corner shelf hardware. 3,281,197, 10–25–66, Cl. 312—305.

Anderson, Lloyd L., to Amerock Corp. Magnetic catch. 3,287,051, 11–22–66, Cl. 292—251.5.

Anderson, Lloyd L., to Amerock Corp. Closure guiding device. 3,290,824, 12–13–66, Cl. 49—420.

Anderson, Lloyd R. Non-loosening hinge. 3,235,903, 2–22–66, Cl. 16—167.

Anderson, Lloyd R. Non-loosening hinge. 3,241,177, 3–22–66, Cl. 16—55.

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Anderson, Malcolm G., to The Goodyear Tire & Rubber Co. Tire. 3,286,759, 11–22–66, Cl. 152—358.

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Anderson, Nelson E., deceased, by S. B. Anderson, administratrix, to Air Reduction Co., Inc. Electromechanical programming and function generating system. 3,267,251, 8–16–66, Cl. 219—123.

Anderson, Norman G., to Union Carbide Corp. Centrifuge apparatus. 3,237,855, 3–1–66, Cl. 233—28.

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Anderson, Ralph P., to The Cleveland Crane & Engineering Co. Overhead runway crane truck. 3,227,099, 1–4–66, Cl. 105—163.

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Anderson, Richard M., and R. A. Essig, to Westinghouse Electric Corp. Heat pump defrost system. 3,274,793, 9–27–66, Cl. 62—151.

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Anderson, Robert E., to Texas Instruments Inc. Method of producing a field-effect transistor. 3,268,374, 8–23–66, Cl. 148—175.

Anderson, Robert E., to Tel-Design Inc. Apparatus for measuring the distance in an open circuit in a cable pair including means for storing a charge commensurate with such distance. 3,290,586, 12–6–66, Cl. 324—52.

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Anderson, Robert F. Adjustable waistband for garments. 3,292,184, 12–20–66, Cl. 2—221.

Anderson, Robert G., and W. Donald, to Canadian Westinghouse Co., Ltd. Electric control device with an improved mechanism for operating circuit interrupting means. 3,283,089, 11–1–66, Cl. 200—18.

Anderson, Robert H., to Tektronix, Inc. Thin, porous storage phosphor layer. 3,293,473, 12–20–66, Cl. 313—68.

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Anderson, Robert V., and N. A. Penebre, to General Precision, Inc. Steering circuit for complementary type transistor switch. 3,235,750, 2–15–66, Cl. 307—88.5.

Anderson, Robert W., to Norton Co. Protective device for grinding machines. 3,247,623, 4–26–66, Cl. 51—166.

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Anderson, William M. Melting point determining apparatus. 3,289,460, 12–6–66, Cl. 73—17.

Anderson, William R., to Anderson Associates, Inc. Unitary knob and switch. 3,268,680, 8–25–66, Cl. 200—61.88.

Anderson, William S., to Shell Oil Co. Lubricants containing copolymers of 4-methyl-1-pentene. 3,265,622, 8–9–66, Cl. 252—59.

Anderson, William S., to Shell Oil Co. Mineral lubricating oil compositions containing copolymers of ethylene/stilbene. 3,282,845, 11–1–66, Cl. 252—59.

Anderson, William S., to Shell Oil Co. Oil-soluble phosphohalo-containing ethylene/propylene copolymers. 3,290,276, 12–6–66, Cl. 260—88.2.

Anderson, William S., to Shell Oil Co. Block copolymers of alpha C_{4-4}-alkyl styrene and ethylene. 3,290,414, 12–6–66, Cl. 260—878.

Anderson, William S., and S. H. Levin, to Shell Oil Co. Amino-containing block polymers of ethylene and α-alkyl styrene. 3,290,277, 12–6–66, Cl. 260—88.2.

Anderson, William S., and J. Boor, Jr., to Shell Oil Co. Oil-soluble copolymers of diallyl and alpha-olefins. 3,291,782, 12–13–66, Cl. 260—80.5.

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Anderson, Wilmer C., to General Time Corp. Variable magnetic pulse forming and counting device. 3,258,604, 6–28–66, Cl. 307—88.

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Andorf, Erich, to Beteiligungs- und Patentverwaltungsgesellschaft mit beschrankter Haftung. Open pit mining excavator. 3,258,865, 7–5–66, Cl. 37—190.

Andouart, Leon, to Societe des Etablissements Andouart. Extrusion machines for plastic material. 3,274,647, 9–27–66, Cl. 18—12.

Andrae, Karl H., to Jeffrey Galion Mfg. Co. Continuous muller. 3,291,460, 12–13–66, Cl. 259—109.

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Andreasen, Christian B., H. K. Richter, and G. H. Stoner, to Air-Shields, Inc. Respiratory assister. 3,267,935, 8–23–66, Cl. 128—29.

Andreasen, Howard P., and D. H. Munzenmaier, to Delavan Mfg. Co., Inc. Cryogenic liquid level sensing apparatus. 3,266,311, 8–16–66, Cl. 73—290.

Andreasen, Mogens G., E. M. T. Jones, and R. L. Tanner, to Control Data Corp. Horizontally-polarized wire-grid lens radiator. 3,281,849, 10–25–66, Cl. 343—753.

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Cole, Everett N., Jr., Andrews, and O'Brien. 3,239,060.

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Gary, Simon P. 3,245,891.
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Ansingh, Carl H., to P. L. Robertson Mfg. Co. Ltd. Socket head screw. 3,283,638, 11–8–66, Cl. 85—9.

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Anson, Michael D. Mattress. 3,256,535, 6–21–66, Cl. 5—351.

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Anspon, Harry D., to General Aniline & Film Corp. Methyl-o-chloroacrylate-triallyl phosphate copolymers. 3,234,192, 2–8–66, Cl. 260—86.1.

Anspon, Harry D., to General Aniline & Film Corp. Chloroacrylatic polymers containing metal salts of fatty acid. 3,262,895, 7–26–66, Cl. 260—23.

Anspon, Harry D., and R. P. Cahoy, to Gulf Oil Corp. Polyethylene compositions with N,N'-bisolelyloxamide. 3,247,-156, 4–19–66, Cl. 260—32.6.

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Anstey, Nigel A., to Seismograph Service Corp. Method of transmitting and receiving signals in separate frequency parts to reduce undesired components. 3,286,228, 11–15–66, Cl. 340—15.5.

Anstey, Nigel A., and W. E. Lerwill, to Seismograph Service Corp. Method and apparatus for correlating seismic disturbances against previously recorded signals. 3,271,732, 9–6–66, Cl. 340—15.5.

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Anstey, Roger H., and R. M. Macnab, to The British Petroleum Co., Ltd. Molecular sieve separation of hydrocarbon mixtures boiling above C5 hydrocarbons. 3,284,346, 11–8–66, Cl. 208—310.

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Antelo, Rodolfo B. Heel with replaceable lift. 3,262,221, 7–26–66 Cl. 36—34.

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Anthes, Harrison I., to E. I. du Pont de Nemours and Co. Preparation of acrylonitrile polymers using a catalytic system containing a high ratio of activator catalyst. 3,255,-158, 6–7–66, Cl. 260—79.3.

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Anthony, Charles E., and J. W. French, to Westinghouse Electric Corp. Electrical terminal for hermetically sealed applications. 3,251,928, 5–17–66, Cl. 174—152.

Anthony, David C., to Specialties Development Corp. Nut for ball screw and nut assembly. 3,261,224, 7–19–66, Cl. 74—459.

Anthony, Jay D., to Screw & Bolt Corp. of America. Chemical compound applicator for threaded fastener. 3,266,459, 8–16–66, Cl. 118—1.

Anthony, Joseph. Mobile display device. 3,231,995, 2–1–66, Cl. 40—128.

Anthony, Myron L.: *See*—
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Anthony, Myron L., to Scully-Anthony Corp. Automatic tool changing apparatus. 3,233,321, 2–8–66, Cl. 29—568.

Anthony, Myron L. Measuring apparatus. 3,242,472, 3–22–66, Cl. 340—196.

Anthony, Myron L., and R. F. Gill, Jr., to Scully-Anthony Corp. Method of manufacturing hermetically sealed enclosures. 3,226,820, 1–4–66, Cl. 29—470.1.

Anthony, Myron P., and R. Ortega. Retractable swimming pool cleaner. 3,289,216, 12–6–66, Cl. 4—172.

Anthony, Paul. Fully automatic rivet gun. 3,277,689, 10–11–66, Cl. 72—391.

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Broun, Thorowgood T., Jr., Hoekje, Martinsons, and Anthony. 3,287,250.

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Anthony, Russel W., to National Broach Machine Co. Measuring device. 3,269,020, 8–30–66, Cl. 33—172.

Anthony, Russel W., to National Broach & Machine Co. Expanding arbors. 3,272,041, 9–13–66, Cl. 82—44.

Anthony, Russel W., to National Broach & Machine Co. Expanding arbors. 3,280,675, 10–25–66, Cl. 82—44.

Anthony, Russel W., to National Broach & Machine Co. Gear checking apparatus. 3,284,909, 11–15–66, Cl. 33—179.5.

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Antliff, Albert M. Collapsible reel. 3,235,203, 2–15–66, Cl. 242—115.

Antoine, Jacques C. Tool for use in removing postage stamps from water. 3,282,620, 11–1–66, Cl. 294—15.

Antolak, John P., to General Dynamics Corp. Cylinder filling apparatus. 3,282,305, 11–1–66, Cl. 141—5.

Antolini, Henry S. Earth-moving equipment. 3,272,264, 9–13–66, Cl. 172—273.

Anton, John, Sr. Safety lock for ladders. 3,268,196, 8–23–66, Cl. 248—229.

Anton, Paul J., and J. W. Wyche, to U.S. Pumps, Inc. Self-priming pump. 3,228,343, 1–11–66, Cl. 103—113.

Antonen, Robert C., to Dow Corning Corp. Method for preparing block copolymers. 3,294,718, 12–27–66, Cl. 260—18.

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Antonis, Basil, and L. C. Wiltshire, to Thorn Electrical Industries Ltd. Braided thermionic cathode having emissive material. 3,250,943, 5–10–66, Cl. 313—346.

Antonsen, Donald H., to Sun Oil Co. Preparation of synthetic lubricating oil. 3,259,668, 7–5–66, Cl. 260—683.15.

Antonsen, Donald H., and R. H. Johnson, to Sun Oil Co. Preparation of synthetic lubricating oil. 3,253,052, 5–24–66, Cl. 260—683.15.

Antonsen, Donald H., and R. H. Johnson, to Sun Oil Co. Synthetic lubricating oil preparation. 3,259,667, 7–5–66, Cl. 260—683.15.

Antonsen, Knud: *See*—
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Antonsen, Knud, F. R. Bell, A. M. Harris, and R. Rosenberg, to General Dynamics Corp. Rod handling equipment for nuclear reactor. 3,253,995, 5–31–66, Cl. 176—30.

Antonson, David L., to Minnesota Mining and Mfg. Co. Method of making thermoelectric devices. 3,237,281, 3–1–66, Cl. 29—155.5.

Antonson, David L., and G. A. Berger, to Minnesota Mining and Mfg. Co. Transparent and reflecting articles. 3,290,-203, 12–6–66, Cl. 161—4.

Antonucci, Joseph M.: *See*—
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Antonucci, Nicholas, Jr. Mop with wringer. 3,226,752, 1–4–66, Cl. 15—119.

Antos, Joseph. Slide projection system. 3,264,937, 8–9–66, Cl. 88—28.

Antosh, George J., and A. S. Hammons. Step for camper body vehicles. 3,266,594, 8–16–66, Cl. 182—91.

Antrim, Doron S., to Hoke Inc. Valve having downstream fluid pressure seal. 3,228,652, 1–11–66, Cl. 251—175.

Antritter, Werner, to Kienzle G.m.b.H. Biasing spring, particularly for an eddy current coupling. 3,239,700, 3–8–66, Cl. 310—97.

Antrobus, Robert E., to Acme-Hamilton Mfg. Corp. Apparatus for making corrugated plastic tubing. 3,280,430, 10–25–66, Cl. 18—14.

Antul, John J., and M. E. Swanberg, to Conduction Corp. Land mass simulator. 3,294,891, 12–27–66, Cl. 35—10.4.

Anwander, Elmar, to Aktiengesellschaft Brown, Boveri & Cie. Steel-capsulated mercury-vapour discharge vessel. 3,246,-194, 4–12–66, Cl. 313—167.

Anwyl, Robert D., to Eastman Kodak Co. Filter compensation for automatic exposure control systems. 3,276,339, 10–4–66, Cl. 95—10.

Anwyl, Robert D., and D. M. Peterson, to Eastman Kodak Co. Photometric system. 3,270,638, 9–6–66, Cl. 95—10.

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Aoki, Tomoo, ½ to Toyo Cloth Co., Ltd. and ½ to Toyo Rayon Co. Process of coating to make leather substitute and resulting article. 3,262,805, 7–26–66, Cl. 117—11.

Aoki, Tomoo, to Toyo Cloth Co. Ltd., and Toyo Rayon Co. Ltd. Method for the production of artificial leather. 3,275,-468, 9–27–66, Cl. 117—63.

Aoki, Tsutomu: *See*—
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Aoki, Yonesaku, M. Emoto, and T. Tanaka, to Kabushiki Kaisha Hitachi Seisakusho. Treatment of phosphors. 3,273,806, 9–20–66, Cl. 241—20.

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Apa, Armand S., and M. F. O'Keefe, to AMP Inc. Insulation stripper of simplified construction having improved supply features. 3,254,407, 6–7–66, Cl. 30—91.

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Apel, Francis N.: *See*—
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Apel, Francis N., and L. B. Conte, Jr., to Union Carbide Corp. Novel bisphenols and preparation thereof using ion exchange resins. 3,232,994, 2–1–66, Cl. 260—619.

Apel, Francis N., L. B. Conte, Jr., and H. L. Bender, to Union Carbide Corp. Preparation of bisphenols. 3,242,220, 3–22–66, Cl. 260—619.

Apel, John P.: *See*—
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Apel, Rolf, and A. Hauss, to Olin Mathieson Chemical Corp. Triarylphosphinimine sulfamides. 3,254,119, 5–31–66, Cl. 260—556.

Apfelbeck, Otto L.: *See*—
Billings, William W., and Apfelbeck. 3,294,978.

Apgar, John N., Sr. Load apportioning tandem suspension structure for vehicles. 3,294,414, 12–27–66, Cl. 280—104.5.

Apicella, Anthony. Printing and stamping press. 3,289,573, 12–6–66. Cl. 101—27.

Apikos, Dominic A., C. J. Kremer, and W. E. F. Lewis, to The Atlantic Refining Co. Wax coating and laminating compositions. 3,294,722, 12–27–66, Cl. 260—28.5.

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Apostle, Basil G.: *See*—
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Apostle, Basil G., A. H. Wiesner, and F. W. Le Noir, to Allied Chemical Corp. Process and apparatus for segregative drying of nylon-6. 3,266,165, 8–16–66, Cl. 34—28.

Apostel, Otto: *See*—
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Apparaten- en Ketelfabriek Den Haag N.V.: *See*—
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Apparel Bias Binding and Trim Corp.: *See*—
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Appel, Arne, to North American Philips Co., Inc. Button arrangement in magnetic recording and/or play-back apparatus. 3,283,087, 11–1–66, Cl. 200—5.

Appel, Francis E., to Gordon H. Ball Inc. Adjustable header assembly for road-building machinery. 3,234,861, 2–15–66, Cl. 94—46.

Appel, Frank H., V. E. Hauser, Jr., and R. S. Smith, to International Business Machines Corp. Substrate preparation method. 3,284,324, 11–8–66, Cl. 204—38.

Appel, George F. B., to Honolulu Iron Works, Co. Juice extraction by hydraulic displacement. 3,248,262, 4–26–66, Cl. 127—43.

Appel, Kurt: *See*—
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Appel, Mel, and M. Schnur, to N.J. Thermex Co., Inc. Mounting clamp for a tube. 3,235,216, 2–15–66, Cl. 248—201.

Appel, Robert M.: *See*—
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Appeldorn, Roger H., to Minnesota Mining and Mfg. Co. Overhead projector with an unsymmetrical reflective supporting stage. 3,293,982, 12–27–66, Cl. 88—24.

Appeldorn, Roger H., L. R. Schwartz, and L. L. Linse, to Minnesota Mining and Mfg. Co. Copying apparatus. 3,234,868, 2–15–66, Cl. 95—73.

Appell, Herbert R., to Koppers Co., Inc. Catalytic reduction of nitro compounds to amines. 3,290,377, 12–6–66, Cl. 260—580.

Appenrodt, Richard. Stair climbing invalid carriages. 3,231,-036, 1–25–66, Cl. 180—6.5.

Appl, Max: *See*—
Nonnenmacher, Helmut, Andrussow, Appl, Feinauer, Haug, Helms, and Wiebusch. 3,232,955.

Apple, Donald C.: *See*—
Bohrer, Alphonse S., and Apple. 3,289,516.

Apple, Garold E. Tree holding device. 3,272,462, 9–13–66, Cl. 248—44.

Apple, John M., and J. A. Coombs, to Bausch & Lomb Corp. Method of feeding to and melting in a glass furnace. 3,244,494, 4–5–66, Cl. 65—136.

Apple, John M., and T. J. Zak, to Bausch & Lomb Inc. Regulated flow glass melting furnace. 3,244,495, 4–5–66, Cl. 65—161.

Apple, John M., and C. F. Mooney, to Bausch & Lomb Inc. Glass furnace fining means. 3,244,496, 4–5–66, Cl. 65—162.

Apple, John M., and T. J. Zak, to Bausch & Lomb Inc. Glass containing pot furnace. 3,248,206, 4–26–66, Cl. 65—347.

Apple, Joseph S., and M. C. Killeen, to The Bunker-Ramo Corp. Clock generator. 3,233,113, 2–1–66, Cl. 307—88.

Apple, Joseph S., and J. C. Smeltzer, to Bunker-Ramo Corp. Buffer register. 3,246,300, 4–12–66, Cl. 340—172.5.

Appleberry, Walter T., to Douglas Aircraft Co., Inc. Quick release pin. 3,238,834, 3–8–66, Cl. 85—5.

Appleberry, Walter T., to Douglas Aircraft Co., Inc. Quick release pins. 3,247,753, 4–26–66, Cl. 85—5.

Appleberry, Walter T., to Douglas Aircraft Co., Inc. General purpose latch. 3,266,830, 8–16–66, Cl. 292—128.

Appleberry, Walter T., to Douglas Aircraft Co., Inc. Tilting latch. 3,268,258, 8–23–66, Cl. 292—128.

Appleby & Ireland Ltd.: *See*—
Sharp, Douglas C. W. T. 3,278,898.

Appleby, Paul E.: *See*—
Woodhall, Edwin S., Appleby, and Folden. 3,265,549.

Appleby, Walter G., W. V. Bush, and G. Holzman, to Shell Oil Co. Conversion process. 3,239,576, 3–8–66, Cl. 260—683.15.

Applegate, Barry G.: *See*—
Mason, James A., and Applegate. 3,258,264.

Applegate, Merlin J.: *See*—
Derler, Charles J., and Applegate. 3,270,690.

Applegate, Robert B. Dynamoelectric machine. 3,283,190, 11–1–66, Cl. 310—162.

Applegath, Douglas D., and R. E. Erickson, to The Dow Chemical Co. Ski slopes having a surface coating comprising a particulate resinous composition. 3,291,486, 12–13–66, Cl. 272—56.5.

Appleman, William S.: *See*—
Randall, Francis R., and Appleman. 3,257,011.
Ridgeway, Edward L., and Appleman. 3,278,059.

Appleman, William S., to The Cobey Corp. Tail gate loading apparatus. 3,258,140, 6–28–66, Cl. 214—77.

Appleton, Arthur I. Connector fitting for externally insulated conduits. 3,245,700, 4–12–66, Cl. 285—149.

Appleton, Arthur I. Duplex receptacle cover plate with plug retaining means. 3,261,758, 10–25–66, Cl. 339—91.

Appleton, Arthur I. Lamp fixtures. 3,290,496, 12–6–66, Cl. 240—41.55.

Appleton, Edward J.: *See*—
Boam, Harry, and Appleton. 3,281,267.

Appleton Electric Co.: *See*—
Pastorel, Robert J. 3,248,508.

Appleton, Francis H., to Texas Instruments Inc. Thermally responsive control means. 3,259,763, 7–5–66, Cl. 307—117.

Appleton, Janet: *See*—
Tu, Shu-Tung, and Appleton. 3,285,775.

Appleton, Joseph S., and L. Pollock, to North American Aviation, Inc. Multiple purpose fabrication apparatus and method. 3,259,021, 7–5–66, Cl. 90—13.

Appleton, Norman J., to General Precision, Inc. Hydrodynamic gas-supported two-degree of freedom gyro. 3,263,-507, 8–2–66, Cl. 74—5.7.

Appleton, Raymond H.: *See*—
Fleury, Paul E., and Appleton. 3,267,830.

Applewhite, Thomas H., and J. S. Nelson, to United States of America, Agriculture. Symmetrical anhydrides of hydroxy higher fatty acids. 3,247,231, 4–19–66. Cl. 260—413.

Applewhite, Thomas H., and J. S. Nelson, to United States of America, Agriculture. Preparation of amides. 3,264,-281, 8–2–66, Cl. 260—112.5.

Appliance Mfg. Co., Inc.: *See*—
Korrell, Philip H., and Ball. 3,248,489.

Application des Gaz: *See*—
Bonvier, Daniel. 3,285,274.

Applications Scientifiques, Techniques, Industrielles et Commerciales A.S.T.I.C. (Societe Anonyme Monegasque): *See*—
Launay, Jean J. 3,283,514.

Applications Techniques Industrielles L.A.T.I. Les: *See*—
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Applied Machine Research Inc.: *See*—
Rieger, Richard F., Schafer, and Wells. 3,259,023.

Applied Physics Corp.: *See*—
Cary, Henry H. Re. 26,053.
Novotny, Henry R. F. 3,290,595.

Applied Power Industries, Inc.: *See*—
Flaugher, Lawrence L. 3,273,384.
Heinrich, Allan E., Hare, and Master. 3,232,056.
London, Alvan G. 3,228,658.
London, Alvan G. 3,255,587.
Stein, Gary. 3,253,683.
Stein, Gary, Hare, and Hohl. 3,293,942.
Williams, Jack R., and Flessate. 3,246,503.

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Supina, Walter R. 3,239,997.
Supina, Walter R. 3,263,401.

Apsco Mfg. Corp.: *See*—
Wichmann, George F., and Gray. 3,254,737.

Apsco Products, Inc.: *See*—
Brand, Robert J. 3,227,140.

Apstein, Maurice: *See*—
Biggar, Allan M., and Apstein. 3,271,641.

Apted, James E., and G. F. N. Oliver, to Oliver Pell Control Ltd. Electric socket connectors. 3,274,533, 9–20–66, Cl. 339—192.

Aqua-Air, Inc.: *See*—
Ashley, Jordan H. 3,269,157.

Aqua-Chem, Inc.: *See*—
Goeldner, Richard W. 3,248,304.
Goeldner, Richard W. 3,259,552.
Loebel, Frederick A. 3,245,460.
Loebel, Frederick A. 3,245,883.
Loebel, Frederick A. 3,278,367.
Loebel, Frederick A., and Steinbruchel. 3,252,501.

Aqua-Dart, Inc.: *See*—
Rozanski, Frank G. 3,270,707.

Aquadro, John W., and G. A. Godwin, to Howe Richardson Scale Co. Automatic batch weigher using digital countdown control system. 3,254,728, 6–7–66, Cl. 177—15.

Aqua-Marine Mfg. Ltd.: *See*—
Paul, Thomas L. 3,253,136.

AquaMatic Inc.: *See*—
Whitlock, Robert A., and Johnson. 3,237,640.

Aqua Meter Instrument Corp.: *See*—
Bosland, James M., and Giltzow. 3,261,103.

Aqua-Mist, Inc.: *See*—
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Aquariums Inc.: *See*—
Willinger, Allan H. 3,236,206.

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Mattingly, John W. 3,227,158.

Aquatic Controls Corp.: *See*—
Grinwald, Mathias E. 3,286,447.

Aquillon, Charles A., to Ark-Les Switch Corp. Slide switch contact structure. 3,281,546, 10–25–66, Cl. 200—16.

Aquino, Herman A., B. E. Dupré, R. W. Fread, and R. W. Miller, Sr., to Pullman Inc. Cushioned rack assembly. 3,250,232, 5–10–66, Cl. 105—368.

Arabian American Oil Co.: *See*—
Walters, Charles J., Messinger, and Schnautz. 3,250,697.

Arage, Maurice J. Beauty shop coiffure profile and illuminated display enclosure. 3,243,815, 5–3–66, Cl. 40—33.

Arai, Osamu, to Hitachi, Ltd. Devices for binding conductors. 3,238,580, 3–8–66, Cl. 24—16.

Arai, Shinji: *See*—
Maeda, Sachio, Saito, and Arai. 3,284,327.

Arai, Sumio, M. Funatsu, and H. Kita, to Kao Soap Co., Ltd. Process for recovering phenol from phenol-containing water. 3,285,973, 11–15–66, Cl. 260—621.

Arai, Tadashi. Ascomycin and process for its production. 3,244,592, 4–5–66, Cl. 167—65.

Arai, Takeji: *See*—
Ariga, Masahiko, Arai, and Tarumi. 3,265,323.

Arakawa, Morimasa, Y. Nakamura, Y. Uemura, and T. Omori, to Arakawa Rinsan Kagaku Kogyo Kabushiki Kaisha. Process for the synthesis of terpene alcohol. 3,281,479, 10–25–66, Cl. 260—631.5.

Arakawa, Morimasa, H. Yoshioka, and Y. Hiro, to Arakawa Rinsan Kagaku Kogyo Kabushiki Kaisha. Plastic asbestos tile. 3,288,737, 11–29–66, Cl. 260—27.

Arakawa Rinsan Kagaku Kogyo Kakushiki Kaisha: *See*—
Arakawa, Morimasa, Nakamura, Uemura, and Omori. 3,281,479.
Arakawa, Morimasa, Yoshioka, and Hiro. 3,288,737.

Arakawa, Soji: *See*—
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Araki, Chisato, H. Handa, and T. Ohta, to Yoshitomi Pharmaceutical Industries, Ltd. Adhesive compositions of butadiene polymers used in medical applications. 3,264,249, 8–2–66, Cl. 260—32.4.

Araki, Eiichi: *See*—
Maruyama, Tetsuo; Yasumatu, Araki, Toukai, and Kurizono. 3,257,408.

Araldi, Mario: *See*—
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Arant, Norbert R., and M. A. Orehoski, to United States Steel Corp. Casting steel ingots. 3,280,056, 1–18–66, Cl. 29—187.

Arant, Perry, to Clayton Mfg. Co. Interlocked water and fuel system for steam cleaners and the like. 3,261,330, 7–19–66, Cl. 122—448.

Aranyi, Gyula. Ocean-powered compressor. 3,268,154, 8–23–66, Cl. 230—67.

Aratani, Shogo: *See*—
Yasuoka, Shine, Aratani, Arimura, and Yano. 3,293,359.

Araujo, Nat E. Screw-threaded freeze plug pull-out tool with work engaging means. 3,270,407, 9–6–66, Cl. 29—259.

Arbau Baw- und Industriebedarf O.H.G.: *See*—
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Arbee Corp., The: *See*—
Creswell, Clifford A. 3,269,523.

Arbel Etablissements: *See*—
Arbel, Pierre. 3,266,679.

Arbel, Pierre, ½ to Arbel Etablissements. Hopper wagons. 3,266,679, 8–16–66, Cl. 222—503.

Arbitman, Dorothy, J. Falerni, and K. Schischkow, said Schischkow assor., to said Arbitman and said Falerni. Squeeze bottle dispenser. 3,229,866, 1–18–66, Cl. 222—453.

Arbogast, Alfred C. Means for forming tube fittings. 3,280,-754, 1–25–66, Cl. 72—316.

Arbogast, Robert G., to American Air Filter Co., Inc. Panel latching arrangement. 3,244,442, 4–5–66, Cl. 292—212.

Arbonies, Martin S. Frictionless device for making electrical contact between moving members. 3,278,715, 10–11–66, Cl. 200—166.

Arburg Feingeratefabrik oHG., Hehl & Sohne: *See*—
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Arcamone, Federico, and A. Ferretti, to Societa Farmaceutici Italia. α-Hydroxy derivatives of dihydro-D-lysergic and 1-methyl-dihydro-D-lysergic ethylamides. 3,272,823, 9–13–66, Cl. 260—285.5.
Arcan Eastern Ltd.: *See*—
Shewell, Earl W. 3,269,338.
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Wall, Russell, Wolin, and Arcand. 3,284,792.
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Archbold, Edward R., and W. H. Carter, to Industrial Tires Ltd. Polyurethane stripper. 3,234,835, 2–15–66, Cl. 83—139.
Archbold, Ralph L., to White Consolidated Industries, Inc. Reinforced plastic tank and bracket mounting assembly. 3,251,500, 5–17–66, Cl. 220—1.
Archer, Alton M., and R. G. Wyatt, to Lockheed Aircraft Corp. Method and apparatus for evaluating antennae. 3,274,597, 9–20–66, Cl. 343—100.
Archer, Andrew M., to Specialties Development Corp. System for detecting intruders. 3,278,923, 10–11–66, Cl. 340—258.
Archer, Andrew M., to Specialties Development Corp. Detection of intruders. 3,278,924, 10–11–66, Cl. 340—258.
Archer, Andrew M., to Specialties Development Corp. Intruder detection. 3,281,817, 10–25–66, Cl. 340—258.
Archer, Anthony H., to Louis Newmark Ltd., and T.M.M. (Research) Ltd. Apparatus for the detection of broken yarn and the like on textile machines. 3,272,048, 9–13–66, Cl. 83—370.
Archer, Bradford L.: *See*—
Warner, Paul F., Archer, and Franz. 3,257,269.
Archer, Charles R.: *See*—
Archer, Farley J. and C. R. 3,291,440.
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Budde, Walter M. 3,274,220.
Burrows, Raymond C. 3,288,040.
Cagneron, Lucien J., and Skaradzinski. 3,271,410.
Dunning, Edward B., and Kottke. 3,266,108.
Engel, James J., Guyer, and Schafer. 3,255,500.
Gilboe, Daniel P., and Adolphson. 3,274,042.
Graver, Richard B. 3,236,795.
Hansen, Louis I. 3,259,482.
Hansen, Louis I. 3,264,088.
Hansen, Louis I. 3,264,089.
Miraldi, Nick L. 3,273,211.
Nordstrom, John D. 3,291,860.
Sahlin, LeRoy B. 3,285,223.
Sawyer, Edward J., Jr. 3,264,354.
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Weber, Ralph O., and Horan. 3,271,267.
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Archer, Farley J. and C. R. Fluid-operated valve. 3,291,440, 12–13–66, Cl. 251—61.
Archer, Giles A., and L. H. Sternbach, to Hoffmann-La Roche Inc. Certain 1-substituted-benzodiazepin-2-one compounds. 3,236,838, 2–22–66, Cl. 260—239.3.
Archer, Harold B., to Rochester Institute of Technology. Half-tone screen for color separation. Re. 26,058, 7–5–66, Cl. 96—118.
Archer, Harry W., and K. J. Stokes, to General Electric Co. Circuit breaker with improved contact arm stop. 3,258,572, 6–28–66, Cl. 200—166.
Archer, Jacques, and P. G. Boiron, to Groupement Atomique Alsacienne Atlantique. Device for the leak-tight transmission of movement through a wall. 3,289,484, 12–6–66, Cl. 74—18.1.
Archer, Sydney, to Sterling Drug Inc. Analgesia producing benzazocines. 3,250,678, 5–10–66, Cl. 167—65.
Archer, Sydney, C. F. Koelsch, R. R. Lorenz, and B. F. Tullar, to Sterling Drug Inc. Process and intermediates for preparing indoles. 3,272,804, 9–13–66, Cl. 260—240.
Archer, William, Jr.: *See*—
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Archibald, Paul B., to United States of America, Atomic Energy Commission. Water sampler. 3,245,268, 4–12–66, Cl. 73—425.6.
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Johnson, Wallace C. 3,271,554.
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Arcs Industries, Inc.: *See*—
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Silverstein, Melvin F., and De Claris. 3,246,297.
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Arden, Thomas R. 3,262,205.
Arden, Thomas R. 3,247,592.
Arden, Thomas R., deceased (R. B. Arden, executrix). Blade handle. 3,247,592, 4–26–66, Cl. 30—338.
Arden, Thomas R., deceased, R. B. Arden, executrix. Scalpel. 3,262,205, 7–26–66, Cl. 30—338.
Arditi, Maurice, to International Telephone and Telegraph Corp. High stability gas cell frequency standard. 3,234,483, 2–8–66, Cl. 331—3.
Arditi, Maurice, to International Telephone and Telegraph Corp. Optically pumped magnetometer using microwave transitions. 3,281,663, 10–25–66, Cl. 324—.5.
Arditto, Michael, D. L. Brown, F. Gollura, W. Drexler, W. Krause, and W. Neithardt, to Keuffel & Esser Co. Drafting machine. 3,279,073, 10–18–66, Cl. 33—79.
Arditti, Georges: *See*—
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Areddy, James G., to Industrial Packaging Specialists. Palletized shipping container. 3,294,306, 12–27–66, Cl. 229—23.
Arena, John P., D. L. Corman, and A. B. Perry, to International Business Machines Corp. Typewriter ribbon combination. 3,286,808, 11–22–66, Cl. 197—172.
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Arends, Charles B., and D. H. Haigh, to The Dow Chemical Co. Method and apparatus for measurement of thermal conductivity. 3,279,239, 10–18–66, Cl. 73—15.
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Mayer, Hans F., Christiansen, and Arens. 3,255,315.
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Ares, Manuel, to General Electric Co. Correlation system. 3,270,188, 8–30–66, Cl. 235—181.
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Broussard, Leo, Mattox, Arey, Knarr, and Laurent. 3,287,255.
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Arey, William F., Jr., and C. N. Kimberlin, Jr., to Esso Research and Engineering Co. Crude oil conversion process with coking in the first stage and the subsequent hydrocracking and reforming of the products. 3,238,117, 3–1–66, Cl. 208—53.
Arey, William F., Jr., and R. B. Mason, to Esso Research and Engineering Co. Conversion of hydrocarbons in the presence of a hydrogenated donor diluent. 3,238,118, 3–1–66, Cl. 208—59.
Arey, William F., Jr., and H. E. Merrill, to Esso Research and Engineering Co. Fluid hydrogenative cracking process with the use of unsulfided metallic nickel on a cracking catalyst support. 3,242,067, 3–22–66, Cl. 208—111.
Arey, William F., Jr., R. B. Mason, and R. C. Paule, to Esso Research and Engineering Co. Process for hydrocracking heavy oils in two stages. 3,254,017, 5–31–66, Cl. 208—59.
Arey, William F., Jr., W. C. Behrmann, and W. J. Mattox, to Esso Research and Engineering Co. Hydrocracking process with the use of a crystalline zeolite containing iron. 3,255,101, 6–7–66, Cl. 208—111.
Arey, William F., Jr., and G. P. Hamner, to Esso Research and Engineering Co. Paraffinic jet fuel by hydrocracking wax. 3,268,436, 8–23–66, Cl. 208—59.
Argabright, Perry A., and E. A. Schmall, to Esso Research and Engineering Co. Cocrystallized copper catalyst for the polymerization of olefins. 3,256,257, 6–14–66, Cl. 260—88.2.
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Argersinger, Sears. Artificial leg with detachable stump supporting sock. 3,262,131, 7–26–66, Cl. 3—17.
Argoudelis, Alexander D., to The Upjohn Co. Process for preparing 4-hydroxypentane-1,2-dione-bis-(2,4-dinitrophenylhydrazone. 3,267,141, 8–16–66, Cl. 260—566.
Argoudelis, Alexander D., to The Upjohn Co. Process for the preparation of methyl α-thiolincosaminide and 4-ethyl-L-hygric acid hydrazide. 3,284,439, 11–8–66, Cl. 260—210.

Argoudelis, Alexander D., and B. Bannister, to The Upjohn Co. Process for preparing scylloinosamine. 3,260,747, 7–12–66, Cl. 260—563.
Argoudelis, Alexander D., and B. Bannister, to The Upjohn Co. Descarbamoylbluensidine and process for the preparation thereof. 3,260,749, 7–12–66, Cl. 260—564.
Argoudelis, Alexander D., and B. Bannister, to The Upjohn Co. Heptaacyldescarbamoylbluensidine and process for making same. 3,281,439, 10–25–66, Cl. 260—404.5.
Argoudelis, Alexander D., and B. Bannister, to The Upjohn Co. Pentaacylbluensurea and process for making same. 3,288,820, 11–29–66, Cl. 260—404.5.
Argue, Donald D., to General Electric Co. Wire coating apparatus. 3,266,461, 8–16–66, Cl. 118—234.
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Argue, Gary R., and R. F. Stewart, to Self Organizing System, Inc. Electrical device with closely spaced electrodes and method for making same. 3,295,028, 12–27–66, Cl. 317—230.
Argueso, Luis M., Jr., and C. S. Treacy, to M. Argueso & Co., Inc. Composition for preparing thin-walled cored objects preparatory to performing machining operations thereon. 3,264,128, 8–2–66, Cl. 106—287.
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Gagliardi, Domenick D., and Jutras. 3,256,247.
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Hecker, Arthur C., Kauder, and Perry. 3,255,136.
Hecker, Arthur C., Kauder, and Perry. 3,255,151.
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Argyle, Christopher S., to Whiffen & Sons Ltd. Process for the preparation of carbohydrazide. 3,258,485, 6–28–66, Cl. 260—554.
Argyle, Christopher S., and R. A. Reed, to Whiffen & Sons Ltd. Sulfolanyl phenylhydrazines and their preparation. 3,232,954, 2–1–66, Cl. 260—332.1.
Argyle, Leroy C., to Corning Glass Works. Apparatus for measuring misalignment between a plurality of moving parts. 3,286,173, 11–15–66, Cl. 324—68.
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Gorton, Howard B., and Arias. 3,262,149.
Arich, Guido, and G. Constantinides, to Societe Anonyme dite: Compagnie Francaise de Raffinage. Extraction of naphthalenic hydrocarbons. 3,280,024, 10–18–66, Cl. 208—314.
Ariga, Kikuo: *See*—
Tomita, Yoshimori, and Ariga. 3,253,067.
Ariga, Masahiko, T. Arai, and T. Tarumi, to O-M Ltd. Sliver bobbin creel changing apparatus for spinning machine. 3,265,323, 8–9–66, Cl. 242—131.
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Arnold, Vernon E., and S. D. Holmes. Humidity resistance tester. 3,266,306, 8–16–66, Cl. 73—150.

Arnold, Vernon W., and G. H. Weisemann, to Standard Oil Co. Styrene polymerization process. 3,248,377, 4–26–66, Cl. 260—93.5.

Arnold, Walter E., Jr., to Wal-Rich Brass Mfg. Co. Bottom seating drip-proof valves. 3,279,746, 10–18–66, Cl. 251—214.

Arnold, Wayne E., to Westinghouse Electric Corp. Input signal sensing apparatus. 3,278,822, 10–11–66, Cl. 320—1.

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Arnoldi, Walter E., to United Aircraft Corp. Purification system with equalizing valve. 3,242,651, 3–29–66, Cl. 55—179.

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Arnoldy, Roman F., to R.I. Patents, Inc. Weld overlay. 3,264,445, 8–2–66, Cl. 219—76.

Arnot, Alfred E. R. Water dispensers. 3,276,634, 10–4–66, Cl. 222—144.5.

Arnott, Alexander, deceased, by D. Arnott, executrix, to Continental Can Co., Inc. Oscillating breakoff mechanism for separating scored can bodies. 3,257,055, 6–21–66, Cl. 225—1.

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Aronoff, Elihu J., A. Weber, T. A. Augurt, and J. A. Ciuffo, to Interchemical Corp. Thixotropic syrups containing polyamide-modified unsaturated polyesters and styrene. 3,254,040, 5–31–66, Cl. 260—22.

Aronoff, Elihu J., and P. D. Whyzmuzis, to Interchemical Corp. Printing ink based on acrylic or methacrylic acid copolymers and polyoxyethylene. 3,271,347, 9–6–66, Cl. 260—31.4.

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Aronson, David, to Worthington Corp. Absorption refrigeration system control. 3,262,282, 7–26–66, Cl. 62—141.

Aronson, David, to Worthington Corp. Absorption refrigeration control. 3,279,212, 10–18–66, Cl. 62—476.

Aronson, David, to Worthington Corp. Mist eliminator means for an absorption refrigeration system. 3,283,533, 11–8–66, Cl. 62—494.

Aronson, David, and R. E. Japhet, to Worthington Corp. Loading and drive systems for heat pumps. 3,259,317, 7–5–66, Cl. 237—12.1.

Aronson, Philip, to The Woltra Co., Inc. Dental floss dispenser. 3,246,815, 4–19–66, Cl. 225—44.

Aronson, Philip M., and R. H. Waser, to United States of America, Navy. Static and dynamic calibration vessel for pressure gages. 3,273,376, 9–20–66, Cl. 73—4.

Aronson, Theodore F., and F. A. Lyon, said Lyon assor., to Halm Instrument Co., Inc. Envelope making means. 3,244,045, 4–5–66, Cl. 83—236.

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Arrance, Frank C., to Douglas Aircraft Co., Inc. Battery electrode and battery, and process for preparing said electrode. 3,287,166, 11–22–66, Cl. 136—68.

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Ash, Michael E., to Arthur Guinness Son and Co. (Park Royal) Ltd. Continuous fermentation process with sedimentable microorganisms. 3,227,557, 1–4–66, Cl. 99—52.

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Asher, William J., P. P. McCall, W. R. Epperly, and I. Zwiebel, to Esso Research and Engineering Co. Sieve regeneration process. 3,288,719, 11–29–66, Cl. 252—416.

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Atherton, John, to William Asquith Ltd. Slide bearings for machine tools. 3,260,162, 7–12–66, Cl. 90—16.

Atherton, Robert R., to United Aircraft Corp. Rocket nozzle cooling and thrust recovery device. 3,286,469, 11–22–66, Cl. 60—224.

Atherton, Robert R., and B. D. Tague, to United States of America, Navy. Lossless load-proportioning circuit including a plurality of channels. 3,230,467, 1–18–66, Cl. 330—15.

Atherton, Roy L., and A. J. Piel. Means for applying chemicals over lawns or the like. 3,232,006, 2–1–66, Cl. 47—1.5.

Athey, Thomas J. Propulsion means for diver. 3,277,858, 10–11–66, Cl. 115—6.1.

Atkin, Dale E., to Purpose Extruded Aluminum, Inc. Apparatus for forming spiraled extrusions. 3,267,712, 8–23–66, Cl. 72—260.

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Atkinson, Wallace E., to Long Mfg. Co. Inc. Latch and lock structure. 3,266,275, 8–16–66, Cl. 70—70.

Atkinson, Ward J., and J. Snyder, to General Motors Corp. Ball nozzle and valve arrangement. 3,276,347, 10–4–66, Cl. 98—2.

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Atlas, David, to United States of America, Air Force. Storm polarization analysis and radar-controlled aircraft guidance. 3,268,891, 8–23–66, Cl. 343—5.

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Attwood, Brian E., to North American Philips Co., Inc. Time-base circuit employing four-layer semiconductors switching element having end layer divided into two sections. 3,286,105, 11–15–66, Cl. 307—88.5.

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Atwell, Everett C., to Burlington Industries, Inc. Adhesion of vinyl resins to nylon or other synthetic fibrous materials. 3,240,620, 3–15–66, Cl. 117—72.

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Chapman, William I., Whitfield, and Atwood. 3,273,904.
Chapman, William I., Whitfield, and Atwood. 3,273,905.

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Aubert, Henri, to Commissariat a L'Energie Atomique. Uranium alloys containing small amounts of alloying elements. 3,258,333, 6–28–66, Cl. 75—122.7.

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Aubert, Michel, D. Brouard, and P. Rouge, to Commissariat a l'Energie Atomique. Refuelling device for nuclear reactors. 3,279,627, 10–18–66, Cl. 214—18.

Aubery, Albert, and R. M. Dulieu. Machine for processing pineapple. 3,232,328, 2–1–66, Cl. 146—6.

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Audio Devices, Inc.: *See*—
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Audio Dynamics Corp.: *See*—
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Hallamore, Barry K. 3,285,613.

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Auer, Frederick G., and R. E. Houghton, to Champlain Co., Inc. Apparatus for making business machine cards with round corners. 3,261,522, 7–19–66, Cl. 225—1.

Auer, Jay E., to G. D. Searle & Co. Dispensing means for pharmaceutical tablets. 3,270,915, 9–6–66, Cl. 221—2.

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Kendall, Hugh C., and Auer. 3,233,084.

Auer, John H., Jr., to General Signal Corp. Reversible lane signal control system. 3,231,856, 1–25–66, Cl. 340—41.

Auer, John H., Jr., to General Signal Corp. Control system for railway classification yard. 3,253,141, 5–24–66, Cl. 246—182.

Auer, John H., Jr., to General Signal Corp. Vehicle traffic control system. 3,258,744, 6–28–66, Cl. 340—37.

Auer, John H., Jr., to General Signal Corp. Traffic responsive vehicle traffic control system. 3,258,745, 6–28–66, Cl. 340—37.

Auer, John H., Jr., to The General Signal Corp. Composite sensor signal communication system. 3,267,425, 8–16–66, Cl. 340—38.

Auer, John H., Jr., to General Signal Corp. Apparatus for measuring vehicular traffic parameters. 3,290,489, 12–6–66, Cl. 235—150.24.

Auer, John H., Jr., to General Signal Corp. Method and apparatus for obtaining traffic flow velocity data. 3,290,-490, 12–6–66, Cl. 235—150.24.

Auer, John H., Jr., L. A. Ross, and R. A. Hagen, to The General Signal Corp. Object detection system. 3,231,855, 1–25–66, Cl. 340—38.

Auer, John H., Jr., and K. H. Frielinghaus, to General Signal Corp. Vehicle detection and speed measuring apparatus. 3,233,212, 2–1–66, Cl. 340—1.

Auer, John H., Jr., and H. C. Kendall, to General Signal Corp. Control system for vehicle traffic signals. 3,252,133, 5–17–66, Cl. 340—35.

Auer, John H., Jr., and H. C. Kendall, to General Signal Corp. Traffic signal offset and split control system. 3,252,134, 5–17–66, Cl. 340—35.

Auer, John H., Jr., and H. C. Kendall, to General Signal Corp. Automatic car retarder control system. 3,268,725, 8–23–66, Cl. 246—182.

Auer, John H., Jr., and L. A. Ross, to General Signal Corp Traffic signal controller offset computer. 3,278,896, 10–11–66, Cl. 340—35.

Auer, John H., Jr., and L. A. Ross, to General Signal Corp. Inactivity sensing circuit. 3,295,119 12–27–66, Cl. 340—214.

Auer, Leland S., to Grant Oil Tool Co. Fluid sampling apparatus. 3,276,266, 10–4–66, Cl. 73—425.4.

Auer, Otis N. Article transfer. 3,293,668, 12–27–66, Cl. 5—81.

Auer, William F., to Comar Electric Co. Electromagnetic relay. 3,260,817, 7–12–66, Cl. 200—87.

Auer, William F., to Comar Electric Co. Electrical switch contacts with a follower contact surface. 3,260,829, 7–12–66, Cl. 200—166.

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Auerbach, Victor: *See*—
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Auerbach, Victor, and A. K. Ingberman, to Union Carbide Corp. Curable aliphatic polyglycidyl ether polyamine compositions. 3,278,460, 10–11–66, Cl. 260—2.

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Auerbach, William A., P. F. Reibel, and A. R. Ericson, to Automatic Canteen Co. of America. First-in first-out candy machine. 3,227,307, 1–4–66, Cl. 221—84.

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Auge, John F. Corsage-assembly. 3,243,336, 3–29–66, Cl. 161—27.

Auger, Raymond N. Fluid amplifiers. 3,234,955, 2–15–66, Cl. 137—81.5.

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Augsburger, Walter, to Sulzer Bros. Ltd. Steam power plant including a forced flow steam generator and reheater. 3,277,651, 10–11–66, Cl. 60—73.

Augstein, Joachim, and S. M. Green, to Chas. Pfizer & Co., Inc. Benzodioxane derivatives. 3,247,221, 4–19–66, Cl. 260—309.6.

Augstein, Joachim, W. C. Austin, R. J. Boscott, S. M. Green, and W. H. Hunter, to Chas. Pfizer & Co., Inc. Phenoxyalkyl aminoguanidines. 3,271,448, 9–6–66, Cl. 260—564.

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Augustine, Carroll F., and C. P. Tresselt, to The Bendix Corp. Precision movement measuring apparatus using standing waves. 3,263,166, 7–26–66, Cl. 324—58.5.

Augustine, John F. Safety bar. 3,228,038, 1–11–66, Cl. 4—185.

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Auld, Samuel H., and G. R. Shier, to Lear Jet Corp. CEMF responsive series motor control circuit. 3,283,235, 11–1–66, Cl. 318—331.

Auld, Samuel H., Jr., to Siegler Lear Inc. Automatic control for aircraft. 3,275,268, 9–27–66, Cl. 244—77.

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Ault, Cyrus F., and D. Friedman, to Bell Telephone Laboratories, Inc. Information recording circuit. 3,274,610, 9–20–66, Cl. 346—74.

Ault, Cyrus F., D. Friedman, R. H. Granger, and J. J. Madden, to Bell Telephone Laboratories, Inc. Information recording system. 3,281,807, 10–25–66, Cl. 340—174.1.

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Aurich, Peter F., G. G. Benusa, G. H. Shaff, and M. J. Straub, to Possis Machine Corp. Hand taper. 3,245,860, 4–12–66, Cl. 156—486.

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Austin, Curtis L., D. E. Schaetzel, and L. Riconda, to General Mills, Inc. Method and apparatus for drying agglomerates. 3,262,213, 7–26–66, Cl. 34—10.

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Austin, William H. Electrical warning circuit. 3,264,627, 8–2–66, Cl. 340—220.
Auten, Jay C. Apparatus for manipulating shrouds for beds. 3,248,743 5–3–66, Cl. 5—97.
Authier, Raymond R. Novelty halloween pumpkin. 3,250,910, 5–10–66, Cl. 240—10.63.
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Ayers, George W., and W. A. Krewer, to Union Oil Co. of California. Haloalkylation of aromatic compounds. 3,284,518, 11-8-66, Cl. 260—651.

Ayers, George W., and W. A. Krewer, to Union Oil Co. of California. Haloalkylation process. 3,294,850, 12-27-66. Cl. 260—651.

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Azuma, Shinzo, to Taizo Food Co., Ltd. Enzymatic treatment of egg. 3,260,606, 7-12-66, Cl. 99—113.

Azure, Leo L., Jr., to Automata Corp. Test grading machine. 3,284,029, 11-15-66, Cl. 35—48.

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B.S.A. Tools Ltd.: *See*—
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BSR Ltd.: *See*—
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Walker, Ronald. 3,228,697.
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Walker, Ronald. 3,279,714.
Walker, Ronald. 3,286,898.

BTR Industries Ltd.: *See*—
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BTU Engineering Corp.: *See*—
Beck, Jacob H. 3,279,964.

B & W Inc.: *See*—
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Solum, James R. 3,235,295.
Solum, James R. 3,240,274.
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Solum, James R. 3,285,345.
Solum, James R. 3,289,768.

B. X. Plastics Ltd.: *See*—
Aitken, Thomas. 3,283,023.

Baab, Albert, and P. Himmelsbach, to J. Schneider & Co., Optische Werke. Photographic objective with selectable diaphragm stops. 3,232,200, 2-1-66, Cl. 95—64.

Baaba, Albert, and D. F. Eldridge, to Ampex Corp. Magnetic reproduce system and method. 3,229,273, 1-11-66, Cl. 340—174.1.

Baader, Joseph E. Motor driven flasher system. 3,263,212, 7-26-66, Cl. 340—81.

Baak, Albert E. Heating and cooling thermostat. 3,249,721, 5–3–66, Cl. 200—122.

Baalson, George A. Orbital attachments for terrestrial globes. 3,241,252, 3–22–66, Cl. 35—46.

Baarsgard, Eli J. Swingable mailbox structure. 3,272,465, 9–13–66, Cl. 248—145.

Baarson, Robert E.: *See*—
Ray, Charles L., and Baarson. 3,265,211.

Baas, Erwin. Anchor. 3,274,969, 9–27–66, Cl. 114—208.

Baas, Erwin. Vertical capstan. 3,288,438, 11–29–66, Cl. 254—150.

Baas, Gerardus, and P. J. M. Tacken, to North American Philips Co., Inc. Current lead-through member. 3,278,211, 10–11–66, Cl. 287—189.365.

Baasner, Wilhelm: *See*—
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Baatrup, Johannes V., to Danfoss ved ing. M. Clausen. Gas burner provided with a thermocouple element pin contact catch. 3,265,539, 8–9–66, Cl. 136—219.

Baba, Kunio, 50% to Dearman Co., Ltd. Apparatus for automatic locking and releasing cord reels and automatic connecting and disconnecting of the cord on the reel. 3,275,780, 9–27–66, Cl. 200—153.

Babanov, Oleg S.: *See*—
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Babayan, Vigen K., and H. Lehman, to Drew Chemical Corp. Margarine oil and margarine made therefrom. 3,268,340, 8–23–66, Cl. 99—118.

Babb, Alexander H.: *See*—
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Babb, Jerry W., J. T. Bowen, R. P. Shea, and R. M. Walp, to Preco, Inc. Slope and grade control for paving machines. 3,264,958, 8–9–66, Cl. 94—46.

Babb, John J., to Delta Exploration Co., Inc. Loading and anchoring adaptor for positioning geophysical explosive charges. 3,280,742, 10–25–66, Cl. 102—21.8.

Babb, Raymond F. Electrically heated medical implement. 3,234,356, 2–8–66, Cl. 219—233.

Babbage, Thomas A.: *See*—
Luchford, Laurence R., and Babbage. 3,272,185.

Babbitt, John F., and O. A. Wurtenberg, to Continental Air Filters, Inc. Indefinite length filter means with programming means. 3,260,037, 7–12–66, Cl. 55—271.

Babbitt, John F., and O. A. Wurtenberg, to Continental Air Filter, Inc. Bag-type gaseous fluid filter having enlarged filtering surfaces. 3,276,190, 10–4–66, Cl. 55—341.

Babbitt Pipe Co., Inc.: *See*—
Pratt, Robert C. 3,230,980.
Pratt, Robert C. 3,290,728.
Scott, Charles H. 3,257,690.
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Scott, Charles H. 3,258,384.

Babcock, Clarence L., to Owens-Illinois Glass Co. High expansion glass, and seals. 3,240,661, 3–15–66, Cl. 161—196.

Babcock, David L.: *See*—
McKee, Edward S., Jenkins, and Babcock. 3,232,690.

Babcock Electronics Corp.: *See*—
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Juptner, William F., and Kagele. 3,258,556.

Babcock, Henry N.: *See*—
Small, Augustus B., and Babcock. 3,234,035.

Babcock, John C.: *See*—
Campbell, J. Allan, Babcock, and Hogg. 3,239,540.
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Babcock, Kenneth L. Back pack. 3,282,483, 11–1–66, Cl. 224—25.

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Babcock & Wilcox Co., The: *See*—
Ammon, Johannes H. 3,247,897.
Ammon, Johannes H. 3,279,439.
Ammon, Johannes H., and Sprague. 3,245,881.
Ammon, Johannes H., and Sprague. 3,254,633.
Ammon, Johannes H., Sprague, Schlichting, and Probert. 3,245,464.
Anderson, Clarence E. 3,228,224.
Beisel, Wilford B., Jr., Dittert, Dungey, Fragomen, and Hazen. 3,254,704.
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Dumpleton, Owen W., and Lisowski. 3,247,499.
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Kolm, Ernest L., and Darmstadt. 3,284,064.
Koolstra, Lambert F. 3,245,708.
Leirvik, Raymond M. 3,255,090.
Lippert, Walter, and Verheyen. 3,279,441.
Markert, Wallace, Jr., and Thys. 3,245,140.
McIlroy, Robert A., and Markant. 3,284,435.
Mikeska, Alan J. 3,232,643.
Modrak, Thomas M., and Brahler. 3,256,865.
Montgomery, Donald W. 3,230,373.
Pacault, Pierre H., and Surrel. 3,255,735.
Peters, Martin C. 3,287,229.
Pirsh, Edward A., and Sage. 3,234,735.
Poole, Arthur J., Billy, Coughlin, and Patterson. 3,254,910.
Purdy, David C., and Schoessow. 3,245,879.
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Rogers, Charles E., Matty, and Ralston. 3,273,961.
Rothemund, Rudolf E., Reiter, and Wilcoxson. 3,289,643.
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Ryon, John W., and Schluderberg. 3,257,286.
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Schoessow, Earl E., Aldrich, Purdy, and Sawyer. 3,290,222.
Schott, Donald E. 3,267,988.
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Siegfried, Richard F., and Garrison. 3,294,160.
Smith, Allan K. 3,233,074.
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Smith, Allan K. 3,258,577.
Sprague, Theodore S., and Ammon. 3,255,088.
Taylor, Anthony J. 3,254,631.
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Deighton, Thomas. 3,267,906.
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Babel, Louis, and P. Peytavin, to Societe Civile dite: Societe Civile d'Etudes de Centrifugation. Method and apparatus for vertical casting of hollow metallic bodies. 3,268,959, 8–30–66, Cl. 22—57.3.

Babelay, Edwin F., and H. P. Barringer, to United States of America, Atomic Energy Commission. Liquid centrifuge core. 3,288,360, 11–29–66, Cl. 233—22.

Baberstock, Peter, to Brightside Heating and Engineering Co. Ltd. Fans. 3,286,914, 11–22–66, Cl. 230—232.

Babich, Edward, and R. H. Leidal, to Galaxy Boring Co. Boring bar. 3,274,862, 9–27–66, Cl. 77—58.

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Elssfeldt, Erich, and Babisch. 3,250,529.

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Maier, Gunther, Baumann, and Babitzka. 3,293,516.

Babler, Siegfried, to Societe de la Viscose Suisse. Polyamide compositions containing a phenol, a phosphate, a manganese salt, and an acid anhydride as stabilizers. 3,260,697, 7–12–66, Cl. 260—45.75.

Babson, Arthur L., to Warner-Lambert Pharmaceutical Co. Purification of urease. 3,249,513, 5–3–66, Cl. 195—66.

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Babson, Edward S., to United Shoe Machinery Corp. Conveyor control devices. 3,227,098, 1–4–66, Cl. 104—172.

Babson, Edward S., to United Shoe Machinery Corp. Conveyor apparatus. 3,244,114, 4–5–66, Cl. 104—172.

Babson, Edward S., to United Shoe Machinery Corp. Conveyor control devices. 3,274,953, 9–27–66, Cl. 104—172.

Babson, Edward S., to United Shoe Machinery Corp. Conveyor system control apparatus. 3,285,195, 11–15–66, Cl. 104—252.

Babusci, Louis D., and D. O. Feder, to Bell Telephone Laboratories, Inc. Nickel-cadmium battery receptacle. 3,285,784, 11–15–66, Cl. 136—133.

Babylon, Robert D. Railroad way station telephone amplifier. 3,250,861, 5–10–66, Cl. 179—81.

Baccaredda, Mario, E. Butta, and P. Giusti, to Continental Oil Co. Catalytic polymerization of trioxane. 3,294,750, 12–27–66, Cl. 260—67.

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Bach, Frederich O.: *See*—
Beatty, Julian L., and Bach. 3,247,793.

Bach, Frederick O., to A. B. Dick Co. Method for the preparation of thermographic offset masters. 3,256,811, 6–21–66, Cl. 101—149.2.

Bach, Frederick O., to A. B. Dick Co. Offset master and method of imaging. 3,267,848, 8–23–66, Cl. 101—149.2.

Bach, Friedrich, to Veb Leuna-Werke "Walter Ulbricht." High pressure canned motor pump. 3,289,595, 12–6–66, Cl. 103—87.

Bach, Harold E., to National Electric Welding Machines Co. Knife for cutting excess strip from a scarf joint. 3,236,136, 2–22–66, Cl. 83—614.

Bach, Harold E., and L. G. Gilbert, to National Electric Welding Machines Co. Wire feeding device. 3,265,258, 8–9–66, Cl. 226—112.

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Bach, Ricardo O., to Beryllium Metals & Chemicals Corp. Production and recovery of beryllium chloride. 3,250,592, 5–10–66, Cl. 23—87.

Bach, Walter H., to Bach Auricon, Inc. Claw for high speed intermittent movement mechanism. 3,229,879, 1–18–66, Cl. 226—67.

Bacharach, Curt I., to Spencer Gifts, Inc. Picture frame assembly. 3,237,333, 3–1–66, Cl. 40—152.

Bachelder, Albert J., to Polaroid Corp. Composite photographic film roll. 3,270,653, 9–6–66, Cl. 95—89.

Bacher, Helmut L., and J. E. Ebert, to Weinschel Engineering Co. Linear variable lossy line attenuator. 3,237,133, 2–22–66, Cl. 333—81.

Bacher, Helmut, and E. R. Seitter, to Weinschel Engineering Co., Inc. Multi-layer card attenuator for microwave frequencies. 3,260,971, 7–12–66, Cl. 333—81.

Bachhuber, Theodore J. Shotgun shell reloader. 3,240,104, 3–15–66, Cl. 86—39.

Bachhuber, Theodore J. Shotgun shell reloader. 3,242,790, 3–29–66, Cl. 86—29.

Bachl, Herbert. Rotary turbine. 3,286,984, 11–22–66, Cl. 253—79.

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Bachli, Herman, and E. B. Shapiro, to Chicago Specialty Mfg. Co. Adjustable ball cock valve. 3,254,665, 6–7–66, Cl. 137—414.

Bachli, Herman, and E. B. Shapiro, to Chicago Specialty Mfg. Co. Shower head. 3,254,842, 6–7–66, Cl. 239—107.

Bachman, Anatole, to Federal Pacific Electric Co. Circuit interrupters. 3,268,681, 8–23–66, Cl. 200—68.

Bachman, Anatole, to Federal Pacific Electric Co. Circuit interrupters with improved snap acting operating mechanism. 3,287,514, 11–22–66, Cl. 200—17.

Bachman, Anatole, to Federal Pacific Electric Co. Fuse terminal clip. 3,289,144, 11–29–66, Cl. 339—149.

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Bachman, Robert A., to International Telephone and Telegraph Corp. Contact retention device with safety stop. 3,229,244, 1–11–66, Cl. 339—217.

Bachman, Walter S., to United-Carr Inc. Fastener attaching device. 3,237,496, 3–1–66, Cl. 83—154.

Bachman, Walter S., Jr., W. A. Erhardt, Jr., and E. V. Surprenant, to United-Carr Inc. Work movable mechanism and fastener attaching machine. 3,279,671, 10–18–66, Cl. 227—1.

Bachman, William: *See*—
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Wallerstein, Lawrence B., and Bachman. 3,271,922.

Bachman, William S., to Columbia Broadcasting System, Inc. Phonograph record molding apparatus. 3,290,726, 12–13–66, Cl. 18—5.3.

Bachmann, Ditmar, H. Gerstenberg, K. Grafen, E. Paszthory, and E. Schrott, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Reactor for the manufacture of polyethylene phthalates. 3,251,657, 5–17–66, Cl. 23—285.

Bachmann, Erik. Can holder. 3,239,180, 3–8–66, Cl. 248—210.

Bachmann, Fritz, to Ciba Ltd. Pesticidal preparations. 3,261,744, 7–19–66, Cl. 167—22.

Bachmann, Fritz, to Ciba Ltd. Method for controlling pests. 3,264,180, 8–2–66, Cl. 167—33.

Bachmann, John H., to Pittsburgh Plate Glass Co. Haloalkyl esters of N-substituted halophenylcarbamic acid. 3,245,774, 4–12–66, Cl. 71—2.6.

Bachmann, Thomas H.: *See*—
Bevarly, Henry W., and Bachmann. 3,235,002.

Bachnick, Werner, and W. Heitefuss, to Telefunken Patentverwertungsgesellschaft m.b.H. UHF tuner having quarter wave length tank circuit and capacitance diode for tuning. 3,253,239, 5–24–66, Cl. 333—83.

Bachnick, Werner, and W. Heitefuss, to Telefunken Patentverwertungsgesellschaft m.b.H. Transistor oscillator for UHF tuners with increased frequency range. 3,286,195, 11–15–66, Cl. 331—97.

Bachofen, Hans. Corrugated pasteboard. 3,256,126, 6–14–66, Cl. 156—210.

Bachofner, Willy, to H. A. Schlatter, AG. Contact roller for seam welding machines. 3,281,569, 10–25–66, Cl. 219—84.

Bachowski, Ronald, P. D. Hess, and K. J. Brondyke, to Aluminum Co. of America. Treatment of molten aluminous metal. 3,281,238, 10–25–66, Cl. 75—93.

Bacino, Eigel J., and J. C. Bowen, to Pressure Products Industries, Inc. Poppet valve. 3,245,429, 4–12–66, Cl. 137—543.21.

Back, Alexander E.: *See*—
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Back, Frank G. Photographic projection device. 3,234,849, 2–15–66, Cl. 88—24.

Back, Frank G. Varifocal lens system for cameras using leaf-type shutters. 3,259,013, 7–5–66, Cl. 88—57.

Back, Frank G. Tracking device. 3,287,497, 11–22–66, Cl. 178—7.88.

Back, Frank G. Optically compensated varifocal lens assembly. 3,294,471, 12–27–66, Cl. 350—194.

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Backers, Franciscus T., and J. H. Wessels, to North American Philips Co. Inc. Prevention of cross-talk in video recordings. 3,234,325, 2–8–66, Cl. 178—6.6.

Backers, Franciscus T., J. H. Wessels, and T. M. A. Lips, to North American Philips Co., Inc. Device for reducing tape friction in a video tape recorder. 3,293,377, 12–20–66, Cl. 179—100.2.

Backlund, Frank, and R. H. Holmberg. Bag holder. 3,240,457, 3–15–66, Cl. 248—99.

Backlund, Peter S., to Union Oil Co. of California. Method of preparing trimellitic acid. 3,227,751, 1–4–66, Cl. 260—524.

Backlund, Sven-Erik, to S. G. Anderson. Device in cutting machines for cutting fabric or the like to bands. 3,238,830, 3–8–66, Cl. 83—426.

Backman, Birger J., to S. E. G. Bonevik. Well drill machine. 3,227,227, 1–4–66, Cl. 173—82.

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Backmark, Nils E. G., to North American Philips Co., Inc. Tunable magnetron. 3,247,421, 4–19–66, Cl. 315—39.61.

Backord, Lawrance D.: *See*—
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Backstrom, Carlyle K., to C. F. Hathaway Co. Stretch garment. 3,289,213, 12–6–66, Cl. 2—116.

Backström, Sven H., to Stora Kopparbergs Bergslags Aktiebolag. Elevator for flowable material. 3,240,367, 3–15–66, Cl. 214—18.

Backus, Alfred J.: *See*—
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Backus, Milo M., to Texas Instruments Inc. Filtering techniques and a filter for eliminating multiple reflections occurring in the detected signals of marine seismic exploration. 3,238,499, 3–1–66, Cl. 340—15.5.

Baclawski, Joseph E., to General Electric Co. Dynamoelectric machine. 3,238,401, 3–1–66, Cl. 310—91.

Baclawski, Joseph E., to General Electric Co. Rotor protective cover for a dynamoelectric machine. 3,243,619, 3–29–66, Cl. 310—88.

Bacon, Donald V. Reciprocating knife. 3,283,407, 11–8–66, Cl. 30—272.

Bacon Felt Co.: *See*—
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Becker, William E. 3,283,451.

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Bacon, James R., and G. H. Barnes, to Burroughs Corp. Shift register. 3,289,010, 11–29–66, Cl. 307—88.5.

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Bacon, Louis E., to Kelsey-Hayes Co. Ratchet wrench. 3,233,481, 2–8–66, Cl. 81—63.
Bacon, Orvel E., to N. and C. Carpenter. Wire cutting and stripping tool. 3,253,286, 5–31–66, Cl. 7—14.1.
Bacon, Robert M. Safety interlock mechanism for an electric switch and receptacle unit. 3,277,253, 10–4–66, Cl. 200—50.
Bacon, William D., Jr., to General Electric Co. Luminaire. 3,264,466, 8–2–66, Cl. 240—25.
Bacrolx, Marcel, to Centre de Recherches de Pont-a-Mousson. Device for buttwelding metal sheets. 3,265,277, 8–9–66, Cl. 228—44.
Bacskai, Robert, to Chevron Research Co. Preparation of normally liquid higher molecular weight olefins. 3,251,901, 5–17–66, Cl. 260—683.15.
Badali, Joseph A., to Olin Mathieson Chemical Corp. Plastic box magazine. 3,273,275, 9–20–66, Cl. 42—50.
Badalich, Frank C., to Bell & Howell Co. Film strip projector. 3,280,699, 10–25–66, Cl. 88—26.
Badalli, Fred F., to Lathe Attachments Mfg. Co. Template controlled machine tool. 3,237,491, 3–1–66, Cl. 82—14.
Baddorf, Paul E., and J. H. Houdry, to Oxy-Catalyst, Inc. Apparatus for improving the purification of exhaust gases from an internal combustion engine. 3,273,971, 9–20–66, Cl. 23—288.
Baddour, Raymond F., to Abcor, Inc. Method of and apparatus for chromatographic separations. 3,250,058, 5–10–66, Cl. 55—67.
Bade, Alfred G.: *See*—
Polzin, Clayton H. W., and Bade. 3,284,103.
Bade, Erich, to Polysius G.m.b.H. Method of and apparatus for recovering substances with a high alkali percentage from the fine gases of cement kilns. 3,288,450, 11–29–66, Cl. 263—32.
Bade, Heinz E., to J. F. Behrens. Control valve mechanism for pneumatically operable devices, especially for driving nails and staples. 3,228,422, 1–11–66, Cl. 137—625.6.
Bade, Heinz E., to J. F. Behrens. Pneumatically operable driving device for driving nails, staples, and the like. 3,288,339, 11–29–66, Cl. 227—130.
Baden, Harry C., C. C. Bard, and J. M. Seemann, to Eastman Kodak Co. Photographic prehardener compositions. 3,294,536, 12–27–66, Cl. 96—50.
Baden, Thomas A., and S. J. Lee, to Donaldson Co., Inc. Restriction indicator for air cleaners. 3,258,960, 7–5–66, Cl. 73—118.
Badenoch, Alexander J. B., to International Computers and Tabulators Ltd. Document feeding apparatus. 3,231,265, 1–25–66, Cl. 271—29.
Badenoch, Benjamin W., and E. T. Brown, to Sperry Rand Corp. Power transmission. 3,230,894, 1–25–66, Cl. 103—162.
Bader, Clifford J.: *See*—
Ellis, David M., and Bader. 3,254,298.
Bader, Dan M., and B. G. Agnew, to Esso Production Research Co. Accurately locating plugged perforations in a well-treating method. 3,251,993, 5–17–66, Cl. 250—43.5.
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Bader, Erich, and H. Landsfeld, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Curing liquid for hardening monomeric polymerizable organic compounds. 3,290,257, 12–6–66, Cl. 252—426.
Bader, Erich, and H. Koert, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Cold curing reaction lacquers containing at least one component containing ethylenic unsaturation curable by polymerization. 3,290,410, 12–6–66, Cl. 260—862.
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Bagno, Samuel M., to Specialties Development Corp. Doppler-type intruder detection system arranged to eliminate extraneous air turbulence effects. 3,271,755, 9–6–66, Cl. 340—258.

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Bailey, Bruce L., to Great Lakes Carbon Corp. Apparatus and process for continuously making baked and graphitized carbon bodies. 3,284,372, 11–8–66, Cl. 252—502.

Bailey, Bruce L., B. Y. Karagoz, and P. Peller, to Great Lakes Carbon Corp. Fabrication of carbon and graphite bodies. 3,275,488, 9–27–66, Cl. 156—89.

Bailey, Charles H., to Shell Oil Co. Method of reclaiming used lubricants by subjecting to electrical field in presence of non-ash polymeric dispersants. 3,282,813, 11–1–66, Cl. 204—184.

Bailey, Charles S., to General Motors Corp. Low wax pressure thermostat. 3,241,760, 3–22–66, Cl. 236—34.

Bailey, David N. Metal storm door and stop therefor. 3,274,733, 9–27–66, Cl. 49—387.

Bailey, Dean C., to Motorola, Inc. Integrated circuit bistable multivibrator. 3,275,846, 9–27–66, Cl. 307—88.5.

Bailey, Dean C., to Motorola, Inc. Emitter coupled high frequency amplifier. 3,284,713, 11–8–66, Cl. 325—319.

Bailey, Desmond F., to Doulton & Co. Ltd. Moulding ceramic composition. 3,285,873, 11–15–66, Cl. 260—30.6.

Bailey, Donald C. Holder for overhead meat hooks. 3,252,427, 5–24–66, Cl. 104—89.

Bailey, Donald L., to Union Carbide Corp. Siloxane-oxyalkylene block copolymers. 3,280,160, 10–18–66, Cl. 260—448.2.

Bailey, Ervin G., to Bailey Inventions, Inc. Protection against gas explosions. 3,246,968, 4–19–66, Cl. 48—193.

Bailey, Everett C., and F. R. Cramton, to E. B. & A. C. Whiting Co. Filamentary articles. 3,238,553, 3–8–66, Cl. 15—159.

Bailey, Francis M., and R. K. Davis, to General Electric Co. Freight car identification system. 3,267,259, 8–16–66, Cl. 235—61.11.

Bailey, Frank W.: *See*—
Miles, George N., Bailey, and MacCracken. 3,235,178.

Bailey, Frederick E., Jr.: *See*—
La Combe, Edward M., and Bailey. 3,280,081.
Lundberg, Robert D., and Bailey. 3,294,767.
Raines, Russell H., and Bailey. 3,257,319.

Bailey, Frederick E., Jr., to Union Carbide Corp. Polymerization of epoxides. 3,274,129, 9–20–66, Cl. 260—2.

Bailey, Frederick E., Jr., F. N. Hill, and J. T. Fitzpatrick, to Union Carbide Corp. Interpolymer of ethylene oxide and at least one different 1,2-alkylene oxide. 3,256,211, 6–14–66, Cl. 260—2.

Bailey, Frederick E., Jr., E. M. La Combe, and R. H. Raines, to Union Carbide Corp. Sulfur-containing polymers. 3,278,500, 10–11–66, Cl. 260—79.7.

Bailey, Frederick E., Jr., and E. M. La Combe, to Union Carbide Corp. Process for preparing polymers of acrylamide with ethylenically unsaturated sulfines. 3,278,501, 10–11–66, Cl. 260—79.7.

Bailey, George S., Jr.: *See*—
Schwer, Frederick W., and Bailey. 3,257,236.

Bailey, Harold G.: *See*—
Standing, Charles A., and Bailey. 3,245,732.

Bailey, Harold G., and A. Hale, to The Akron Standard Mold Co. Method for removing elastomeric stock from the work roll of a mill or the like. 3,270,107, 8–30–66, Cl. 264—147.

Bailey, Harold H.: *See*—
McPherson, Alexander L., Bailey, and Stevens. 3,254,366.

Bailey Inventions, Inc.: *See*—
Bailey, Ervin G. 3,246,968.

Bailey, James R., and V. W. Lavigne, to Switchcraft, Inc. Push rod mechanism with accumulative lock apparatus. 3,281,544, 10–25–66, Cl. 10–25–66, Cl. 200—5.

Bailey, James S., and J. F. De Ano, to The Rauland Corp. Method of manufacturing cathode-ray tubes. 3,233,954, 2–8–66, Cl. 316—1.

Bailey, James S., and H. H. Schmalz, to The Rauland Corp. Electron discharge devices. 3,242,253, 3–22–66, Cl. 174—50.58.

Bailey, Jay R., to McCulloch Corp. Torque wrench. 3,283,620, 11–8–66, Cl. 81—52.4.

Bailey, John D., to Pullman Inc. Vertically adjustable supporting means for laterally movable doors. 3,269,059, 8–30–66, Cl. 49—219.

Bailey, John D., to Pullman Inc. Freight vehicle door sealing arrangement. 3,284,956, 11–15–66, Cl. 49—493.

Bailey, John D., and R. R. Bradham, to Pullman Inc. Laterally movable door. 3,238,571, 3–8–66, Cl. 20—23.

Bailey, John M.: *See*—
Fleck, Kenneth J., and Bailey. 3,234,923.

Bailey, John M., Jr., R. L. Adams, and J. Agin, to Radio Corp. of America. Character reader utilizing stroke and cavity detection for recognition of characters. 3,290,650, 12–6–66, Cl. 340—146.3.

Bailey, John V.: *See*—
Baker, Peter J., and Bailey. 3,264,262.

Bailey, Joseph, to Eastman Kodak Co. Light-absorbing water-permeable colloid layer containing an oxonol dye. 3,247,127, 4–19–66, Cl. 252—300.

Bailey, Joseph, to Eastman Kodak Co. Dyes for photographic filter and antihalation layers. 3,260,601, 7–12–66, Cl. 96—84.

Bailey, Joseph, to Eastman Kodak Co. Light-filtering dyes for photographic elements. 3,294,539, 12–27–66, Cl. 96—84.

Bailey, Joseph T., and D. D. Nyberg, to Shell Oil Co. Polystyrene-polyisoprene-polystyrene block copolymer latices and process for their preparation. 3,238,173, 3–1–66, Cl. 260—29.7.

Bailey, Knight V., and D. C. Kowalski, to The Bendix Corp. Photoelectric stereoplotter using a single light source. 3,267,286, 8–16–66, Cl. 250—219.

Bailey Meter Co.: *See*—
Campbell, Gardner L., Danvic, McEvoy, and Panich. 3,261,218.
Evans, Charles V. 3,266,516.
Harman, George L., Jr., and Shannon. 3,293,120.
Hemker, Fritz L. 3,280,682.
Louis, John R. 3,243,664.
Werme, John V. 3,266,023.

Bailey, Norman: *See*—
Webb, Alfred W. O., and Bailey. 3,230,078.

Bailey, Percy T. Fence post. 3,241,279, 3–22–66, Cl. 52—296.

Bailey, Philip S., to Esso Research and Engineering Co. Selective oxidation of ozonolysis intercondensation products to carboxylic acids with ozone catalyzed oxygen in the presence of at least two mols of formic acid per mol equivalent of peroxide groups. 3,238,250, 3–1–66, Cl. 260—514.

Bailey, Ray V.: *See*—
Wilcox, James R. 3,245,477.

Bailey Raymond E.: *See*—
Towle, Jack L., Block, and Bailey. 3,255,096.

Bailey, Richard F.: *See*—
Speegle, A. J., and Bailey. 3,248,930.

Bailey, Richard F., J. F. Mason, and R. B. Emery, to Halliburton Co. Apparatus for dispensing particulate material. 3,236,422, 2–22–66, Cl. 222—195.

Bailey, Richard W.: *See*—
Rishovd, Sigurd A., Bailey, and Reid. 3,237,388.

Bailey, Richard W., M. S. Reid, and S. A. Rishovd, to Northwestern Motor Co. Chain saws. 3,236,036, 2–22–66, Cl. 56—25.

Bailey, Robert L., to Spokane Pres-To-Log Co., Inc. Cap supporting inlet structure for plastic bottles and jars. 3,229,841, 1–18–66, Cl. 215—31.

Bailey, Robert L., to National Distillers and Chemical Corp. Method for detecting volatile organic contaminants in reusable containers. 3,266,292, 8–16–66, Cl. 73—23.

Bailey, Robert L., to National Distillers and Chemical Corp. Plastic bottle. 3,285,454, 11–15–66, Cl. 215—100.

Bailey, Robert S., A. Senchak, S. B. Silverschotz, and E. M. S. McWhirter, to International Telephone and Telegraph Corp. Transmission system for imprinted intelligence. 3,261,911, 7–19–66, Cl. 178—6.

Bailey, Thomas W., to Kaiser Aluminum & Chemical Corp. Refractory construction. 3,280,773, 10–25–66, Cl. 110—99.

Bailey, Walter W., to Automotive Products Co. Ltd. Valve devices for controlling servo-devices of the differential air pressure or vacuum type. 3,268,270, 8–23–66, Cl. 303—13.

Bailey, Ward E., Jr., and W. J. Kearns, to General Electric Co. Gaseous discharge device with shield for directly heated cathode. 3,270,232, 8–30–66, Cl. 313—38.

Bailey, Wesley T., to Purex Corp., Ltd. Photosensitive masking for chemical etching. 3,255,006, 6–7–66, Cl. 96—36.

Bailey, William R., to Feedback Systems, Inc. Fluid valve device. 3,244,189, 4–5–66, Cl. 137—81.5.

Baillargeon, John T.: *See*—
Coates, Robert N., and Baillargeon. 3,283,940.

Baillie, William R.: *See*—
Reed, Martin C., and Baillie. 3,294,403.

Baillod, Philippe C. V., to Centre d'Etudes et de Recherches Pour La Documentation Automatique (C.E.R.D.A.). Apparatus for the selection and reproduction of documents. 3,267,800, 8–23–66, Cl. 88—24.

Baily, Jack H., and E. Sterling, to Steam Sales & Service Co. Automatic still. 3,269,919, 8–30–66, Cl. 202—160.

Bain, Gordon A., to Aluminium Laboratories Ltd. Method and apparatus for baking carbonaceous linings. 3,293,406, 12–20–66, Cl. 219—279.

Bain, John W., and A. E. Sumsion, to United States Steel Corp. Method and apparatus for burning a mixture of liquid and gaseous fuels. 3,236,281, 2–22–66, Cl. 158—11.

Bain, Joseph P. Preparation of 2,6-dimethyl-2,7-octadiene. 3,277,206, 10–4–66, Cl. 260—680.

Bain, Peter J. S., and E. B. McCall, to Monsanto Chemicals Ltd. Process for the arylation of an aromatic compound in the presence of a catalyst. 3,244,721, 4–5–66, Cl. 260—283.

Baines, Albert, and A. Campbell, to Imperial Chemical Industries Ltd. Process for preparing bipyridyls. 3,227,723, 1–4–66, Cl. 260—296.

Bains, Robert W., to United Gas Corp. Code interpreter. 3,287,704, 11–22–66, Cl. 340—172.5.

Bains, Robert W., and J. E. Whatley, to United Gas Corp. Tape transport mechanism. 3,291,408, 12–13–66, Cl. 242—55.12.

Bains, William R., F. W. A. Knoll, and I. J. Spiro. Head motion sensing system. 3,290,985, 12–13–66, Cl. 88—1.

Bair, Daniel L.: *See*—
Keith, Carl D., and Bair. 3,275,567.

Bair, Edwin K., and R. F. Hodgson, to Commercial Shearing & Stamping Co. High pressure filter having a relief valve in the base. 3,283,098, 11–1–66, Cl. 210—133.

Bair, Lester E., G. Meyer, and L. Kramer. Thermal chests. 3,255,607, 6–14–66, Cl. 62—372.

Baird, Andrew G.: *See*—
Silenius, Robert T., Binkley, and Baird. 3,285,655.

Baird-Atomic, Inc.: *See*—
Billings, Bruce H. 3,243,722.
Earle, Frank N. 3,227,038.
Kopito, Louis. 3,236,205.

Baird, Clyde W., to Industrial Nucleonics Corp. System for measuring a property of a dielectric material by applying signals at two different frequencies to a capacitance probe through tuned input circuits. 3,234,460, 2–8–66, Cl. 324—61.

Baird, Clyde W., to Industrial Nucleonics Corp. Computer system for two-frequency dielectric materials gauge with standardization and temperature sensor input. 3,241,062, 3–15–66, Cl. 324—61.

Baird, Donald R., to Texas Instruments Inc. Power transistor device. 3,264,399, 8–2–66, Cl. 174—15.

Baird, George A., and T. A. Dowds, to Burroughs Corp. Program selector for accounting machine with recording apparatus. 3,250,959, 5–10–66, Cl. 317—137.

Baird, Gordon F., to Blackstone Corp. Heat transfer core structure. 3,262,495, 7–26–66, Cl. 165—152.

Baird, Jack D., to J. J. Milligan, C. S. Phillips, and R. T. Zimmerman. Apparatus for rotating the cloth roll of a loom. 3,265,094, 8–9–66, Cl. 139—1.

Baird, Leslie L., and C. B. Gehringer, Jr., to General Electric Co. Fusible electric switch equipped with combination fuse holder and arcing contact. 3,259,718, 7–5–66, Cl. 200—114.

Baird, Stephen S., and C. R. Fuller, to Texas Instruments Inc. Method of treating silicon and devices containing PN junctions. 3,290,180, 12–6–66, Cl. 148—1.5.

Baird, William G., Jr.: *See*—
Lindstrom, Carl A., Jr., Baird, Besse, and D'Entremont. 3,260,776.

Baird, William G., Jr., C. A. Lindstrom, Jr., A. L. Besse, Jr., and D. J. d'Entremont, to W. R. Grace & Co. High shrink energy polyethylene cohesively sealed to another thermoplastic material. 3,294,621, 12–27–66, Cl. 161—247.

Baisch, John C. Magnetic device. 3,239,726, 3–8–66, Cl. 317—159.

Baisel, Edwin C.: *See*—
Delany, John J., Baisel, and Langdon. 3,254,664.

Baitinger, William F., Jr.: *See*—
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Baits, Stephen S.: *See*—
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Durdin, Augustus C., Kittle, Baits, and Swenski. 3,280,556.

Baits, Stephen S., to Sundstrand Corp. Pump or motor wobbler mounting. 3,274,948, 9–27–66, Cl. 103—162.

Baizer, Manuel M., to Monsanto Co. Electrolytic method for preparing low weight polymers of acrylonitrile. 3,245,889, Cl. 204—73.

Baizer, Manuel M., to Monsanto Co. Process for producing nicotinic acid from acrylonitrile. 3,246,000, 4–12–66, Cl. 260—295.5.

Baizer, Manuel M., to Monsanto Co. Electrolytic reductive coupling of activated-olefins. 3,249,521, 5–3–66, Cl. 204—73.

Baizer, Manuel M., to Monsanto Co. Electrolytic reductive coupling of cyano compounds. 3,250,690, 5–10–66, Cl. 204—73.

Baizer, Manuel M., to Monsanto Co. Electrolytic reductive coupling of aromatic compounds. 3,271,278, 9–6–66, Cl. 204—72.

Baizer, Manuel M., to Monsanto Co. Electrolytic reductive coupling process. 3,274,084, 9–20–66, Cl. 204—72.

Baizer, Manuel M., to Monsanto Co. Substituted aryloxyalkylene amines. 3,275,629, 9–27–66, Cl. 260—247.7.

Bajars, Laimonis: *See*—
Mantell, Russell M., and Bajars. 3,247,273.

Bajars, Laimonis, to Petro-Tex Chemical Corp. Hydrocarbon dehydrogenation. 3,260,767, 7–12–66, Cl. 260—680.

Bajars, Laimonis, to Petro-Tex Chemical Corp. Process for dehydrogenating hydrocarbons. 3,268,611, 8–23–66, Cl. 260—680.

Bajars, Laimonis, to Petro-Tex Chemical Corp. Hydrocarbon dehydrogenation process. 3,268,612, 8–23–66, Cl. 260—680.

Bajars, Laimonis, to Petro-Tex Chemical Corp. Process for dehydrogenating. 3,274,285, 9–20–66, Cl. 260—680.

Bajars, Laimonis, to Petro-Tex Chemical Corp. Dehydrogenation process. 3,277,207, 10–4–66, Cl. 260—680.

Bajars, Laimonis, to Petro-Tex Chemical Corp. Production of unsaturated hydrocarbons. 3,278,626, 10–11–66, Cl. 260—680.

Bajars, Laimonis, L. J. Croce, and M. Gabliks, to Petro-Tex Chemical Corp. Dehydrogenation with magnesium ferrite. 3,284,536, 11–8–66, Cl. 260—683.3.

Bajulaz, Roger. Carrying element. 3,260,353, 7–12–66, Cl. 198—156.

Bakelite Xylonite Ltd.: *See*—
Bromley, Keith. 3,247,544.

Baker, Alfred D., and J. S. Clarke, to Joseph Lucas (Industries) Ltd. Starting mechanism for internal combustion engines. 3,280,811, 10–25–66, Cl. 123—179.

Baker, Arthur K. Dust-free bench. 3,251,177, 5–17–66, Cl. 55—385.

Baker, Arthur Y., to Education Engineering Associates. Teaching machine. 3,254,431, 6–7–66, Cl. 35—9.

Baker, Basil O., and R. J. Wheldon, to The M-O Valve Co. Ltd. Gas tube having an emmissive shield. 3,244,925, 4–5–66, Cl. 313—211.

Baker, Benjamin P.: *See*—
Aspey, Wayne S., and Baker. 3,259,724.

Baker, Berkley J., and E. Z. Krajewski, to Litton Precision Products, Inc. Food package for microwave heating. 3,271,169, 9–6–66, Cl. 99—221.

Baker Brush Co. Inc.: *See*—
Shulman, Stuart M. 3,263,259.

Baker, C., Instruments Ltd.: *See*—
Smith, Francis H. 3,277,782.

Baker, C. P., & Co.: *See*—
Grob, Erwin. 3,265,625.

Baker, Carl C.: *See*—
Salna, Karl, Mark, and Baker. 3,250,411.

Baker, Carolyn F. First aid umbrella. 3,227,867, 1–4–66, Cl. 240—6.42.

Baker Castor Oil Co., The: *See*—
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Vignolo, Robert R., Smith, and Bolley. 3,252,820.

Baker, Cecil J., and A. O. Johnson, to Whirlpool Corp. Shelf structure. 3,242,885, 3–29–66, Cl. 108—137.

Baker, Charles E. F. W. Leonhard, and F. Dinhobel, to McDonnell Aircraft Corp. Ion beam deposition as a means of making electric circuits and circuit elements. 3,245,895, 4–12–66, Cl. 204—164.

Baker, Clarence W.: *See*—
Perkins, George D., and Baker. 3,256,429.

Baker, Clifford A.: *See*—
Goffin, George R., Baker, and Cornwell. 3,251,720.

Baker, Cole H.: *See*—
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Baker, Colin L., to Judson L. Thomson Mfg. Co. Rivet setting machine. 3,253,440, 5–31–66, Cl. 72—19.

Baker Co., Inc., The: *See*—
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Baker, Craig C., to Sta-Hi Corp. Method of and apparatus for drying stereotype mats. 3,241,247, 3–22–66, Cl. 34—17.

Baker, David M., to The Ohio Brass Co. Ceramic supports. 3,293,774, 12–27–66, Cl. 34—134.

Baker, Don R., M. E. Brokke, and D. J. Broadbent, to Stauffer Chemical Co. Method for controlling insects. 3,250,674, 5–10–66, Cl. 167—33.

Baker, Don R., S. L. Giolito, and D. A. Arneklev, to Stauffer Chemical Co. 2,2'-dihalodivinyl sulfone microbiocide. 3,268,391, 8–23–66, Cl. 167—22.

Baker, Donald B., to Bird Machine Co. Spray nozzle. 3,249,305, 5–3–66, Cl. 239—113.

Baker, Donald C., to J. I. Case Co. Neutral locking and safety starting means for vehicles. 3,285,361, 11–15–66, Cl. 180—82.

Baker, Donald E., to E. T. Oakes Corp. Devices for transferring particulate material between zones at different pressures. 3,254,801, 6–7–66, Cl. 222—167.

Baker, Donald H., to Sperry Rand Corp. Earth's magnetic field responsive apparatus. 3,276,273, 10–4–66, Cl. 74—5.47.

Baker, Donald H., and R. K. Radtke, to Sperry Rand Corp. Earth's magnetic field responsive systems. 3,233,332, 2–8–66, Cl. 33—222.

Baker, Donald J.: *See*—
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Baker, Donald J. Subminiature potentiometer. 3,235,827, 2–15–66, Cl. 338—162.

Baker, Donald J. Subminiature potentiometer. 3,235,828, 2–15–66, Cl. 338—174.

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Baker, Edgar G., to Gentex Corp. Buoyant vest. 3,247,531, 4–26–66, Cl. 9—338.

Baker, Edgar G., to Gentex Corp. Buoyant jacket. 3,261,042, 7–19–66, Cl. 9—342.

Baker, Edward A., Jr., to Palmer-Shile Co. Safety lock for adjustable storage racks. 3,240,352, 3–15–66, Cl. 211—177.

Baker, Edward J., to United States of America, Army. Device for detecting and measuring high energy particles of a predetermined energy level. 3,265,895, 8–9–66, Cl. 250—83.3.

Baker, Edward S., and A. B. Lum, to The Boeing Co. Punch card read-out device. 3,267,260, 8–16–66, Cl. 235—61.11.

Baker, Edwin H.: *See*—
Donat, Frank J., and Baker. 3,249,594.

Baker, Eugene E.: *See*—
Richardson, Cecil R., Manson, and Baker. 3,270,814.

Baker, Eugene E., to Halliburton Co. Cementing collar and means for actuating same. 3,228,473, 1–11–66, Cl. 166—154.

Baker, Eugene E., to Halliburton Co. Cementing collar and knock-down actuating plugs. 3,247,905, 4–26–66, Cl. 166—194.

Baker, Eugene H., D. P. Osborn, Jr., and M. O. Steen. Wall mounted exercising machine for use while standing. 3,227,447, 1–4–66, Cl. 272—79.

Baker, George A.: *See*—
Nelson, Forrest A., and Baker. 3,244,968.
Nelson, Forrest A., and Baker. 3,286,154.

Baker, George W., to York Research Corp. Thermionic tube having novel heater and cathode. 3,265,924, 8–9–66, Cl. 313—337.

Baker, Gerald S., to Schlumberger Well Surveying Corp. Apparatus for detecting magnetic anomalies. 3,267,365, 8–16–66, Cl. 324—34.

Baker, Glenn A., to Coil Anodizers, Inc. Method of pickling without mottling due to gas bubble retention. 3,243,817, 3–29–66, Cl. 134—15.

Baker, Guy A.: *See*—
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Baker, Harris M., to E. I. du Pont de Nemours and Co. Stabilized 3,3'-ethylenebis(tetrahydro-4,6-dimethyl-2H-1,3,5-thiadiazene-2-thione) fungicidal composition. 3,278,373, 10–11–66, Cl. 167—33.

Baker, Harry R.: *See*—
Lindt, Stanley L., and Baker. 3,243,241.

Baker, Hayward R., and J. G. O'Rear, to United States of America, Navy. Method of preparing fluid silicone compositions and a cerium-containing adduct therefor. 3,267,036, 8–16–66, Cl. 252—49.7.

Baker, Henry C. Visible margin signal apparatus. 3,270,854, 9–6–66, Cl. 197—187.

Baker, Hobart. Device for projection and photography of backgrounds. 3,227,509, 1–4–66, Cl. 352—89.

Baker, Hugh M., Jr. Temperature restrained pressure relief device and method for relieving pressure of a fluid confined within a vessel. 3,254,666, 6–7–66, Cl. 137—467.

Baker, J. T., Chemical Co.: *See*—
Frilhauf, Edward J., and Bonsack. 3,245,921.
Metzendorf, Jooseph L., Pearce, and Jordan. 3,249,248.
Schramm, Charles H. 3,230,277.
Schramm, Charles H., and Zief. 3,245,963.

Baker, James A., to Cornell Research Foundation, Inc. Immunization of cattle against virus diarrhea virus. 3,293,129, 12–20–66, Cl. 167—78.

Baker, James E., and J. D. Mott, ½ to A. K. Sewell, E. L. Scott, and V. L. Uts, jointly. Safety plug. 3,267,408. 8–16–66, Cl. 339—74.

Baker, Joe H.: 10% to J. Taylor, 5% to E. B. Silverman, 1.154% to J. D. Tinnin, 20% to R. F. and A. E. Brandenburg as joint tenants, 10% to Coldwater Cattle Co., Inc., 5% to B. D. Freeman, and 10% to Anderson, Clayton & Co. Cattle feeding process, compositions and product. 3,244,527, 4–5–66, Cl. 99—2.

Baker, John A. Storm sash construction. 3,229,434, 1–18–66, Cl. 52—400.

Baker, John G. Pitless well construction. 3,239,007, 3–8–66, Cl. 166—85.

Baker, John G., to Baker Mfg. Co. Method of assembling a float in a tank. 3,239,928, 3–15–66, Cl. 29—433.

Baker, John G., to United States of America, Navy. Steering actuator for hydrofoil vehicles. 3,286,548, 11–22–66, Cl. 74—626.

Baker, John H., Jr.: *See*—
Sloughter, William J., and Baker. 3,230,445.

Baker, John L. Method for producing a transparent mosaic. 3,268,379, 8–23–66, Cl. 156—63.

Baker, John R., to The Cincinnati Milling Machine Co. Positional adjusting mechanism. 3,290,833, 12–13–66, Cl. 51—165.

Baker, John T.: *See*—
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Baker, Joseph S., R. E. Mersfelder, and R. L. Wille, to The Procter & Gamble Co. Process for improving the flavor stability of peanut butter. 3,266,905, 8–16–66, Cl. 99—128.

Baker, Joseph W.: *See*—
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Newallis, Peter E., Chupp, and Baker. 3,231,360.

Baker, Joseph W., and R. E. Stenseth, to Monsanto Co. 3-(phenylcarbamoyl) benzoxazolinones-2. 3,256,293, 6–14–66, Cl. 260—307.

Baker, Joseph W., and R. E. Stenseth, to Monsanto Co. Halogenated phenylcarbamoyl saccharin. 3,264,314, 8–2–66, Cl. 260—301.

Baker, Joseph W., J. P. Chupp, and P. E. Newallis, to Monsanto Co. Halophenyl phosphonothioates. 3,279,983, 10–18–66, Cl. 167—30.

Baker, Joseph W., and R. E. Stenseth, to Monsanto Co. Diphenyl semicarbazides. 3,285,957, 11–15–66, Cl. 260—554.

Baker, Kenneth A.: *See*—
Anderson, James B., and Baker. 3,252,618.

Baker, Kenneth S.: *See*—
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Baker, Lorene: *See*—
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Baker Mfg. Co.: *See*—
Baker, John G. 3,239,928.

Baker, Marion A., R. L. Friedman, and W. J. Baab, to Shell Oil Co. Process for esterification of secondary alcohols containing an ether group by reaction in the presence of a cation exchange resin catalyst. 3,278,585, 10–11–66, Cl. 260—479.

Baker, Marion L., to Engineering Controls, Inc. Binary cycle engine heat recovery system. 3,228,189, 1–11–66, Cl. 60—58.

Baker, Marion L., to Engineering Controls Inc. Waste heat recovery system for heat engines. 3,279,438, 10–18–66, Cl. 122—7.

Baker, Marshall W., and P. K. Beatenbough, to General Motors Corp. Refrigeration system using polyphase expansion valve assembly. 3,242,687, 3–29–66, Cl. 62—214.

Baker, Max P., to General Motors Corp. Constant velocity universal joint. 3,263,447, 8–2–66, Cl. 64—21.

Baker, Melvin L., to Bunker-Ramo Corp. Tilt limiting arrangement for a mechanical element. 3,244,066, 4–5–66, Cl. 88—24.

Baker, Melvin L., to TRW Inc. Electrical signal analyzing systems. 3,290,590, 12–6–66, Cl. 324—68.

Baker, Meredith H., and C. D. Thomason. Counterbalanced swimming pool cover. 3,241,157, 3–22–66, Cl. 4—172.

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McVey, Harold J., Baker, and Eggen. 3,240,476.

Baker Oil Tools, Inc.: *See*—
Bigelow, Herbert L. 3,289,766.
Carter, Thomas J. 3,229,767.
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Baker, Paul E., and G. D. Gould, to Chevron Research Co. Method of assisted oil recovery. 3,252,512, 5–24–66, Cl. 166—2.

Baker, Paul E., H. P. Yule, and S. B. Jones, to Chevron Research Co. Mud-cake-thickness measuring device for gamma-gamma density logger. 3,281,599, 10–25–66, Cl. 250—83.3.

Baker Perkins Holdings Ltd.: *See*—
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Balazer, Richard J. 3,262,680.
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Thomas, Joe E., and Rappaport. 3,291,280.

Baker, Peter J., to Mobay Chemical Co. Polycarbonate recovery system. 3,264,263, 8–2–66, Cl. 260—47.

Baker, Peter J., to Mobay Chemical Co. Polycarbonate recovery system. 3,264,264, 8–2–66, Cl. 260—47.

Baker, Peter J., and J. V. Bailey, to Mobay Chemical Co. Polycarbonate recovery system. 3,264,262, 8–2–66, Cl. 260—47.

Baker, Ralph C., and R. E. Ratcliff, Sr., to Wilkerson Corp. Filter and automatic dump valve for pressure fluid lines. 3,257,783, 6–28–66, Cl. 55—219.

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Conway, James H., and Baker. 3,229,313

Baker, Richard G.: *See*—
Sower, George W., Harmon, and Baker. 3,234,457.

Baker, Richard S., to North American Aviation, Inc. Helical electromagnetic pump. 3,251,302, 5–17–66, Cl. 103—1.

Baker, Richard S., M. Burg, J. R. Churchill, and H. C. Nette, to North American Aviation, Inc. Metal melting furnace system. 3,276,758, 10–4–66, Cl. 266—33.

Baker, Richard W., J. J. Blazek, and F. G. Clapetta, to W. R. Grace & Co. Silica-alumina-magnesia-magnesium fluoride catalyst and process. 3,271,300, 9–6–66, Cl. 208—120.

Baker, Richard W., W. A. Stover, and P. L. Veltman, to W. R. Grace & Co. Process for preparing catalysts for use in the production of nitriles. 3,282,859, 11–1–66, Cl. 252—432.

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Sammons, Martin V., and Baker. 3,263,531.
Sammons, Martin V., Baker, and Nixon. 3,262,340.

Baker, Robert G., to The Dow Chemical Co. Nitroguanidine fungicide. 3,250,672, 5–10–66, Cl. 167—22.

Baker, Robert L.: *See*—
Parks, Walter J. 3,238,799.

Baker, Robert L. Frequency controlled tuning fork oscillator. 3,275,947, 9–27–66, Cl. 331—27.

Baker, Robert M., to Westinghouse Electric Corp. Fine wire calorimeter. 3,282,100, 11–1–66, Cl. 73—190.

Baker, Robert N., to Ford Motor Co. Apparatus for press forming and tempering of glass. 3,279,906, 10–18–66, Cl. 65—268.

Baker, Robert S. Apparatus for forming concrete articles. 3,274,659, 9–27–66, Cl. 25—2.

Baker, Robert S., to American Concrete Crosstie Corp. Pallet for making prestressed concrete. 3,281,911, 11–1–66, Cl. 25—118.

Baker, Roland D., and J. W. Bishop; said Baker assor. to said Bishop. Heat exchangers. 3,261,327, 7–19–66, Cl. 122—32.

Baker, Ronald, and I. D. Rattee, to Imperial Chemical Industries Ltd. Copper containing disazo dyestuffs. 3,227,705, 1–4–66, Cl. 260—148.

Baker, Ronald A.: *See*—
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Pearce, Godfrey R., and Baker. 3,277,350.

Baker, Ronald A., and P. H. Forssander, to P. R. Mallory & Co., Inc. Vertical mounting clamp for cardboard tubular capacitors. 3,237,905, 3–1–66, Cl. 248—361.

Baker, Ronald A., and D. J. Propps, to P. R. Mallory & Co., Inc. Electronic assembly with dip-soldered leads. 3,284,671, 11–8–66, Cl. 317—101.

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Baker-Roos, Inc.: *See*—
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Baker, Samuel B.: *See*—
Thompson, William R., and Baker. 3,246,996.

Baker, Samuel B., and W. R. Thompson, to Esso Research and Engineering Co. Insect repellants manufactured from detergent alkylate. 3,234,081, 2–8–66, Cl. 167—30.

Baker, Samuel W., and E. M. Citron; said Baker assor. to said Citron. Manipulating devices. 3,261,479, 7–19–66, Cl. 214—1.

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Baker, Stanley W.: *See*—
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Baker, Stephen C., to Su Ev, Inc. Fire grate for barbecue grills. 3,245,398, 4–12–66, Cl. 126—152.

Baker, Theodore C., to Continental Can Co., Inc. Article carrier. 3,270,944, 9–6–66, Cl. 229—40.

Baker, Theodore C., B. B. Mathias, J. R. Sager, and L. W. Sebring, to Owens-Illinois, Inc. Tubing diameter gauge. 3,289,309, 12–6–66, Cl. 33—148.

Baker, Thomas E., and B. I. Day, to Sylvania Electric Products Inc. Tunnel diode data storage. 3,239,821, 3–8–66, Cl. 340—173.

Baker, Thomas R., to Kliklok Corp. Method of closing, squaring and sealing folding boxes comprising cover flaps. 3,267,637, 8–23–66, Cl. 53—38.

Baker, Thomas R., to Kliklok Corp. Method of bonding panel portions of a folding box having a coating of a thermoplastic material on both surfaces. 3,285,143, 11–15–66, Cl. 93—36.

Baker, Thomas R., to Kliklok Corp. Folding boxes and blanks, particularly in regard to sealing by means of a thermoplastic coating preapplied to both sides thereof. 3,285,494, 11–15–66, Cl. 229—36.

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Baker, Walter R.: *See*—
Allen, Theodore B., Baker, Bidlack, Gardner, Mullan, Ozenberger, and Van Damme. 3,271,524.

Baker, Walter S., to United States of America, Army. Method of making combustible cartridge cases. 3,282,146, 11–1–66, Cl. 86—10.

Baker, Walter S., to United States of America, Army. Composition for a combustible cartridge case. 3,293,056, 12–20–66, Cl. 106—177.

Baker, Warren, and W. E. Becker, ½ to Draper Corp. and ½ to Bacon Felt Co. Loom binder. 3,227,188, 1–4–66, Cl. 139—185.

Baker, William A., to Bristol Aeroplane Plastics Ltd. Air raid shelter. 3,229,649, 1–18–66, Cl. 109—1.

Baker, William A., D. A. Shoemack, and V. B. Murray, to Bristol Aeroplane Plastics Ltd. Resin-bonded fibre structures. 3,234,970, 2–15–66, Cl. 138—125.

Baker, William E., to Bell Telephone Laboratories, Inc. Frequency-shift data transmitter. 3,249,896, 5–3–66, Cl. 332—14.

Baker, William O., and E. A. Rodriguez, to Shamrock Pool Equipment Co. Skim filter. 3,263,811, 8–2–66, Cl. 210—136.

Baker, William P., Jr., to E. I. du Pont de Nemours and Co. Block copolymers of vinylidene compounds and perfluorinated non-vinyl monomers. 3,274,295, 9–20–66, Cl. 260—879.

Baker, William R., and K. Halbach, to United States of America, Atomic Energy Commission. Apparatus for producing and purifying plasma. 3,265,583, 8–9–66, Cl. 176—7.

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Bakharev, Eduard V., and V. S. Goloobev, to Barnaulisky Nauchno-Issledovatelsky Institute Textilnoi Promyshlennosti. Device for stopping drawing frames coiling two slivers in one can. 3,252,185, 5–24–66, Cl. 19—25.

Bakhtar, Farhang, and S. A. Tobias, to National Research Development Corp. Impulse-forming and like machines. 3,253,399, 5–31–66, Cl. 60—16.

Bakis, Raimo, to International Business Machines Corp. Adjustable recognition system. 3,261,916, 7–19–66, Cl. 179—1.

Bakke, Elmer L. Grain auger and cleaner. 3,249,220, 5–3–66, Cl. 209—33.

Bakke, Elmer L. Attachment for grain auger. 3,251,467, 5–17–66, Cl. 209—241.

Bakke, Hans A., to General Electric Co. System for recess mounting panel instruments. 3,231,225, 1–25–66, Cl. 248—27.

Bakke, William W.: *See*—
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Bakker, Eppe, and E. Kingma, to North American Philips Co., Inc. Slotted shear plate for electric shavers. 3,292,251, 12–20–66, Cl. 30—346.51.

Bakker, Martinus A. M., J. C. Duran, and B. Visser, to North American Philips Co., Inc. Method of joining metal parts. 3,238,613, 3–8–66, Cl. 29—498.

Bakker, Pieter M., and H. Buesink, to Shell Oil Co. Production of surface-active ether sulfonates. 3,275,682, 9–27–66, Cl. 260—513.

Bakker, Roel, and L. Obert, to AMP Inc. Cluster receptacle with basel lance and one-piece housing. 3,271,729, 9–6–66, Cl. 339—217.

Bakker, Willem, to American Enka Corp. Device and method for producing a yarn package. 3,283,489, 11–8–66, Cl. 57—34.

Bakos, Frank P.: *See*—
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Bakos, Gyorgy, and J. G. C. Kokke, to North American Philips Co., Inc. Guide means for tape-shaped carriers. 3,229,045. 1–11–66, Cl. 179—100.2.

Bakos, Norman M., to PlastiCase, Inc. Beverage bottle carrier. 3,245,573, 4–12–66, Cl. 220—21.

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Balogh, Roy O., and Bakula. 3,273,466.

Balaguer, Rodolfo R., to Patent Holding Corp. Molding apparatus. 3,226,772, 1–4–66, Cl. 18—42.

Balaguer, Rodolfo R., to Patent Holdings Corp. Method for assembling primary batteries. 3,265,537. 8–9–66, Cl. 136—175.

Balaguer, Rodolfo R., to J. D. Hedges and Co. Ltd. Primary battery. 3,272,655, 9–13–66, Cl. 136—100.

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Balamuth, Lewis, and A. Kuris, to Cavitron Ultrasonics Inc. Method and apparatus for joining sheet materials. 3,254,402, 6–7–66, Cl. 29—470.

Balamuth, Lewis, and A. Kuris, to Cavitron Ultrasonics Inc. Apparatus for joining thermoplastic sheet material with ultrasonic rotary vibrators. 3,272,682, 9–13–66, Cl. 156—580.

Balamuth, Lewis, and A. Kuris, to Cavitron Ultrasonics, Inc. Printing methods and apparatus. 3,280,740, 10–25–66, Cl. 101—426.

Balanyi, Leslie. Slalom race game. 3,266,802, 8–16–66, Cl. 273—1.

Balassa, Leslie L. Padders or foulards. 3,260,078, 7–12–66, Cl. 68—202.

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Balaz, Charles S., and I. H. Lundquist, to Friden, Inc. Postage meter locking device. 3,229,906, 1–18–66, Cl. 235—101

Balazer, Richard J., to Baker Perkins Inc. Mixer for mixing potentially explosive materials. 3,262,680, 7–26–66, Cl. 259—104.

Balbi, Valentino L. Refuse collecting vehicle. 3,263,846, 8–2–66, Cl. 214—518.

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Balcenik, Edward G., and F. E. Roth, to Engelhard Industries, Inc. Method of making spinnerettes. 3,283,616, 11–8–66, Cl. 76—107.

Balch, Duane C. Emergency survival capsule. 3,283,717, 11–8–66, Cl. 102—37.8.

Balch, George. Comparison calculator. 3,275,235, 9–27–66, Cl. 235—84.

Balchan, Anthony S., and G. R. Cowan, to E. I. du Pont de Nemours and Co. Apparatus for accelerating plates to high velocity. 3,249,046, 5–3–66, Cl. 102—22.

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Baldassano, Nicholas J. Frame straightening device. 3,292,410, 12–20–66, Cl. 72—297.

Balde, John W., and C. A. R. Kagan, to Western Electric Co., Inc. Apertured thin-film circuit components. 3,266,005, 8–9–66, Cl. 338—308.

Balder, Johan C., and J. Te Winkel, to North American Philips Co., Inc. Bistable circuits including tunnel diodes having mutually different characteristics nominal. 3,229,114, 1–11–66, Cl. 307—885.

Balder, Johan C.. and E. de Boer, to North American Philips Co., Inc. Transistor parametric amplifier. 3,238,466, 3–1–66, Cl. 330—4.9.

Balder, Johan C., E. de Boer, and J. te Winkel, to North American Philips Co., Inc. Coupled Goto circuits including an interconnected inductor. 3,258,610, 6–28–66, Cl. 307—88.5.

Balder, Johan C., E. de Boer, C. M. Hart, and C. Kramer, to North American Philips Co., Inc. Transmitter for signal transmission by pulse code modulation. 3,267,391, 8–16–66, Cl. 332—11.

Balder, Johan C., and C. Kramer, to North American Philips Co., Inc. Arrangement for converting and information signal. 3,293,638, 12–20–66, Cl. 340—347.

Balder, Johannes C., E. de Boer, and G. J. J. Moonen, to North American Philips Co., Inc. Circuit arrangement for separating signals. 3,263,094, 7–26–66, Cl. 307—88.5.

Balderston, John M., and W. G. Burke, Jr., to ACF Industries, Inc. Digital data multiplexing and demultiplexing. 3,274,340, 9–20–66, Cl. 179—15.

Balding, George H., to United States of America, Navy. Radar data converter. 3,230,530, 1–18–66, Cl. 343—17.1.

Balding, George H., to Kaiser Aerospace & Electronics Corp. Signal converter for video display system. 3,246,330, 4–12–66, Cl. 343—7.9.

Balding, George H., to United States of America, Navy. Radar data converter. 3,277,471, 10–4–66, Cl. 343—11.

Balding, George H., and J. H. Gard, to United States of America, Navy. Radar simulator. 3,229,018, 1–11–66, Cl. 35—10.4.

Baldock, Lee. Shock absorbing insert for the comb of a shotgun or rifle. 3,248,818, 5–3–66, Cl. 42—71.

Baldoni, Andrew A., and J. Miyashiro, to Morton Salt Co. Preparation of phloroglucinol. 3,230,266, 1–18–66, Cl. 260—621.

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Balducci, Agostino, and M. De Malde, to S.N.A.M. S.p.A. Acetylenic alcohols from ketones and acetylene using aqueous alkaline hydroxide catalyst. 3,283,014, 11–1–66, Cl. 260—638.

Balducci, John D.: *See*—
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Baldus, Herbert, to Gesellschaft Fur Linde's Eismaschinen Aktiengesellschaft Zweigniederlassung Hollriegelskreuth. Process for separating hydrocarbon mixtures by rectification. 3,230,725, 1–25–66, Cl. 62—28.

Baldus, Hugo, and B. Hajen, to Olympia Werke AG. Function control apparatus for calculators. 3,263,916, 8–2–66, Cl. 235—60.

Baldwin, Arnold J.: *See*—
Ahlefeld, Edwin H., Jr., Baldwin, Hold, Rapetski, and Scharer. 3,239,878.

Baldwin, Brian E., to Manufacturing Process Laboratories, Inc. Cannula and hub staking apparatus. 3,253,328, 5–31–66, Cl. 29—243.52.

Baldwin, Brian E., G. F. Niemann, and A. J. Mix, Jr., to Manufacturing Process Laboratories, Inc. Hub forming method and apparatus. 3,247,698, 4–26–66, Cl. 72—370.

Baldwin, D. H., Co.: *See*—
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Jones, Edward M. 3,257,624.
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Munch, Walter, Jr. 3,240,857.
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Baldwin, Francis P.: *See*—
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Baldwin, Francis P., R. I. McDougall, C. W. Muessig, and J. H. Bartlett, to Esso Research and Engineering Co. Low pressure polymers stabilized by diethers of dimercaptans. 3,293,209, 12–20–66, Cl. 260—45.95.

Baldwin-Gegenheimer Corp.: *See*—
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Baldwin, George C., J. P. Neissel, and L. Tonks, to General Electric Co. Method of preparing a gamma radiation material. 3,234,099, 2–8–66, Cl. 176—16.

Baldwin, Gerald L. Footwear ventilating device. 3,284,930, 11–15–66, Cl. 36—3.

Baldwin, Ivan. Stapling pliers. 3,289,456, 12–6–66, Cl. 72—410.

Baldwin, James A.: *See*—
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Baldwin, James F., and A. T. Cape, to Coast Metals, Inc. Alloys for high temperature use containing chromium, tungsten, nickel, cobalt. 3,265,494, 8–9–66, Cl. 75—171.

Baldwin, John A., Jr., to Bell Telephone Laboratories, Inc. Reference circuit employing magnetic elements. 3,233,112, 2–1–66, Cl. 307—88.

Baldwin, John H., to Johns-Manville Corp. Method of making laminates and molded articles. 3,238,078, 3–1–66, Cl. 156—87.

Baldwin, John H., P. J. Paetzold, and F. Starr, to Johns-Manville Corp. Composite laminates and molded articles and method of making same. 3,285,803, 11–15–66, Cl. 161—205.

Baldwin, John L. E.: *See*—
Urry, Denis E., and Baldwin. 3,283,068.

Baldwin, John L. E., to Rank-Bush Murphy Ltd. Transistor N-stable circuit arrangement. 3,246,175, 4–12–66, Cl. 307—88.5.

Baldwin, John L. E., to Rank-Bush Murphy Ltd. Magnetic tape apparatus. 3,288,924, 11–29–66, Cl. 178—6.6.

Baldwin, John L. E., to Rank-Bush Murphy Ltd. Variable frequency oscillator utilizing current controls. 3,292,106, 12–13–66, Cl. 331—117.

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Baldwin, Lionel V., and V. A. Sandborn, to United States of America, National Aeronautics and Space Administration. Apparatus for increasing ion engine beam density. 3,287,582, 11–22–66, Cl. 313—63.

Baldwin, Louis V. to E. I. du Pont de Nemours and Co. Electrical capacitors. 3,271,642, 9–6–66, Cl. 317—260.

Baldwin, Maurice F. Wheel cover having resilient plastic retaining means. 3,265,441, 8–9–66, Cl. 301—37.

Baldwin, Otis N., ¾ to C. O'Leary. Multi-purpose jig. 3,241,453, 3–22–66, Cl. 90—12.

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Baldwin, Rolland G., G. J. Erickson, and L. H. Rood, to Honeywell Inc. Control apparatus. 3,267,744, 8–23–66, Cl. 74—5.

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Baldwin, Walton B., to The Bendix Corp. Carburetor. 3,269,711, 8–30–66, Cl. 261—34.

Baldwin, Willett F., and J. E. Berry, to Socony Mobil Oil Co., Inc. Chlorine logging system using neutron capture gamma rays. 3,244,882, 4–5–66, Cl. 250—83.3.

Baldwin, William M., Jr., R. J. Cerny, and R. S. Elliott, to Western Electric Co. Inc. Apparatus for assembling and securing conductors to a device. 3,253,761, 5–31–66, Cl. 228—41.

Bale, Alton G., to Wisconsin Electrical Mfg. Co., Inc. Moisture control system and apparatus for batch processes. 3,252,530, 5–24–66, Cl. 177—63.

Bale, Robert G. Accurate control mechanism for an actuating member. 3,238,728, 3–8–66, Cl. 60—54.5.

Balekdjian, Kevork G., to Image Instruments, Inc. Optical comparison system for checking critical object dimensions. 3,279,306, 10–18–66 Cl. 88—14.

Balfour, Gerald P., to Stockdale Engineering Ltd. of Poynton. Continuous filteration and extraction apparatus. 3,255,888, 6–14–66, Cl. 210—330.

Baligant, Jeanne: *See*—
Budts, Lucien, De Senigon de Roumefort. 3,234,402.

Balint, Andrew: *See*—
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Baljet, Anton F. Baseboard heater. 3,294,158, 12–27–66, Cl. 165—55.

Balk, Albert C., to General Motors Corp. Polyurethane-polyamide soldering composition. 3,249,563, 5–3–66, Cl. 260—22.

Balk, Joseph, and T. E. Weber, deceased (by F. P. Weber, legal representative), to Emhart Corp. Refrigerated display case. 3,229,475, 1–18–66, Cl. 62—256.

Balk, Pieter, and M. H. Pilkuhn, to International Business Machines Corp. Majority carrier channel device using heterojunctions. 3,273,030, 9–13–66, Cl. 317—235.

Balke, Henry A. Device for use with collapsible dispensing tubes. 3,257,038, 6–21–66, Cl. 222—99.

Balke, Lorenzo O. Vehicle axle scale with beam linked to leaf spring shackles. 3,247,917, 4–26–66, Cl. 177—137.

Balke, Roy L., and J. T. Duane, to General Electric Co. Encapsulated electrical members and method of making the same. 3,242,358, 3–22–66, Cl. 310—45.

Balkin, Burton E. Method for inducing state of reduced awareness. 3,272,198, 9–13–66, Cl. 128—1.

Balkin, Mark, and D. G. Turner, to George Angus & Co. Ltd. Textile fibre drafting elements. 3,229,352, 1–18–66, Cl. 29—132.

Balkin, Mark, and D. G. Turner, to George Angus & Co. Ltd. Method of making cord reinforced draft aprons. 3,262,826, 7–26–66, Cl. 156—171.

Balkow, Joachim M., and W. G. U. Aye, to International Standard Electric Corp. Power-supply apparatus with a battery being provided for supplying the load in the event of failure of main rectified supply. 3,240,949, 3–15–66, Cl. 307—66.

Ball, Allan: *See*—
Dean, Leslie G., Grant, and Ball. 3,283,919.

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Doud, Wilbur O., and Cook. 3,247,964.
Fogelberg, Clement V., and Catlin. 3,262,152.
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Fogelberg, Clement V., and Hough. 3,257,687.
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Ball Bros. Research Corp.: *See*—
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Hackett, Kenneth R. 3,270,335.
Hackett, Kenneth R. 3,273,141.
Rosendahl, Gottfried R. 3,284,661.
Southworth, Glen R. 3,284,567.
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Ball, David R.: *See*—
Anderson, Robert E., Ballast, and Ball. 3,278,462.
Raymond, Russell J., and Ball. 3,240,725.

Ball, Dennis, and P. Ayers, to The British Aluminum Co. Ltd. Methods of breaking up sintered compacted metal bodies. 3,259,324, 7–5–66, Cl. 241—17.

Ball, Derek J.: *See*—
Brake. David G., and Ball. 3,254,557.

Ball, Gordon H., Inc.: *See*—
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Ball, Jeremy T., to Chrysler Corp. Dual element, dual valve filter. 3,268,077, 8–23–66, Cl. 210—131.

Ball, John: *See*—
Twist, Walter, Haigh, and Ball. 3,260,467.

Ball, John D.: *See*—
Crook, Troy N., Ball, and Hubbard. 3,264,606.
Newton, Robert A., Hughes, and Ball. 3,283,296.

Ball, John D., and C. J. Charske, to Esso Production Research Co. Apparatus for seismic prospecting. 3,240,288, 3–15–66, Cl. 181—5.

Ball, John D., and H. R. Espey, to Esso Production Research Co. Apparatus for seismic exploration. 3,259,879, 7–5–66, Cl. 340—15.5.

Ball, Karl T., to National Tank Co. Net oil meter. 3,277,710, 10–11–66, Cl. 73—233.

Ball, Ralph K.: *See*—
Litt, Peter S. 3,236,757.
Litt, Peter S. 3,236,768.
Litt, Peter S. 3,266,630.
Litt, Peter S. 3,287,170.

Ball, Robert D., and T. E. Curtis, to A. B. Chance Co. Regulator by-pass switch. 3,255,322, 6–7–66, Cl. 200—48.

Ball, Thomas M., to Chrysler Corp. Choke control for carburetor. 3,228,666, 1–11–66, Cl. 261—39.

Ball, Thomas M., to Chrysler Corp. Choke control for carburetor. 3,248,094, 4–26–66, Cl. 261—39.

Ball, Thomas M., to Chrysler Corp. Choke control for carburetor. 3,248,095, 4–26–66, Cl. 261—39.

Ball, Thomas M., to Chrysler Corp. Choke control for carburetor. 3,248,096, 4–26–66, Cl. 261—39.

Ball, Thomas M., to Chrysler Corp. Return flow carburetor. 3,252,498, 5–24–66, Cl. 158—36.4.

Ball, Thomas M., and R. T. Denton, to Chrysler Corp. Automatic choke. 3,262,683, 7–26–66, Cl. 261—39.

Ball, Warren. Carburetion system. 3,273,550, 9–20–66, Cl. 123—119.

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Korrell, Philip H., and Ball. 3,248,489.

Ball, Willis C.: *See*—
Dixson, Bruce E., and Ball. 3,278,144.

Balla, Imre, to The State of Israel, Ministry of Defence. Nuclear irradiation installation. 3,284,306, 11–8–66, Cl. 176—15.

Ballamy, Leslie M., to National Fund for Research Into Poliomyelitis and Other Crippling Diseases. Motor vehicles. 3,246,781, 4–19–66, Cl. 214—506.

Ballamy, Leslie M., to National Fund for Research Into Poliomyelitis and Other Crippling Diseases. Motor vehicles. 3,246,782, 4–19–66, Cl. 214—506.

Ballantine, P., & Sons: *See*—
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Ballantyne, David B., to General Motors Corp. Vehicle body latch device. 3,262,725, 7–26–66, Cl. 287—189.35.
Ballard, Ambrose H., and R. Hendricks, Jr., to United States of America, Atomic Energy Commission. High temperature isostatic pressing. 3,279,917, 10–18–66, Cl. 75—226.
Ballard, Bruce, and R. W. Harder, to Telemetrics, Inc. Synchronous clock pulse generator. 3,238,462, 3–1–66, Cl. 328—48.
Ballard, Charles U. Hydraulic power transmission. 3,258,-923, 7–5–66, Cl. 60—54.5.
Ballard, Darrell L., and H. Stratton, 33⅓% to Z. Waara. Coin counting and wrapping machine. 3,288,153, 11–29–66, Cl. 133—8.
Ballard, Delbert L., to Jonker Business Machines, Inc. Electronic logical sum, product and negation device for superimposable card system. 3,246,169, 4–12–66, Cl. 307—88.5.
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Rice, James R., and Ballard. 3,265,567.
Ballard, Donnell A., and J. R. Rice, to The Dow Chemical Co. Methods and compositions comprising 1-bromo-3-nitrobenzene for controlling marine organisms. 3,279,984, 10–18–66, Cl. 167—38.6.
Ballard, Edward C., and J. G. Burt, to E. I. du Pont de Nemours and Co. N-tertiary-alkyl alkanesulfonamides. 3,238,257, 3–1–66, Cl. 260—556.
Ballard, Edward C., and J. G. Burt, to E. I. du Pont de Nemours and Co. Fuels containing N-tertiary-alkyl alkanesulfonamides. 3,250,600, 5–10–66, Cl. 44—72.
Ballard, Henry D., Jr.: *See*—
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Ballard, James A.: *See*—
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Ballard, James L. Exhaust muffler pipe assembly. 3,292,731, 12–20–66, Cl. 181—36.
Ballard, James W., to Systems Research Laboratories, Inc. Ceramic diode pressure transducer and system. 3,244,000, 4–5–66, Cl. 73—178.
Ballard, Lee N., and W. A. Calhoun, to United States of America, Interior. Process for preparation of caustic-resistant containers for high-temperature use. 3,236,682, 2–22–66, Cl. 117—127.
Ballard, Samuel S.: *See*—
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Ballard, Thomas B. Pendular motion apparatus for solvent cleaning machine parts. 3,246,659, 4–19–66, Cl. 134—105.
Ballas, George C. Adjustable table. 3,246,612, 4–19–66, Cl. 108—6.
Ballast, Donald E.: *See*—
Anderson, Robert E., Ballast, and Ball. 3,278,462.
Ballato, Arthur D., to United States of America, Army. Variable delay line. 3,286,205, 11–15–66, Cl. 333—30.
Ballauer, Alb C., to R. J. Enstrom Corp. Rotor system utilizing centrifugal deflection of non-radial blades. 3,232,349, 2–1–66, Cl. 170—160.25.
Ballauer, Alb C., and R. J. Bretl, to R. J. Enstrom Corp. Spacer mounting apparatus for belt-drive engine installations. 3,253,474, 5–31–66, Cl. 74—228.
Ballentine, Earle W. Radiation and convection responsive thermostat. 3,271,545, 9–6–66, Cl. 200—138.
Ballestra, Mario. Sulphonation of alkylbenzenes in a continuous and successive manner. 3,243,453, 3–29–66, Cl. 260—505.
Ballinger, Edwin R., P. S. Harris, R. D. Hiebert, L. J. Carr, and J. H. Larkins, to United States of America, Atomic Energy Commission. Radiation dosimeter system using cadmium-backed copper foil. 3,230,369, 1–18–66, Cl. 250—83.1.
Ballinger, John G., to Honeywell Inc. Humidity sensing apparatus. 3,280,618, 10–25–66, Cl. 73—17.
Ballinger, Kenneth P., and E. G. Chapdelaine, to Conversion Chemical Corp. Solution and method for brightening cadmium. Re. 26,130, 12–27–66, Cl. 156—20.
Ballini, Giuliano, and A. Portolani, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Mixtures of an olefin copolymer of ethylene-propylene and ethylene-butene vulcanizable with an organic peroxide and of an unsaturated polyester, and elastomers obtained therefrom. 3,235,625, 2–15–66, Cl. 260—873.
Ballman, Albert A., R. C. Linares, Jr., and L. G. Van Uitert, to Bell Telephone Laboratories, Inc. Growth of beryl crystals. 3,234,135, 2–8–66, Cl. 252—62.5.
Ballman, Albert A., G. D. Boyd, and R. C. Miller, to Bell Telephone Laboratories, Inc. Nonlinear devices utilizing LiNbO. 3,262,058, 7–19–66, Cl. 330—4.5.
Ballman, Albert A., and S. P. S. Porto, to Bell Telephone Laboratories, Inc. Niobate maser materials and devices made therefrom. 3,289,100, 11–29–66, Cl. 331—94.5.
Ballman, Richard L., and A. W. Wotring, to Monsanto Co. Rheometer. 3,270,553, 9–6–66, Cl. 73—56.
Ballmer, James E., to Bausch & Lomb Inc. Fiber winding machine. 3,229,925, 1–18–66, Cl. 242—18.
Ballmer, James E., and G. J. Sheldon, to Bausch & Lomb Inc. Fiber control device. 3,244,383, 4–5–66, Cl. 242—149.
Ballo, James A., to Carnation Co. Modified crank drive for feed bar drive and wing drive. 3,288,095, 11–29–66, Cl. 113—113.
Ballou, Frank M., to Heinemann Electric Co. Circuit breaker for rectifier protection and an improved circuit arrangement of rectifiers and circuit breakers. 3,277,359, 10–4–66, Cl. 321—11.
Ballou, Harry G., to Superior Concrete Accessories, Inc. Dual anchoring insert for a tilt-up concrete slab or the like. 3,286,019, 2–22–66, Cl. 52—704.
Ballou, Richard P., to General Motors Corp. Dual mode indicator device. 3,238,518, 3–1–66, Cl. 340—181.
Ballu, Vincent P. M., to Societe Pour la Diffusion de Techniques Nouvelles et de Machinisme Agricole Par Abreviation Tecnoma. Sprayer assembly for the spray treatment of crops and the like. 3,269,657, 8–30–66, Cl. 239—77.
Bally, Adrianus P., and W. G. J. van Dijk, to Shell Oil Co. Selective hydrogen sulfide absorption. 3,266,866, 8–16–66, Cl. 23—2.
Balmer, Hansjorg, and R. J. Gasparac, to Nordberg Mfg. Co. Seal for gyratory crushers. 3,273,808, 9–20–66, Cl. 241—215.
Balmer, Richard C., to General Motors Corp. Governor system. 3,241,533, 3–22–66, Cl. 123—103.
Balmer, Thomas A., to Gulf Coast Machine & Supply Co. Sealing assembly. 3,291,490, 12–13–66, Cl. 277—21.
Balocca, Alfred E., to American Can Co. Method of making an easy-open fiber container. 3,252,385, 5–24–66, Cl. 93—36.
Balocca, Alfred E., and J. H. Groves, to American Can Co. Easy open container with reclosure. 3,231,078, 1–25–66, Cl. 206—46.
Balog, Michael J., to Pittsburgh Plate Glass Co. Automatic glass area measuring device. 3,264,878, 8–9–66, Cl. 73—432.
Balogh, Roy O., to McCabe-Powers Body Co. Earth drilling machinery. 3,292,715, 12–20–66, Cl. 173—12.
Balogh, Roy O., and R. G. Bakula, to McCabe-Powers Body Co. Portable derricks with adjustably mounted earth boring apparatus. 3,244,239, 4–5–66, Cl. 173—28.
Balogh, Roy O., and R. G. Bakula, to McCabe-Powers Body Co. Single boom derrick units. 3,273,466, 9–20–66, Cl. 91—420.
Balsiger, Harold E., to Landis Tool Co. Master cam actuator. 3,271,905, 9–13–66, Cl. 51—101.
Balsiger, Harold E., to Landis Tool Co. Precision spindle mounting. 3,285,679, 11–15–66, Cl. 308—121.
Balsiger, Rudolf, to Multanova AG. Electric circuit for eliminating misleading electric signals in an apparatus for measuring and recording the speed of vehicles and the like. 3,243,807, 3–29–66, Cl. 343—8.
Balster, Heinz W., to Rheinstahl Huttenwerke Aktiengesellschaft. Shaft type furnace for smelting scrap and producing steel. 3,232,595, 2–1–66, Cl. 266—25.
Baltacis, Eriks, to Osterreichische Studiengesellschaft fur Atomenergie Ges. m.b.H. Apparatus for determining short physical phenomena and arrangement for carrying out the method. 3,287,081, 11–22–66, Cl. 352—84.
Baltes, Josef, F. Weghorst, and Z. Makus, to Harburger Fettchemie Brinckman & Mergell G.m.b.H. Polyamides of polybasic araliphatic carboxylic acids. 3,271,431, 9–6–66, Cl. 260—404.5.
Baltes, Josef, F. Weghorst, and Z. Makus, to Harburger Fettchemie Brinckman & Mergell G.m.b.H. Process for the manufacture of polybasic araliphatic carboxylic acids and products thereof. 3,271,432, 9–6–66, Cl. 260—407.
Baltes, Josef, F. Weghorst, and Z. Makus, to Harburger Fettchemie Brinckman & Mergell G.m.b.H. Polyaddition products from polyamides of polybasic araliphatic carboxylic acids. 3,282,872, 11–1–66, Cl. 260—18.
Baltes, Josef, F. Weghorst, and Z. Makus, to Harburger Fettchemie Brinckman & Mergell G.m.b.H. Poly addition products of polybasic araliphatic carboxylic acids. 3,288,-730, 11–29–66, Cl. 260—2.5.
Balthrope, Otis C.: *See*—
Van Dyke, William E., and Balthrope. 3,251,520.
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Baltz, William. Self-feeding silo. 3,229,665, 1–18–66, Cl. 119—52.
Baltzer, Erich, to Hergeth K.G. Maschinenfabrik und Apparatebau. Process and apparatus for warping and sizing of short warp threads. 3,247,568, 4–26–66, Cl. 28—22.
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Balut, Ralph: *See*—
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Balut, Stephen. 3,261,377.
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Balwanz, William W., to United States of America, Navy. Method and apparatus for weeding the flame plasma of a rocket exhaust. 3,289,410, 12–6–66, Cl. 60—205.
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Fleck, Fritz, Balzer, and Aebli. 3,288,804.

Bambenek, Robert A., and E. J. Rollo, Jr., to General American Transportation Corp. Portable ventilators. 3,283,997, 11–8–66, Cl. 230—215.
Bamber, Alwin H.: *See*—
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Peasley, Howard P., and Bamford. 3,268,118.
Bamford, William P., K. E. Golding, and J. G. Morgan, to Libbey-Owens-Ford Glass Co. Automotive windows. 3,282,-014, 11–1–66, Cl. 52—627.
Bammesberger, Karl: *See*—
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Ban, Thomas E., to McDowell-Wellman Engineering Co. Method of indurating iron ore concentrates. 3,245,778, 4–12–66, Cl. 75—5.
Ban, Thomas E., to McDowell-Wellman Engineering Co. Recovery of steel and zinc from waste materials. 3,262,-771, 7–26–66, Cl. 75—11.
Ban, Thomas E., to McDowell-Wellman Engineering Co. Process for producing highly metallized pellets. 3,264,091, 8–2–66, Cl. 75—5.
Ban, Thomas E., to McDowell-Wellman Engineering Co. System for producing carbonized and metallized iron ore pellets. 3,264,092, 8–2–66, Cl. 75—5.
Banach, Frank G., to Zenith Radio Corp. Modulation signal distortion, compensating secrecy communication transmitter. 3,268,815, 8–23–66, Cl. 325—122.
Banas, Henry J., to Gould-National Batteries, Inc. Retaining member for storage battery electrodes. 3,253,954, 5–31–66, Cl. 136—54.
Banaszak, Lloyd J., to Honeywell Inc. Control apparatus. 3,289,978, 12–6–66, Cl. 244—43.
Banathy, Jeno D., to International Register Co. Timer adjusted oven thermostat. 3,286,924, 11–22–66, Cl. 236—46.
Banathy, Jeno D., and E. F. Condon, Jr., to International Register Co. Timer adjusted oven temperature control. 3,285,513, 11–15–66, Cl. 236—46.
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Banca, Maggio C., N. E. Engborg, and D. W. Fisher, to Barnes Engineering Co. Radiometer control means. 3,293,915, 12–27–66, Cl. 73—355.
Banche, Joe, and D. N. Ulry, to North American Aviation, Inc. Antenna reflector surface contour control. 3,239,839, 3–8–66, Cl. 343—915.
Bancroft, Charles. Rotary piston engine. 3,241,531, 3–22–66, Cl. 123—11.
Bancroft, Charles. Fluid displacement device. 3,285,503, 11–15–66, Cl. 230—187.
Bancroft, Dennison, N. Maropis, C. F. DePrisco, and W. C. Elmore, to Aeroprojects Inc. Method and apparatus for measurement of acoustic power transmission and impedance. 3,288,241, 11–29–66, Cl. 181—.5.
Bancroft, George H., and D. L. Stevenson, to Consolidated Vacuum Corp. Heater for a diffusion pump. 3,251,537, 5–17–66, Cl. 230—101.
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Lockwood, Russell C., Jr. 3,268,971.
Russo, Carl J., and Shattuck. 3,234,627.
Shattuck, Ewart H. 3,234,624.
Shattuck, Ewart H. 3,253,314.
Shattuck, Ewart H., Hall, and Ellsworth. 3,248,770.
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Bandag Inc.: *See*—
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Bandur, Anthony J. Resilient support for vehicles. 3,256,-006, 6–14–66, Cl. 267—64.
Banewicz, John J., G. R. Argue, and R. F. Stewart, to Self-Organizing Systems, Inc. Electrochemical coulometer and method. 3,275,903, 9–27–66, Cl. 317—231.
Banford, John A., and G. L. Reuter, to Richardson-Merrell Inc. Compositions for treating avian respiratory diseases and methods of using same. 3,268,404, 8–23–66, Cl. 167—531.
Bang, Jens, to General Electric Co. FM stereo receiver circuit using an averaging detection means. 3,258,540, 6–28–66, Cl. 179—15.
Bange, Glenn R., M. J. Jones, and H. F. Young, to Pfaudler Permutit Inc. Apparatus and method for healing glass lined pipe. 3,246,973, 4–19–66, Cl. 65—28.
Bangert, Charles, Jr., to General Electric Co. Circuit breaker load center. 3,263,132, 7–26–66, Cl. 317—119.
Bangert, Dr., & Theurer KG: *See*—
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Bangert, Ernest C., ½ to A. H. Lowers. Machine for separating the sheets of a manifold form. 3,268,188, 8–23–66, Cl. 225—101.
Bangert, Lothar, to Dr. Bangert & Theurer KG, and H. Finckh, and H. Wangner. Paper-making screen having at least its warp threads composed of phosphorous-bronze alloys. 3,279,899, 10–18–66, Cl. 29—183.
Bangert, Richard H., to The Bendix Corp. Oscillator with dual function isolation amplifier and frequency determining transistor. 3,260,960, 7–12–66, Cl. 331—65.
Bangerter, Kenneth R., O. M. Ulbing, and H. S. Bennett, to Ingersoll-Rand Co. Balancing hoist. 3,286,989, 11–22–66, Cl. 254—168.
Baniel, Avraham, A. Beer, L. M. Shorr, and E. Varshanyi, to Israel Mining Industries, Institute for Research and Development. Process for the manufacture of tetrabromoethane. 3,291,710, 12–13–66, Cl. 204—163.
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Banister, Ronald K., O. J. Johanson, W. E. Burley, and J. J. Boyce, to Banister Construction (1963) Ltd. Method and machine for coupling pipes. 3,241,224, 3–22–66, Cl. 29—429.
Bank of America National Trust and Savings Assn.: *See*—
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Campbell, Rouel R. 3,230,850.
Hearon, Guy H., and Campbell. 3,240,140.
Komitor, Seymour. 3,237,517.
Swanson, Frank B. 3,286,788.
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Bank of the Southwest National Association: *See*—
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McCollum, Burton, and Rowe. 3,242,459.
Bank, William. Sign letter constructions. 3,254,436, 6–7–66, Cl. 40—130.
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Promin, Robert M., and Bankauf. 3,272,315.
Banke, Henry C.: *See*—
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Banke, Henry S., to Helene Curtis Industries, Inc. Machine for assembling two-piece overcaps. 3,292,249, 12–20–66, Cl. 29—211.
Banker, Chester H.: *See*—
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Banker, Oscar H. Jet type portable inoculator. 3,292,621, 12–20–66, Cl. 128—173.
Banker, Oscar H. Power operated inoculator. 3,292,622, 12–20–66, Cl. 128—173.
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Banks, Allan P., to Distington Engineering Co. Ltd. Method of constructing a casting mould by determination of isothermal pattern. 3,274,652, 9–27–66, Cl. 22—193.
Banks, Arthur J., to Radio Corp. of America. Pulse distribution amplifier. 3,283,259, 11–1–66, Cl. 330—24.
Banks, Charles E.: *See*—
Beck, Timothy E. H., and Banks. 3,252,687.
Banks, Charles T., to Kimberly-Clark Corp. Paper folding machine. 3,229,974, 1–18–66, Cl. 270—78.
Banks, Charles T., to Kimberly-Clark Corp. Tying mechanism. 3,239,258, 3–8–66, Cl. 289—5.
Banks, David D.: *See*—
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Banks, John H.: *See*—
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Moore, Lorenzo D., and Banks. 3,246,064.
Banks, Letha E. Fitted bed sheet. 3,258,789, 7–5–66, Cl. 5—334.
Banks, Millard S. Compact article. 3,278,013, 10–11–66, Cl. 206—46.
Banks, Peter B., to English Electric Valve Co. Ltd. Method and apparatus for manufacturing thin glass films. 3,290,-132, 12–6–66, Cl. 65—32.
Banks, Robert L., to Phillips Petroleum Co. Olefin disproportionation. 3,261,879, 7–19–66, Cl. 260—683.
Banks, Robert R.: *See*—
Rendos, John J., and Banks. 3,273,379.
Banks, Ronald E.: *See*—
Haszeldine, Robert N., Banks, and Cheng. 3,235,561.
Haszeldine, Robert N., Banks, and Ginsberg. 3,232,946.
Haszeldine, Robert N., Banks, and Sutcliffe. 3,231,655.
Banks, Roy E.: *See*—
George, Elmer, and Banks. 3,253,293.
Banks, Sholom A., D. R. Hammel, and C. J. Jankowski, to Esso Research and Engineering Co. Butyl rubber compositions comprising methyl hydroxy stearate. 3,269,972, 8–30–66, Cl. 260—32.2.
Banks, William B., to Automation Products, Inc. Temperature compensating circuit. 3,270,274, 8–30–66, Cl. 323—68.

Banks, William B., to Automation Products, Inc. Pipe sampling apparatus. 3,276,264, 10–4–66, Cl. 73—422.
Banks, William B., to Automation Products, Inc. Apparatus for determining physical properties of materials. 3,282,084, 11–1–66, Cl. 73—32.
Banks, William B., to Automation Products Inc. Apparatus for measuring viscosity. 3,289,466, 12–6–66, Cl. 73—59.
Banks, William B., to Automation Products, Inc. Method of and apparatus for measuring viscosity. 3,292,422, 12–20–66, Cl. 73—59.
Banks, William B., to Automation Products, Inc. Method of and apparatus for measuring viscosity. 3,292,423, 12–20–
Banks, William P.: *See*—
Hutchinson, Merle, and Banks. 3,272,731.
Banks, William P., to Continental Oil Co. Methods and apparatus for anodic protection of vessels. 3,288,694, 11–29–66, Cl. 204—147.
Banks, William P., S. L. Holt, Jr., and R. L. Every, to Continental Oil Co. Measurement of sulfuric acid and oleum concentration. 3,294,652, 12–27–66, Cl. 204—1.
Bankston, Weldon S., to Hi-Shear Corp. Exploding bridgewire device. 3,277,824, 10–11–66, Cl. 102—28.
Bankston, Weldon S., Jr., to United States of America, Navy. Method of and apparatus for accelerating ions. 3,258,645, 6–28–66, Cl. 315—111.
Banner Co., The: *See*—
Fregeolle, Donat H. 3,226,954.
Fregeolle, Donat H. 3,274,801.
Fregeolle, Donat H., Dube, and Fregeolle. 3,247,685.
Fregeolle, Oscar. 3,273,359.
White, Harold, and Fregeolle. 3,226,956.
Banner, Joseph, to Anjac Mfg. Co. Latch for sliding screen door. 3,241,871, 3–22–66, Cl. 292—153.
Banner Metals, Inc.: *See*—
Wilson, James D. 3,232,442.
Wilson, James D. 3,275,188.
Banner Plastics Corp.: *See*—
Ketterer, Ernest E. 3,236,539.
Bannigan, John T., to North American Philips Co., Inc. Ion indicating device. 3,282,650, 11–1–66, Cl. 23—253.
Bannikov, Grigory K., G. G. Brusko, A. L. Livshits, and A. M. Sigariov. Method for producing graphite electrodes. 3,280,042, 10–18–66, Cl. 252—508.
Banning, Thomas A.: *See*—
Lytle, Chester W., Suhrke, and Bradley. 3,264,502.
Banning, Thomas A., Jr. Multiple supply, balanced valve, pressure reducing valves, and the like. 3,270,762, 9–6–66, Cl. 137—98.
Banning, Thomas A., Jr., and E. L. Ranseen, deceased (by A. J. Ranseen, executrix), to said T. A. Banning, Jr. Recording and playing-back television programs, by wide-band cross-scanning recordings. 3,271,514, 9–6–66, Cl. 178—6.6.
Bannister, Brian: *See*—
Argoudelis, Alexander D., and Bannister. 3,260,747.
Argoudelis, Alexander D., and Bannister. 3,260,749.
Argoudelis, Alexander D., and Bannister. 3,281,439.
Argoudelis, Alexander D., and Bannister. 3,288,820.
Bannister, Brian, and H. Hoeksema, to The Upjohn Co. 7-O-methyl-N-acyl-3,4-O-isopropylidene - 1 - deoxylincosamines. 3,255,174, 6–7–66, Cl. 260—210.
Bannister, Brian, to The Upjohn Co. Methyl N-acylthiolincosaminides. 3,255,176, 6–7–66, Cl. 260—210.
Bannister, Clyde E. Rotary drilling and borehole coring apparatus and method. 3,227,228, 1–4–66, Cl. 175—4.
Bannister, Clyde E. Coring device. 3,280,922, 10–25–66, Cl. 175—4.
Bannister, Richard N.: *See*—
Riley, Harry L., and Bannister. 3,260,677.
Bannon, Carl T., Jr., and R. W. Harding, to Ross Engineering Corp. Wire cutter. 3,247,745, 4–26–66, Cl. 83—323.
Bannon, Thomas W., to U.S. Industries, Inc. Gripping and releasing device for feed mechanisms. 3,233,750, 2–8–66, Cl. 214—1.
Bannon, Thomas W., to U.S. Industries, Inc. Apparatus for transferring a workpiece between stations. 3,233,751, 2–8–66, Cl. 214—1.
Banse, George, to National Mfg. Co. Structural bracket and method of making same. 3,256,030, 6–14–66, Cl. 287—20.94.
Banse, George, to National Mfg. Co. Automatic latch. 3,266,831, 8–16–66, Cl. 292—133.
Bantam-Lite, Inc.: *See*—
Schwartz, Sidney. 3,256,428.
Banthin, Clifford R.: *See*—
Stein, Wolfgang J., and Banthin. 3,228,464.
Banyard, Augustus W. H.: *See*—
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Banyu Pharmaceutical Co. Ltd.: *See*—
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Banziger, Ralph, and H. L. Newmark, to Hoffmann-La Roche Inc. Rodenticide comprising 3-[1'-(p-chlorophenyl)-propyl]-4-hydroxycoumarin and β-diethylaminoethyl diphenylpropylacetate. 3,260,645, 7–12–66, Cl. 167—46.
Bapseres, Pierre A., and M. Biensan, to Societe Nationale des Petroles d'Aquitaine. Process for preparing organic sulfides. 3,275,693, 9–27–66, Cl. 260—608.
Bapseres, Pierre, and M. Biensan, to Societe Nationale des Petroles d'Aquitaine. Process for the manufacture of organic disulphides. 3,277,180, 10–4–66, Cl. 260—608.
Baptie, Alexander L., to Microcard Corp. Holder for sheet microfilm. 3,264,770, 8–9–66, Cl. 40—158.
Baptie, Alexander L., and L. G. Miles, to Microcard Corp. Microphotographic apparatus. 3,261,259, 7–19–66, Cl. 88—24.
Bar-Giora, Ammon, to Yissum Research Development Co. Collapsible wall bracket for hanging clothes. 3,285,423, 11–15–66, Cl. 211—1.3.
Bär, Rudolf. Heavy duty compressor or pump. 3,228,588, 1–11–66, Cl. 230—15.
Bar, Rudolf. Gas turbine. 3,240,018, 3–15–66, Cl. 60—39.75.
Bär, Rudolf. Turboengine. 3,263,658, 8–2–66, Cl. 123—16.
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Bihlmaier, Oskar, and Bar. 3,267,273.
Barabas, John J., J. A. Brindisi, and A. F. Lenart, to Castro Convertible Corp. Convertible sofa-bed. 3,239,851, 3–15–66, Cl. 5—13.
Barabas, John J., J. A. Brindisi, and A. F. Lenart, to Castro Convertible Corp. Convertible sofa-bed. 3,239,852, 3–15–66, Cl. 5—13.
Baracket, Albert J., to Diamond Power Specialty Corp. Synchronizing signal generator control circuits. 3,256,390, 6–14–66, Cl. 178—69.5.
Baracket, Albert J., to Diamond Power Specialty Corp. Phase and amplitude equalizing amplifier for a television transmission system. 3,281,707, 10–25–66, Cl. 330—117.
Baracket, Albert J., to Diamond Power Specialty Corp. Synchronizing signal generator for multi-mode operation. 3,288,920, 11–29–66, Cl. 178—5.4.
Barak, Montefiore, K. Peters, and E. Jackson, to The Cloride Electrical Storage Co. Ltd. Method of and means for applying active material to the plates of electric accumulators. 3,228,796, 1–11–66, Cl. 136—67.
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Barakauskas, Edward J., and R. G. Holdbrook, to United States of America, Navy. Method of ejecting a missile from a launching tube. 3,262,272, 7–26–66, Cl. 60—30.05.
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Baram, Martin. Means to eject sludge from centrifugal separators. 3,281,068, 10–25–66, Cl. 233—20.
Baran, John S., to G. D. Searle & Co. D-ring lactams of 3-oxygenated estra-1,3,5 (10)-trienes and derivatives thereof. 3,257,412, 6–21–66, Cl. 260—326.1.
Baran, Joseph G., to Burgess-Day, Inc. Coin turning chute. 3,241,751, 3–22–66, Cl. 232—44.
Baranauckas, Charles F.: *See*—
Gordon, Irving, and Baranauckas. 3,261,890.
Baranauckas, Charles F., and I. Gordon, to Hooker Chemical Corp. Phosphorus polymers. 3,248,429, 4–26–66, Cl. 260—606.5.
Baranauckas, Charles F., and I. Gordon, to Hooker Chemical Corp. Tetrahalo bisphenol bisphosphites as heat stabilizers and flame retardants in resins. 3,254,050, 5–31–66, Cl. 260—45.7.
Baranauckas, Charles F., and I. Gordon, to Hooker Chemical Corp. Preparation of aryl phosphites. 3,287,449, 11–22–66, Cl. 260—975.
Baranauckas, Charles F., and J. J. Hodan, to Hooker Chemical Corp. Improved coating compositions containing as a leveling agent an organo phosphite composition. 3,290,264, 12–6–66, Cl. 260—28.5.
Baranczyk, James G. Dovetailing machine. 3,232,327, 2–1–66, Cl. 144—85.
Baranowski, Frank, Jr., to General Electric Co. Gearing arrangements. 3,229,540, 1–18–66, Cl. 74—354.
Baranowski, Frank, Jr., to General Electric Co. Slidewire device. 3,237,143, 2–22–66, Cl. 338—315.
Baranowski, Frank, Jr., to General Electric Co. Recording device. 3,281,090, 10–25–66, Cl. 242—67.3.
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Barany, Ernst H., and J. F. Miquel. Carboxylic acid esters. 3,237,200, 2–22–66, Cl. 260—479.
Barany, George, to Cambridge Filter Co. Pleated filter. 3,293,833, 12–27–66, Cl. 55—500.
Baratelli, Charles A., and S. Jonassen, to Renauld International Inc. Fisherman's goggle. 3,233,249, 2–8–66, Cl. 2—14.
Baratoff, Paul: *See*—
Kfoury, Nicholas F., Baratoff, and Mui. 3,250,508.
Baratoff, Paul, to Korfund Dynamics Corp. All-directional shock mount. 3,245,646, 4–12–66, Cl. 248—358.
Baratoff, Paul, to Korfund Dynamics Corp. All-directional shock mount. 3,263,954, 8–2–66, Cl. 248—358.
Baratoff, Paul, to Korfund Dynamics Corp. All-directional shock mount. 3,289,998, 12–6–66, Cl. 248—358.
Barbagallo, Charles J., and R. D. Pasciuto, to Honeywell Inc. Data transmission verifier. 3,240,920, 3–15–66, Cl. 235—153.
Barbano, Normand, to Sylvania Electric Products Inc. Log periodic antenna with parasitic elements interspersed in log periodic manner. 3,286,268, 11–15–66, Cl. 343—792.5.
Barbareschi, Carlo. Apparatus for removing solvent from a solution. 3,270,432, 9–6–66, Cl. 34—92.
Barben, Ian K., R. Budziarek, V. D. Poole, and C. V. Stead, to Imperial Chemical Industries Ltd. Quaternary hydrazino-substituted copper phthalocyanine dyestuffs. 3,239,536, 3–8–66, Cl. 260—314.5.

Barber, Alfred W. Complex wave generator. 3,245,001, 4–5–66, Cl. 331—52.
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Barber, Clifford C., to National Research Development Corp. Optical device for checking accuracy of shape. 3,230,629, 1–25–66, Cl. 33—174.
Barber, Clifford C., to National Research Development Corp. Optical device for checking accuracy of shape. 3,234,654, 2–15–66, Cl. 33—174.
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Carlson, Milton R. 3,284,721.
Crandall, Charles B. 3,239,154.
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Kennedy, Walter W. 3,276,348.
Kennedy, Walter W. 3,276,480.
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Pettit, Glenn A. 3,290,485.
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Barber, Donald R., to International Standard Electric Corp. Signal amplitude coders. 3,262,107, 7–19–66, Cl. 340—345.
Barber, Donald R., to International Standard Electric Corp. Magnetic core pulse circuit. 3,281,801, 10–25–66, Cl. 340—174.
Barber, Earnway A., B. H. Tubbs, and A. F. Roche, to The Dow Chemical Co. Compositions of alkenyl aromatic resins and diorganopolysiloxanes. 3,239,579, 3–8–66, Cl. 260—927.
Barber, Edgar A., to Newaygo Engineering Co. Switch for pneumatic conveyor. 3,281,093, 10–25–66, Cl. 243—29.
Barber, Esther. Waterproof garment. 3,268,914, 8–30–66, Cl. 2—227.
Barber, Franklin D., to Standard Car Truck Co. Side bearings assembly for railroad trucks. 3,255,712, 6–14–66, Cl. 105—199.
Barber, Franklin D., and C. J. W. Clasen, to Standard Car Truck Co. Resilient side bearings for railroad cars. 3,244,462, 4–5–66, Cl. 308—138.
Barber-Greene Co.: *See*—
Conger, Gerald A. 3,249,971.
Conger, Gerald A. 3,263,282.
Farnham, Robert E. 3,263,971.
Munyon, Julian M. 3,285,148.
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Barber, Jesse and J. R. Fertilizer distribution apparatus. 3,259,278, 7–5–66, Cl. 222—178.
Barber, John R., to Philco Corp. Antenna structure. 3,233,475, 2–8–66, Cl. 74—90.
Barber, Richard P., and J. D. Turner, to Burlington Industries, Inc. Continuous method of imparting wet and dry crease resistance to cellulosic materials through reaction with formaldehyde. 3,265,463, 8–9–66, Cl. 8—116.4.
Barber, Robert L., to Cameron Iron Works, Inc. Well completion. 3,239,246, 3–8–66, Cl. 285—23.
Barber, William A., to American Cyanamid Co. Process for preparing carbon electrode having noble metal thereon. 3,281,282, 10–25–66, Cl. 136—122.
Barbera, Edmund C. Inflatable articles. 3,283,799, 11–8–66, Cl. 152—338.
Barbera, Robert A. Automatic clock-calendar. 3,276,198, 10–4–66, Cl. 58—4.
Barbie, Helen C. Numismatist coin classifier. 3,238,953, 3–8–66, Cl. 133—3.
Barbier, Xavier N., and P. E. Boutmy, to Societe Anonyme de Telecommunications. Logarithmic pulse amplitude to time modulation converter. 3,281,610, 10–25–66, Cl. 307—88.5.
Barbieri, Sigisfredo, to Durst A.G. Fabrik Fototechnischer Apparate. Focusing device for a photographic enlarger. 3,244,068, 4–5–66, Cl. 88—24.
Barbini, Spartacus, to Compagnie Generale D'Electricite. Triggering device for spark-gap comprising and destructible shield. 3,295,011, 12–27–66, Cl. 315—149.
Barbini, Spartacus, to Compagnie Generale D'Electricite. Triggering device for spark-gap and road focusing means. 3,295,012, 12–27–66, Cl. 315—152.
Barbour, John H. Liquid detergent. 3,287,277, 11–22–66, Cl. 252—106.
Barbour, Marshall S.: *See*—
Hoge, William H., and Barbour. 3,247,006.
Barbour, Robert E.: *See*—
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Barbour, Robert E., and J. Braden, to Pako Corp. Device and method for controlling exposure in a photographic color printer. 3,241,441, 3–22–66, Cl. 88—24.
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Shea, Francis L. 3,276,056.
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Barcaro, Eugene B., to Sperry Rand Corp. Tape cleaning means. 3,266,196, 8–16–66, Cl. 51—135.
Barcaskey, Frank L. Hair clipper, vacuum aided and cable driven. 3,273,237, 9–20–66, Cl. 30—133.
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Barcia, Casper L., to International Business Machines Corp. Record transport device. 3,293,414, 12–20–66, Cl. 235—61.11.
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Barcomb, James G., and E. T. Kozol, to International Business Machines Corp. Transistor long line driver-terminator. 3,254,237, 5–31–66, Cl. 307—88.5.
Barczak, Virgil J.: *See*—
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Barday, Donald J. Method and apparatus for chilling liquid. 3,280,592, 10–25–66, Cl. 62—399.
Bardell, Paul H., Jr., to International Business Machines Corp. Asynchronous data processing circuits. 3,241,122, 3–15–66, Cl. 340—172.5.
Barden, Wayne A., and C. C. Synder, to CTS Corp. Variable resistance control. 3,237,140, 2–22–66, Cl. 338—164.
Barditch, Irving F., and R. Bento, to Westinghouse Electric Corp. Amplifier including a common emitter and common collector transistor providing regenerative feedback. 3,244,995, 4–5–66, Cl. 330—19.
Bardocz, Arpad. Electronically controlled spectroscopic high voltage spark source. 3,234,431, 2–8–66, Cl. 315—232.
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Bardos, Thomas J., to Armour Pharmaceutical Co. Treatment to obtain oncostasis. 3,266,993, 8–16–66, Cl. 167—85.
Bardwell, Francis G., to Stewart-Warner Corp. Motor braking circuit. 3,253,203, 5–24–66, Cl. 318—252.
Bardwell, Francis G., and F. Brouwer, to Stewart-Warner Corp. Automatic contour tracer progamming apparatus and methods. 3,289,540, 12–6–66, Cl. 90—13.5.
Bardy, Dean C., to The Lubrizol Corp. Metering valve for hydraulic valve lifter. 3,280,807, 10–25–66, Cl. 123—90.
Bardy, Peter J., to Spiral Binding Co., Inc. Binding methods and apparatus. 3,280,240, 10–18–66, Cl. 264—242.
Bardy, Peter J., J. F. Reader, and G. W. Welsh, to American Machine & Foundry Co. Automatic food storing and dispensing apparatus. 3,237,804, 3–1–66, Cl. 221—81.
Barecki, Chester J.: *See*—
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Barecki, Chester J., and R. T. Knapp, to American Seating Co. Adjustable back lounge chair. 3,272,555, 9–13–66, Cl. 297—369.
Barecki, Chester J., and J. R. Shore, to American Seating Co. Horizontal kneeler. 3,287,065, 11–22–66, Cl. 297—426.
Barecki, Chester J., and R. L. Knapp, to American Seating Co. Lift leg structure. 3,290,700, 12–13–66, Cl. 5—63.
Bareham, William C.: *See*—
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Bareis, David W.: *See*—
Levin, Harry, Bareis, and Bitterly. 3,264,473.
Barenok, Paul R.: *See*—
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Barenyi, Bela, to Daimler-Benz Aktiengesellschaft. Vehicle top structure. 3,233,937, 2–8–66, Cl. 296—137.
Barenyi, Bela, and H. Haselmann, to Daimler-Benz Aktiengesellschaft. Windshield wiper arrangement. 3,264,670, 8–9–66, Cl. 15—250.27.
Baresch, Charles A. Buckle assembly. 3,253,309, 5–31–66, Cl. 24—170.
Barford, John C., M. A. R. Point, and G. Nicolas, to Sames, Societe Anonyme de Machines Electrostatiques. Electrostatic transfer method and apparatus for coating articles with a fluidized composition. 3,248,253, 4–26–66, Cl. 117—17.
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Bargel, Gunter, to Holstein & Kappert. Apparatus for handling bottles and similar containers. 3,270,859, 9–6–66, Cl. 198—110.
Bargen, David W., and B. O. Van Ness, to Motorola, Inc. Saturable reactor voltage control circuit. 3,263,158, 7–26–66, Cl. 323—44.
Barger, Bion D., Jr., W. W. Sanders, and J. F. Vanecek, to Standard Oil Co. Combination process of hydrocracking and isomerization fo hydrocarbons with the addition of olefins in the isomerization zone. 3,248,316, 4–26–66, Cl. 208—58.

Barger, Charles H.: *See*—
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Barger, John W., and W. J. Haggerty, Jr., to the State of Nebraska, Department of Agriculture and Inspection. Amylosic films and method of making the same. 3,243,308, 3–29–66, Cl. 106—213.

Barger, Lloyd D. Adjustable liquid metering device having a fluid container subjected to intermittent internal pressures different from that of atmospheric pressure. 3,254,805, 6–7–66, Cl. 222—205.

Barger, Lloyd D. Means for exiting a fluid from a compartment. 3,282,293, 11–1–66, Cl. 137—614.19.

Bargero, Camillo. Opposed cylinder variable piston stroke internal combustion engine. 3,267,917, 8–23–66, Cl. 123—56.

Bargmann, Richard, to Hoerbiger Venitilwerke Aktiengesellschaft. Infinitely variable capacity control system for compressors and device for stepless regulating according to this system. 3,255,955, 6–14–66, Cl. 230—31.

Barham, James G. Agricultural computer. 3,231,189, 1–25–66, Cl. 235—78.

Barhite, Robert, to Union Carbide Corp. Uncompacted filler batts. 3,278,954, 10–18–66, Cl. 5—355.

Baribo, Lester E., M. W. Porter, A. W. Turner, and K. N. Wright, to A. E. Staley Mfg. Co. Molasses feed blocks and method of preparation and use. 3,246,336, 4–12–66, Cl. 99—6.

Baricevic, Ferdinand P., and J. J. Saul, to Reliable Electric Co. Wire gripping device. 3,241,204, 3–22–66, Cl. 24—126.

Baringer, Berlyn E., M. A. Hole, and J. A. Huber, to Collfeed Systems, Inc. Micro-feed adjusting mechanism. 3,244,-023, 4–5–66, Cl. 74—600.

Baringer, Berlyn E., M. A. Hole, and J. A. Huber, to Collfeed Systems, Inc. Multiple speed drive means for strip stock feeding apparatus. 3,281,041, 10–25–66, Cl. 226—115.

Barish, Emil, B. B. Rutkin, and J. A. Witt. Joint structure. 3,240,516, 3–15–66, Cl. 287—12.

Barish, Emil Z., B. B. Rutkin, and J. A. Witt. Ball joint structure. 3,278,207, 10–11–66, Cl. 287—12.

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Barkan, Philip, to General Electric Co. Gas blast circuit breaker of the axial blast-type with means for injecting a high velocity gas jet. 3,270,173, 8–30–66, Cl. 200—148.

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Barkelew Electric Mfg. Co., The: *See*—
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Barkemeyer, Henry R., W. J. McAleer, and P. I. Pollak, to Merck & Co., Inc. Apparatus for the preparation of semiconductor material. 3,231,337, 1–25–66, Cl. 23—277.

Barker, A. G., & Associates Pty. Ltd.: *See*—
Barker, Alan G. 3,243,999.

Barker, Allan: *See*—
Ackroyd, Ronald T., Barker, Erskine, and Perks. 3,287,225.
Ackroyd, Ronald T., Perks, Mann, and Barker. 3,287,227.

Barker, Alan G., to A. G. Barker & Associates Pty. Ltd. Rain and like precipitation gauges. 3,243,999, 4–5–66, Cl. 73—171.

Barker Chemical Co.: *See*—
Brzuskiewicz, John, Lo Presti, and Ridenour. 3,273,532.

Barker, Donald E. Automobile head rest or the like. 3,254,-918, 6–7–66, Cl. 297—397.

Barker, Donald E. Head rest for motor vehicles. 3,271,072, 9–6–66, Cl. 297—397.

Barker, George E., to Van Straaten Chemical Co. Treatment of metalworking fluids. 3,264,055, 8–2–66, Cl. 21—54.

Barker, Harold D., and T. S. Stafford, to International Business Machines Corp. Multiple rate data system. 3,229,259, 1–11–66, Cl. 340—172.5.

Barker, Joan, and O. C. Prickett. Hydrotherapeutic apparatus. 3,233,252, 2–8–66, Cl. 4—182.

Barker, John B., and G. R. Dence, to Richards Structural Steel Co. Ltd. Motor driven rotary dispensing valve. 3,260,-420, 7–12–66, Cl. 222—333.

Barker, John L., to Laboratory for Electronics, Inc. Traffic monitoring and control system. 3,237,154, 2–22–66, Cl. 340—38.

Barker, John L., to Laboratory for Electronics, Inc. Traffic density computer. 3,239,653, 3–8–66, Cl. 235—150.24.

Barker, John L., to Laboratory for Electronics, Inc. Traffic monitoring and control system. 3,275,984, 9–27–66, Cl. 340—31.

Barker, La Var H.: *See*—
Renn, Charles W., Barker, and Horak. 3,290,684.

Barker, Michael D., and G. A. Somerfield, to Glaxo Laboratories Ltd. Derivatives of cephalosporin C and their synthesis. 3,274,186, 9–20–66, Cl. 260—243.

Barker, Perry S.: *See*—
Hawkins, Roy E., and Barker. 3,262,181.

Barker, Peter E., and L. N. Wright, to North American Aviation, Inc. Pressure sensor. 3,240,207, 3–15–66, Cl. 128—2.05.

Barker Poultry Equipment Co.: *See*—
Reading, Walter J., and Keser. 3,266,586.

Barker, Randolph G. Terminal. 3,237,146, 2–22–66, Cl. 339—14.

Barker, Robert A., and J. W. Shank, to Eltra Corp. Resistor ignition lead. 3,284,751, 11–8–66, Cl. 333—66.

Barker, Robert A., and H. F. Pratt, to United Shoe Machinery Corp. Frozen food indicators. 3,291,617, 12–13–66, Cl. 99—192.

Barker, Robert S.: *See*—
Saffer, Alfred, and Barker. 3,247,249.

Barker, Robert S., to Halcon International, Inc. Process for preparing cyclohexylamines. 3,239,562, 3–8–66, Cl. 260—563.

Barker, Robert S., to Halcon International, Inc. Bromine catalyzed isomerization of maleic acid to fumaric acid in the presence of a peroxide. 3,262,972, 7–26–66, Cl. 260—537.

Barker, Robert S., to Halcon International Inc. Oxidation catalyst comprising the oxides of copper, chromium, and molybdenum. 3,265,635, 8–9–66, Cl. 252—437.

Barker, Robert S., to Halcon International, Inc. Preparation of aminated benzenes from hydroxy benzenes. 3,272,865, 9–13–66, Cl. 260—581.

Barker, Robert S., and M. A. Cohen, to Halcon International, Inc. Adipic acid production by the two step oxidation of cyclohexane with oxygen. 3,234,271, 2–8–66, Cl. 260—531.

Barker, Ronald A. Layout instrument. 3,269,015, 8–30–66, Cl. 33—27.

Barker, Sydney A.: *See*—
Stacey, Maurice, Barker, Pardoe, and Hopton. 3,259,550.

Barker, William C., to The Aerospace Corp. Radar camouflage arrangement. 3,233,238, 2–1–66, Cl. 343—18.

Barker, William E. Jr., to Brun Corp. Apparatus for measuring and recording basis weight of paper and the like. 3,228,282, 1–11–66, Cl. 88—14.

Barkes, Ralph L., to Trak Microwave Corp. Microwave variable tuned oscillator. 3,278,863, 10–11–66, Cl. 332—30.

Barkes, Ralph L., to Trak Microwave Corp. Harmonic generator. 3,286,156, 11–15–66, Cl. 321—69.

Barkes, Ralph L., to Trak Microwave Corp. Electronically tuned oscillator. 3,286,194, 11–15–66, Cl. 331—97.

Barkhuff, Raymond A., Jr.: *See*—
Nemphos, Speros P., and Barkhuff, 3,236,681.

Barkis, Edward, and A. D. Collevechio, to Avisun Corp. Coating composition for a flexible base sheet and a method of preparing the same. 3,277,040, 10–4–66, Cl. 260—29.6.

Barkis, Edward, and J. C. Chu, to Avisun Corp. Biaxially oriented ethylene polymer coated polypropylene sheet and method for making same. 3,285,766, 11–15–66, Cl. 117—7.

Barkley, Byron F., and W. H. Kibbie. Machine for tensioning electrical power lines. 3,232,558, 2–1–66, Cl. 242—155.

Barkley & Dexter Inc.: *See*—
Dexter, Robert G. 3,263,390.

Barkley, William C. Apparatus for inverting articles. 3,280,-995, 10–25–66, Cl. 214—301.

Barkman, Erik F., to Reynolds Metals Co. Sealing and inhibiting corrosion of anodized aluminum. 3,257,244, 6–21–66, Cl. 148—6.2.

Barkowitz, Harold: *See*—
Liebmann, Jack S., Memole, and Barkowitz. 3,270,442.

Barksdale Valves: *See*—
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Barley, Leo D., to Harris-Intertype Corp. High speed reverse for back gage. 3,236,131, 2–22–66, Cl. 83—71.

Barley, Leo D., to Harris-Intertype Corp. Adjustable knife and clamp assembly. 3,272,050, 9–13–66, Cl. 83—390.

Barlow, Boris V., to S. Smith & Sons (England) Ltd. Synchronous electric motor with an inertia flywheel and a unidirectional starter. 3,284,649, 11–8–66, Cl. 310—41.

Barlow, Boris V., to S. Smith & Sons (England) Ltd. Horological instruments. 3,286,456, 11–22–66, Cl. 58—85.5.

Barlow, Conrad R., to Transland Aircraft, Inc. Air stream driven pumping system. 3,275,198, 9–27–66, Cl. 222—310.

Barlow, Conrad R., to Hi-Shear Corp. Coupling. 3,278,205, 10–11–66, Cl. 285—311.

Barlow Controls, Inc.: *See*—
Dresser, W. Robert. 3,275,888.
Dresser, W. Robert. 3,293,519.

Barlow, David O., to E. I. du Pont de Nemours and Co. Extraction method for recovering amine oxide salts from aqueous solutions. 3,275,673, 9–27–66, Cl. 260—459.

Barlow, Donald W.: *See*—
Savage, Harry A. 3,267,959.
Savage, Harry A. 3,282,513.
Savage, Harry A. 3,286,933.

Barlow, Gordon A.: *See*—
Glass, Marvin I., Barlow, and Meyer. 3,290,979.

Barlow, James E., to Western Electric Co., Inc. Wiping contact switch. 3,294,932, 12–27–66, Cl. 200—68.

Barlow, James L.: *See*—
Boadway, John D., and Barlow. 3,257,784.

Barlow, Paul D., to Monsanto Co. Level sensing apparatus. 3,279,252, 10–18–66, Cl. 73—295.

Barlow, Wayne K., and J. F. Middaugh, to Eitel-McCullough, Inc. Damping means for shafts. 3,227,976, 1–4–66, Cl. 333—83.

Barltrop, Richard K., to Elliott Bros. (London) Ltd. Parallel redundant hydraulic actuator. 3,242,822, 3–29–66, Cl. 91—173.

Barmatic Machines, Inc.: *See*—
Korecky, Allan J. 3,290,074.

Barmer Maschinenfabrik Aktiengesellschaft: *See*—
Jung, Reinhold, and Albrecht. 3,262,156.
Schippers, Heinz, Bauer, and Turk. 3,286,941.
Schippers, Heinz, and Lenk. 3,279,711.

Barmherzig, Samuel. Beverage container with drinking straw. 3,268,792, 8–23–66, Cl. 220—90.2.

Barnabas, Bentley. Dexterity testing apparatus. 3,276,149, 10–4–66, Cl. 35—22.

Barnard, Cecil P., and D. H. Heiser, to International Business Machines Corp. Data recording system. 3,264,453, 8–2–66, Cl. 235—61.114.

Barnard, Charles F. Well tools. 3,273,648, 9–20–66, Cl. 166—175.

Barnard, Dale, to Glass-Tite Industries, Inc. Machine for welding articles of manufacture. 3,293,743, 12–27–66, Cl. 29—563.

Barnard, Monroe G., W. J. Hanson, and L. N. Varholak, to Pitney-Bowes, Inc. Mail handling device. 3,236,355, 2–22–66, Cl. 198—30.

Barnard, Monroe G., W. J. Hanson, and L. N. Varholak, to Pitney-Bowes, Inc. Mail assorting device. 3,279,598, 10–18–66, Cl. 209—72.

Barnard, Richard P., to Teleflex, Inc. Flexible control. 3,238,808, 3–8–66, Cl. 74—501.

Barnard, Robert D., and R. H. Meyer, to The Dow Chemical Co. Countercurrent washing of sodium hydroxide from a salt slurry. 3,278,275, 10–11–66, Cl. 23—312.

Barnard, Walter C., and I. G. Dutcher, to Whirlpool Corp. Dispensing apparatus. 3,262,604, 7–26–66, Cl. 222—76.

Barnard, Walter C., and I. G. Dutcher, to Whirlpool Corp. Door construction. 3,294,461, 12–27–66, Cl. 312—218.

Barnartt, Sidney: *See*—
Langer, Alois, Pantier, and Barnartt. 3,262,815.

Barnas, Eugene F., to Velsicol Chemical Corp. 2-methoxy-3,6-dichlorothiobenzoic acid esters. 3,282,977, 11–1–66, Cl. 260—455.

Barnas, Eugene F., and S. B. Richter, to Velsicol Chemical Corp. Bis-(carbamyl) alkyl esters of phosphorus acids. 3,278,647, 10–11–66, Cl. 260—940.

Barnas, Eugene F., and S. B. Richter, to Velsicol Chemical Corp. O,O-dimethylphosphorodithio succinamide. 3,278,-649, 10–11–66, Cl. 260—942.

Barnas, Eugene F., and S. B. Richter, to Velsicol Chemical Corp. O,O-dimethylphosphorodithio succinamide. 3,278,-650, 10–11–66, Cl. 260—942.

Barnas, Eugene F., and S. B. Richter, to Velsicol Chemical Corp. O,O-dimethylphosphorodithio succinamide. 3,278,-651, 10–11–66, Cl. 260—942.

Barnas, Eugene F., and S. B. Richter, to Velsicol Chemical Corp. Bis-(carbamyl) alkyl esters of phosphorus acids. 3,278,652, 10–11–66, Cl. 260—942.

Barnas, Eugene F., and S. B. Richter, to Velsicol Chemical Corp. Bis-(carbamyl) alkyl amides of phosphorus acid ester. 3,280,225, 10–18–66, Cl. 260—940.

Barnas, Eugene F., and S. B. Richter, to Velsicol Chemical Corp. Bis-(carbamyl) alkyl amides of phosphorus acid ester. 3,280,226, 10–18–66, Cl. 260—942.

Barnaulijsky Nauchno-Issledovatelsky Institute Textilnoi Promyshlennosti: *See*—
Bakharev, Eduard V., and Goloobev. 3,252,185.

Barnby, Herbert A., to Owens-Illinois Glass Co. Liquid nourishment dispensing package. 3,266,910, 8–16–66, Cl. 99—171.

Barnby, Herbert A., to Owens-Illinois, Inc. Liquid baby food package and nurser assembly. 3,276,884, 10–4–66, Cl. 99—171.

Barnes, Albert K. Safety stepladder. 3,288,247, 11–29–66, Cl. 182—106.

Barnes, Arthur M., Jr. Production of animated pictures. 3,288,548, 11–29–66, Cl. 352—87.

Barnes, Bentley T., to General Electric Co. Cathodic glow gaseous discharge device. 3,237,041, 2–22–66, Cl. 313—185.

Barnes, Charles H. Special purpose vehicles. 3,233,765, 2–8–66, Cl. 214—500.

Barnes, Charles M.: *See*—
Larsen, Lester J., Barnes, and Worts. 3,260,165.

Barnes, Charles R., and C. R. Geesner, to United States of America, Air Force. Deposition of nickel films on the interior surface of polytetrafluorethylene tubing. 3,294,059, 12–27–66, Cl. 118—49.5.

Barnes, Charles R., and C. R. Geesner, to United States of America, Air Force. Vapor plating copper. 3,294,575, 12–27–66, Cl. 117—95.

Barnes, Chester L., to L.P.T. Systems, Inc. Combination switch and bulb mounting. 3,248,494, 4–26–66, Cl. 200—51.

Barnes, Donald E., to General Foods Corp. Easy open and reclosable carton. 3,270,941, 9–6–66, Cl. 229—17.

Barnes Drill Co.: *See*—
Estabrook, Mark R. 3,232,008.
Greenberg, Donald K. 3,286,409.

Barnes Engineering Co.: *See*—
Astheimer, Robert W. 3,242,485.
Astheimer, Robert W. 3,256,435.
Astheimer, Robert W. 3,272,013.
Banca, Maggio C., Engborg, and Fisher. 3,293,915.
Barnes, Robert B. 3,245,402.
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Barnes, Robert B. 3,287,559.
Chou, Wayne W. 3,233,121.
Chou, Wayne W., Passaro, and Fisher. 3,281,073.
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Barnes Engineering Co.: *See*—Continued
Falk, Thomas. 3,238,383.
Falk, Thomas. 3,254,307.
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Guarnieri, Robert J. 3,267,403.
Hall, Richard W., and Engel. 3,235,974.
Johnson, Norman J. 3,243,604.
Johnson, Norman J., and Merlen. 3,238,393.
Johnson, Norman J., and Polk. 3,251,996.
Lowenstein, Mark G., and Kruse. 3,281,766.
McHenry, Thomas F. 3,244,885.
Merlen, Monty M., and Johnson. 3,277,311.
Moffitt, Guy R., Jr., and Weiss. 3,275,833.
Norton, Bruce. 3,255,054.
Schwarz, Frank. 3,258,705.
Schwarz, Frank. 3,273,395.
Schwarz, Frank, and Banca. 3,283,148.
Schwarz, Frank, and Choo. 3,287,120.
Sherman, Bennett, and Katona. 3,240,111.
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Wilks, Paul A., Jr. 3,279,307.
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Barnes, Frank A. Shotgun sight. 3,264,771, 8–9–66, Cl. 42—76.

Barnes, George H.: *See*—
Bacon, James R., and Barnes. 3,289,010.

Barnes, George H., and P. Winsor III, to Burroughs Corp. Shift register employing energy transfer between capacitor and inductor means to effect shift. 3,253,162, 5–24–66, Cl. 307—88.5.

Barnes, Gerald L., to United States Rubber Co. Production of sprayed polyurethane film. 3,281,396, 10–25–66, Cl. 260—75.

Barnes, Gerald L., and J. S. Bruner, to United States Rubber Co. Rotational molding method. 3,293,344, 12–20–66, Cl. 264—302.

Barnes, Gordon L., J. R. Greaves, J. L. Toepfer, and M. A. Muscatell, to International Business Machines Corp. Memory expansion. 3,292,151, 12–13–66, Cl. 340—172.5.

Barnes, Harry M.: *See*—
Mitchell, William A., Barnes, and Schwartsberg. 3,255,-600.

Barnes, Harry T., to Braco Equipment Co. Pavement breaker. 3,236,314, 2–22–66, Cl. 173—37.

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Hungerford, Richard C., and Brown. 3,279,482.

Barnes-Hind Pharmaceuticals, Inc.: *See*—
Krezanoski, Joseph Z. 3,265,571.
Stark, Marvin M. 3,279,068.

Barnes, Howard E.: *See*—
Buchanan, Chester L., Gennari, Barnes, and Brundage. 3,266,323.

Barnes, James C.: *See*—
Clemence, Charles R., Brown, Barnes, and Robinson. 3,286,265.

Barnes, James C., to National Research Council. Spring biased actuator to move radar reflector from stowed to operative position. 3,286,266, 11–15–66, Cl. 343—761.

Barnes, James W.: *See*—
Frakes, Sidney, and Barnes. 3,278,803.

Barnes, Jeffery W., to Ferranti, Ltd. Gyro-vertical apparatus. 3,272,019, 9–13–66, Cl. 74—5.43.

Barnes, Jocelyn T., to Lexa Lite Corp. Outdoor lighting equipment. 3,284,625, 11–8–66, Cl. 240—25.

Barnes, John A., to Power Jets (Research & Development) Ltd. Pressure exchanger plant. 3,232,334, 2–1–66, Cl. 165—7.

Barnes, John C., Jr., and G. C. Beason, to The National Cash Register Co. Totalizer selecting control. 3,279,694, 10–18–66, Cl. 235—60.48.

Barnes, John W.: *See*—
Connors, James J. Jr., and Barnes. 3,287,562.

Barnes, Keith A., to Radio Corp. of America. Method of fabricating a cathode ray tube. 3,280,600, 1–25–66, Cl. 29—25.13.

Barnes, Leslie: *See*—
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Barnes, Llewellyn T. Variable capacitor. 3,230,430, 1–18–66, Cl. 317—249.

Barnes, Llewellyn T. Carburetor. 3,281,132, 10–25–66, Cl. 261—50.

Barnes, Loyd A., to Continental Oil Co. Refrigerant flow control means. 3,293,877, 12–27–66, Cl. 62—223.

Barnes, Lyle K., to The Haya Corp. Gas sampling device. 3,289,481, 12–6–66, Cl. 73—421.5.

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Page, Oswald V. 3,267,868.

Barnes, Marion D: *See*—
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Barnes, Marion D., and A. V. Tobolsky, to Research Corp. Compositions containing elemental sulphur. 3,290,266, 12–6–66, Cl. 260—30.8.

Barnes, Philip E.: *See*—
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Barnes, Ralph G. Vibrator. 3,283,598, 11–8–66, Cl. 74—87.

Barnes, Randall C. Powdered food dispenser. 3,254,802, 6–7–66, Cl. 222—181.

Barnes, Raymond C.: *See*—
Durfee, Sidney A., Culwell, and Barnes. 3,276,818.

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Barnes, Robert B., to Barnes Engineering Co. Process of diagnosis by infrared thermography. 3,245,402, 4–12–66, Cl. 128—2.

Barnes, Robert B., to Barnes Engineering Co. Method of measuring body temperature. 3,282,106, 11–1–66, Cl. 73—355.

Barnes, Robert B., to Barnes Engineering Co. Infrared thermogram camera and scanning means therefor. 3,287,559, 11–22–66, Cl. 250—65.

Barnes, Robert H., to Pharmaseal Laboratories. Machine for orienting small parts. 3,260,347, 7–12–66, Cl. 198—33.

Barnes, Robert L.: *See*—
Wartik, Thomas, and Barnes. 3,288,828.

Barnes, Robert L., and R. L. Dinsmore, to Richfield Oil Corp. Supersonic jet fuel and method using isoparaffinic hydrocarbons and polycyclic hydrocarbons prepared from aromatic fractions. Re. 26,116, 11–22–66, Cl. 60—208.

Barnes, Robert O.: *See*—
Newell, John F., and Barnes. 3,248,837.

Barnes, Robert W.: *See*—
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Barnes, Sidney C.: *See*—
Schwab, Marvin H., and Barnes. 3,243,204.

Barnes, Walthew T.: *See*—
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Barnes, Wendell A., and N. Y. Franke, to Gulf Research & Development Co. Vinyl chloride polymers stabilized with mixtures of 4,4'-methylene bis O-cresol and O-cresol formaldehyde polymer. 3,245,943, 4–12–66, Cl. 260—31.8.

Barnes, William E. Means for skimming debris from the surface of swimming pools. 3,235,885, 2–22–66, Cl. 4—172.

Barnes, William I.: *See*—
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Barnet, Peter A., and V. E. Vickers, to The General Electric Co. Ltd. Methods of resistance welding for use, for example, in the manufacture of electronic assemblies. 3,231,710, 1–25–66, Cl. 219—91.

Barnett, Charles H., to The Foundry Equipment Co. Apparatus for conditioning ingot mould molds and the like. 3,249,348, 5–3–66, Cl. 263—40.

Barnett, David L.: *See*—
Bozarth, Charles E., Barnett, and Reed. 3,281,194.

Barnett. Don C.: *See*—
Merrill, Phillip E., Barnett, and Plasko. 3,291,945.

Barnett, Douglas, and D. L. Brook, to S. G. Brown Ltd. Gyroscopic compasses. 3,274,696, 9–27–66, Cl. 33—226.

Barnett, Edward J. Conic tool guide. 3,269,016, 8–30–66, Cl. 33—27.

Barnett, Ernest E., to Myers Industries, Inc. Tire patch. 3,282,319, 11–1–66, Cl. 152—367.

Barnett, Eugene J., to Westinghouse Electric Corp. Built-in oven. 3,270,736, 9–6–66, Cl. 126—19.

Barnett, Eugene R., and W. L. Power unit. 3,279,447, 10–18–66, Cl. 123—119.

Barnett, Foresh H. Refuse collecting vehicle. 3,239,084, 3–8–66, Cl. 214—303.

Barnett, Gordon D., and A. Miller, to North American Aviation, Inc. Chemical etching of tungsten. 3,232,803, 2–1–66, Cl. 156—18.

Barnett, Irvin: *See*—
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Barnett, Irvin, to Johns-Manville Corp. Apparatus for extruding molding compound containing fiber. 3,241,184, 3–22–66, Cl. 18—12.

Barnett, Joel M.: *See*—
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Barnett, John D., and H. T. Hall. High pressure-high temperature X-ray diffraction apparatus. 3,249,753, 5–3–66, Cl. 250—51.5.

Barnett, Louis H., W. R. Cropley, and A. H. Moore, to Research & Development Co. Multiple nozzle arrangement for molding machines. 3,238,568, 3–8–66, Cl. 18—30.

Barnett, Merritt W. Trailer anchor. 3,238,678, 3–8–66, Cl. 52—155.

Barnett, Richard D., and W. J. Rea, to Western Electric Co., Inc. Apparatus for detecting a substantially depleted or missing binder thread condition. 3,282,037, 11–1–66, Cl. 57—18.

Barnett, Robert E., and J. M. Dines, to The Eagle-Picher Co. Battery grid. 3,275,473, 9–27–66, Cl. 136—64.

Barnett, Willard L.: *See*—
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Barnette, Stanley R. Plastic articles having isotropic properties and methods of making same. 3,257,484, 6–21–66, Cl. 264—47.

Barney, Arthur L., to E. I. du Pont de Nemours and Co. Process and catalyst for the polymerization of olefins. 3,234,383. 2–8–66, Cl. 260—80.5.

Barney, Arthur L., to E. I. du Pont de Nemours and Co. Process for polymerizing thiocarbonyl compounds. 3,255,156, 6–7–66, Cl. 260—79.

Barney, Charles A., and J. Collins, to Ark-Les Switch Corp. Bus bar mounting clip. 3,245,031, 4–5–66, Cl. 339—258.

Barney, Frank L. Wire holder. 3,248,089, 4–26–66, Cl. 256—48.

Barney, George M., to Texas Instruments Inc. Time sharing radar-altimeter. 3,277,467.

Barney, Greenlief H., to Leach & Garner Co. Patterned jewelers' stock. 3,248,185, 4–24–66, Cl. 29—183.

Barney, John R., to Motorola, Inc. Cabinet. 3,231,321, 1–25–66, Cl. 312—7.

Barney, Walter, to Loubo Engineering. Electrical control circuit for bar dispensers. 3,241,720, 3–22–66, Cl. 222—76.

Barnhardt, Jacob C., Sr., and W. T. Shea, to Barnhardt Mfg. Co. Polygonal tubular container with reclosable end. 3,285,496, 11–15–66, Cl. 229—51.

Barnhardt Mfg. Co.: *See*—
Barnhardt, Jacob C., Sr., and Shea. 3,285,496.

Barnhart, Charles E., and C. H. Chaney to The Kentucky Research Foundation. Method for inhibiting anemia in young pigs by feeding the sow an iron agent. 3,259,500, 7–5–66, Cl. 99—2.

Barnhart, Clyde S., to United States of America, Army. Disposable rodent bait station. 3,269,052, 8–30–66, Cl. 43—131.

Barnhart, George W., to Dow Corning Corp. Method for preparing lined dentures. 3,251,910, 5–17–66, Cl. 264—17.

Barnhart, George W., to Dow Corning Corp. Method for lining existing dentures. 3,258,509, 6–28–66, Cl. 264—17.

Barnhart, Robert M.: *See*—
Keller, Lyle D., and Barnhart. 3,292,803.

Barnhart, Vilas A., to A. E. Moore Co., Inc. Reversible drive mechanism. 3,247,732, 4–26–66, Cl. 74—89.

Barnhart, William S.: *See*—
Black, Matthew B., III, Faust, Barnhart, and Netsch. 3,265,679.

Barnhill, William B. Carrier or support for infants. 3,243,229, 3–29–66, Cl. 297—134.

Barnier, Douglas J., and T. H. Steger, to Kaiser Steel Corp. Removable valve seat. 3,285,565, 11–15–66, Cl. 251—328.

Barnier, Georges A. Buoyant insulating garment. 3,245,095, 4–12–66, Cl. 9—331.

Barnitz, Edward S., to Consolidated Vacuum Corp. Method of producing vacuum. 3,251,538, 5–17–66, Cl. 230—101.

Barnscheidt, Hans W., and W. Mannhardt, to J. M. Voit, Gesellschaft mit beschrankter Haftung. Condensate removal system for rotary drums. 3,276,141, 10–4–66, Cl. 34—125.

Barnstead Still and Sterilizer Co.: *See*—
Smith, Verity O. 3,271,935.

Barnstorff, Henry D., and D. H. Chadwick, to Monsanto Co. Epoxide compositions comprising an epoxide resin, a curing agent for said resin and a neutral ester of trivalent phosphorus acid having at least one carbon. 3,268,468, 8–23–66, Cl. 260—30.6.

Barnum, Leslie F. Molded pallet. 3,272,158, 9–13–66, Cl. 108—51.

Barnum, Mayson D. Clamps for cylindrical articles. 3,247,564, 4–26–66, Cl. 24—263.

Barnum, Orville G., to Pactor Corp. Shock absorbing compactor wheel. 3,279,339, 10–18–66, Cl. 94—50.

Barocela, Edward C., to Instruments Corp. of America. Apparatus for continuous feed of motion picture film. 3,259,449, 7–5–66, Cl. 352—119.

Barocela, Edward C., to Instruments Corp. of America. Optical compensator. 3,259,450, 7–5–66. Cl. 352—119.

Baroch, Charles J.: *See*—
Goldberger, William M., and Baroch. 3,247,014.

Barofsky, Oris W., to Heywood-Wakefield Co. Folding chair assembly. 3,228,723, 1–11–66, Cl. 297—35.

Barogenics, Inc.: *See*—
Brayman, Jacob. 3,231,935.
Brayman, Jacob, Komorn, and Zeitlin. 3,278,993.

Baron, Leonard: *See*—
De Grande, Robert S., and Baron. 3,242,737.

Baron, William J., and E. P. Fournier. Hosiery package. 3,252,567, 5–24–66, Cl. 206—46.

Barone, Anthony. Tamperproof and burglarproof shield for locks, latches and the like. 3,279,840, 10–18–66, Cl. 292—346.

Barone, Bruno J.: *See*—
Brill, William F., and Barone. 3,253,025.

Barone, Frank J.: *See*—
Elsea, Arthur R., Barone, and Warke. 3.293.028.

Barone, Salvatore A. Safety circuit breaker with fusible means opposing movable control bias. 3,284,596, 11–8–66, Cl. 200—117.

Baroni, Giorgio A., to The International Nickel Co., Inc. Structural member for supporting loads. 3,241,285, 3–22–66, Cl. 52—731.

Baronnie, Roger, to SCM Corp. Paper feed apparatus having stack selecting means. 3,273,883, 9–20–66, Cl. 271—9.

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Baroody, Abraham R. Warm air heating system control. 3,255,964, 6–14–66, Cl. 236—9.

Baroody, Abraham R. Warm air heating system control. 3,289,934, 12–6–66, Cl. 236—9.

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Barows, Arthur G.: *See*—
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Barr, Charles R., to Eastman Kodak Co. Photographic direct-positive color process. 3,243,294. 3–29–66, Cl. 96—3.

Barr, Charles R., J. Williams, and K. Whitmore, to Eastman Kodak Co. Photographic color reproduction process and element. 3,227,551, 1–4–66, Cl. 96—3.

Barr, Courtland H., Jr.: *See*—
Barr, Courtland H., Sr., C. H. Barr, Jr., and J. W. Barr. 3,276,848.

Barr, Courtland H., Sr., C. H. Barr, Jr., and J. W. Barr, to Courtland Laboratories. Process of recovering potable water from body wastes. 3,276,848, 10–4–66, Cl. 23—294.

Barr, David: *See*—
Vukovcan, Rudolph L., Archer, and Barr. 3,262,192.

Barr, David D., and A. S. Crane, Jr., to Tektronix, Inc. Direct reading bridge circuit. 3,249,866, 5–3–66, Cl. 324—62.

Barr, Elliott M., to Taylor Instrument Co. Shielding arrangement for transformer. 3,277,416, 10–4–66, Cl. 336—84.

Barr, Frank T.: *See*—
Urey, Harold C., Cohen, and Barr. 3,284,305.

Barr, Gordon W., to Southwestern Portland Cement Co. Bag house facility. 3,266,225, 8–16–66, Cl. 55—273.

Barr, Harold N., to Martin-Marietta Corp. Method of spherizing refractory oxides. 3,278,655, 10–11–66, Cl. 264—5.

Barr, Harold N., and L. A. Sundquist, to United States of America, United States Atomic Energy Commission. Method of making hollow, spherical UO_2 particles. 3,270,098, 8–30–66, Cl. 264—.5.

Barr, Harold N., and L. A. Sundquist, to United States of America, Atomic Energy Commission. Hollow, spherical UO_2 nuclear fuel particles. 3,294,698, 12–27–66, Cl. 252—301.1.

Barr, Irwin R., to Aircraft Armaments, Inc. Container and method relating to telescopically expanded diaphragms. 3,275,193, 9–27–66, Cl. 222—1.

Barr, James A., Jr. Method of recovering a fluorapatite concentrate. 3,240,559, 3–15–66, Cl. 23—108.

Barr, James R.: *See*—
Hardy, Samuel G., and Barr. 3,257,591.

Barr, John W.: *See*—
Barr, Courtland H., Sr., Courtland H., Jr., and John W. 3,276,848.

Barr, Joseph E., H. C. Kuntzleman, and H. A. Reitfort, to International Business Machines Corp. Frequency shift keyed data transmission system. 3,289,083, 11–29–66, Cl. 325—59.

Barr, Josiah M., to American Machine & Foundry Co. Tethered toy airplane with pilot ejector means. 3,238,663, 3–8–66, Cl. 46—77.

Barr, Josiah M., to American Machine and Foundry Co. Model engine starter. 3,250,265, 5–10–66, Cl. 123—179.

Barr, Keith P.: *See*—
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Barr, Leonard C., J. F. Quasa, J. P. Broderick, and F. T. Wishnie, to Eutectic Welding Alloys Corp. Flame spraying torch. 3,249,262, 5–3–66, Cl. 222—193.

Barr, Philip C., and D. M. Taylor, to Telanium Metals Corp. of America. Ultrasonic testing of metal bodies. 3,242,722, 3–29–66, Cl. 73—67.8.

Barr Rubber Products Co., The: *See*—
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Barr and Stroud Ltd.: *See*—
Davy, John R., and Orr. 3,268,352.
Strang, John M. 3,261,260.
Strang, John M., and Lane. 3,230,575.

Barr, William A., and J. L. Hall, to Atlas Chemical Industries, Inc. Fuel compositions. 3,266,877, 8–16–66, Cl. 44—63.

Barraclough, Michael E., to National Research Development Corp. Two-state circuits. 3,233,195, 2–1–66, Cl. 33—7.

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Barraclough, Ronald W., ½ to R. W. Barraclough Ltd. Forming of containers from bags. 3,260,170, 7–12–66, Cl. 93—8.

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Arndt, Fred A., and Barraclough. 3,263,472.

Barradell-Smith, Richard, to Pilkington Brothers Ltd. Snapping of sheets of glass. 3,268,135, 8–23–66, Cl. 225—2.

Barrat, Joseph F. Fruit harvesting device. 3,253,392, 5–31–66, Cl. 56—328.

Barre, Yves L. R., J. L. Molle, and M. G. E. Vigneron, to A.E.C. Societe de Chimie Organique et Biologique. Caffeine acetyl tryptophanate. 3,247,203. 4–19–66, Cl. 260—253.

Barreca, Henry J. Ski racks. 3,242,704, 3–29–66, Cl. 70—58.

Barreca, Henry J. Ski pole shafts. 3,269,743, 8–30–66, Cl. 280—11.37.

Barreiros Diesel, S.A.: *See*—
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Barrentine, William J., to Transpolymer Industries, Inc. Plastic pipe having a conductive exterior surface and method of making the same. 3,290,426, 12–6–66, Cl. 174—47.

Barrera, Jose M. Water reservoir thermal circulator and flow control for brewing machine. 3,286,618, 11–22–66, Cl. 99—302.

Barrera, Salvatore H., to Muskin Mfg. Co., Inc. Pool structure. 3,233,251. 2–8–66, Cl. 4—172.

Barret, Jean-Pierre, to Institut Francais du Petrole, des Carburants et Lubrifiants. Voltage controlled temperature stabilized variable gain circuits. 3,254,304, 5–31–66, Cl. 330—24.

Barret, William M., to Engineering Research Corp. Mean deviation method of reconnaissance exploration of the earth with radio waves. 3,264,555, 8–2–66, Cl. 324—6.

Barret, William M., and C. H. Clement, to Engineering Research Corp. Chiropractic balance. 3,270,558, 9–6–66, Cl. 73—172.

Barrett, Arthur L.: *See*—
Wiebe, Donald, and Barrett. 3,258,895.

Barrett, Arthur M., Jr., to Barrett Electronics Corp. Automatic pilot for vehicles. 3,235,024, 2–15–66, Cl. 180—79.1.

Barrett, Arthur M., Jr., to Barrett Electronics Corp. Electrical steering device for mobile unit. 3,244,250, 4–5–66, Cl. 180—79.1.

Barrett, Arthur M., Jr., to Barrett Electronics Corp. Automatic control system for vehicles. 3,245,493, 4–12–66, Cl. 180—82.

Barrett, Charles C.: *See*—
Meyers, Kenneth D., and Barrett. 3,245,624.

Barrett, Clarence J., and N. Kormanik, to Westinghouse Electric Corp. Overexcitation limit circuits. 3,281,649, 10–25–66, Cl. 322—25.

Barrett, Edward F., to E. I. du Pont de Nemours and Co. Apparatus and process for winding under varying tension. 3,241,785, 3–22–66, Cl. 242—75.51.

Barrett, Edward L., ½ to K. T. Snow, and E. L. Benno. Deferred action type of dry cell battery. 3,294,589, 12–27–66, Cl. 136—90.

Barrett Electronics Corp.: *See*—
Barrett, Arthur M., Jr. 3,235,024.
Barrett, Arthur M., Jr. 3,244,250.
Barrett, Arthur M., Jr. 3,245,493.

Barrett, George M. Variable power exchanger. 3,241,463, 3–22–66, Cl. 92—13.

Barrett, Herbert M., to Phillips Petroleum Co. Inorganic basic salts of sulfonated tall oil pitch. 3,242,160, 3–22–66, Cl. 260—97.5.

Barrett, Jack W., to Monsanto Chemicals Ltd. Chromatography purification process. 3,237,380, 3–1–66, Cl. 55—67.

Barrett, James R., J. M. Davies, and C. Galbraith, to T. J. Lipton. Machine for conveying meat slices through brine. 3,230,860, 1–25–66, Cl. 99—254.

Barrett, John S., to Sperry Rand Corp. Magnetic fluid clutch with laminated structure. 3,266,606, 8–16–66, Cl. 192—21.5.

Barrett, Norman T.: *See*—
Brown, Gordon, and Barrett. 3,234,102.

Barrett, Norman T., to United Kingdom Atomic Energy Authority. Prestressed concrete pressure vessel. 3,292,317, 12–20–66, Cl. 52—81.

Barrett, Robert D., G. J. Hamouz, L. I. Frisble, J. K. Hirakawa, and E. C. Harnach, Jr., to International Harvester Co. Vehicle wide tread axle support. 3,270,830, 9–6–66, Cl. 180—88.

Barrett, Robert D., and K. Raciunas, to International Harvester Co. Self-adjusting hydraulic disk brakes. 3,286,795. 11–22–66, Cl. 188—72.

Barrett, Walter E.: *See*—
Mull, Robert P., and Barrett. 3,252,860.

Barrett, Walter E., and R. P. Mull, to Ciba Corp. Antihypertensive compositions. 3,288,677, 11–29–66, Cl. 167—65.

Barrett, Wayne T.: *See*—
Sanchez, Moises G., and Barrett. 3,292,129.

Barrett, Wesley H.: *See*—
Potts, Michael C., and Barrett. 3,243,162.

Barrett, William C., and N. M. Sider, to International Paper Co. Container. 3,236,433, 2–22–66, Cl. 229—15.

Barretta, Pasquale, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Apparatus for pyrolysis of dichloroethane. 3,282,652, 11–1–66, Cl. 23—262.

Barriball, Richard D., to General Electric Co. Ballast apparatus for starting and operating a pair of fluorescent lamps. 3 250,952. 5–10–66, Cl. 315—187.

Barriere, Andre: *See*—
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Edelman. David J., Kaye, and Barrieres. 3,272,126.

Barringer, Charles M., to E. I. du Pont de Nemours and Co. Urethanes containing bis (beta hydroxyalkyl) carbamate as a chain extender. 3,248,373, 4–26–66, Cl. 260—77.5.

Barringer, Earl T., C. G. Chambers, M. Choly, R. A. Spaulding, and R. L. Teno, to General Motors Corp. Plating machine. 3,276,984, 10–4–66, Cl. 204—198.

Barringer, Earl T., M. Choly, C. C. Christensen, R. A. Spaulding, and R. L. Teno, to General Motors Corp. Electroplating machine. 3,278,409, 10–11–66, Cl. 204—198.

Barringer, Howard S.: *See*—
Deddens, James C., and Barringer. 3,238,108.
Jens, Wayne H., Edlund, Barringer, Davidson, Klotz, Nims, Miller, and Palmer. 3,260,649.
Schluderberg, Donald C., and Barringer. 3,247,068.

Barringer, Hubert P.: *See*—
Bablay, Edwin F., and Barringer. 3,288,360.

Barringer Research Ltd.: *See*—
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Barrington, Burchus Q., to Halliburton Co. Hydraulic grouting packer. 3,280,916, 10–25–66, Cl. 166—148.

Barroero, Louis F. Shelf structure for refrigeration. 3,232,072. 2–1–66, Cl. 62—256.

Barroero, Louis F. Refrigerated display case having self-contained refrigeration unit. 3,293,878, 12–27–66, Cl. 62—255.

Barron, Chester W. Adjustable vehicle headlights. 3,229,082. 1–11–66, Cl. 240—7.1.

Barron and Crowther Ltd.: *See*—
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Barron, Daniel. Sonar slide rule. 3,266,721, 8–16–66. Cl. 235—61.

Barron, Edward R.: *See*—
Kennedy, Stephen J., Barron, Holly, and Buffington. 3,292,181.

Barron, Gordon, W. Black and A. Topham, to Imperial Chemical Industries Ltd. Manfuacture of pigment compositions. 3,288,621, 11–29–66, Cl. 106—288.

Barron, Lee H. Machine for generating surfaces on hard materials. 3,279,126, 10–18–66, Cl. 51—105.

Barron, Lee H., and D. C. Martin. Aspheric lens grinder. 3,242,617, 3–29–66, Cl. 51—58.

Barrow, Thomas R., to Shell Oil Co. Manufacture of dibasic lead phthalate. 3,265,721, 8–9–66, Cl. 260—435.

Barrows, Benjamin G. Selecting and purging apparatus. 3,240,225, 3–15–66, Cl. 137—240.

Barrows Industries, Inc.: *See*—
Crowley, William G. 3,235,155.
Crowley, William G. 3,272,184.

Barrows, Martin R., D. E. Kaplan, and W. B. Pegram, to Robinson-Halpern Co. Liquid level gauge. 3,286,523, 11–22–66, Cl. 73—301.

Barrows, Royal L.: *See*—
Dowd, Howard M., and Barrows. 3,256,017.
Dowd, Howard M., Barrows, and Landry. 3,272,508.
Dowd, Howard M., Barrows, and Temple. 3,239,221.

Barry, David T., to Texas Instruments Inc. Free-bubble gas sound source. 3,246,286, 4–12–66, Cl. 340—7.

Barry, Edward G., to Socony Mobil Oil Co., Inc. Radiation resistant lubricating oil. 3,249,542, 5–3–66, Cl. 252—47.5.

Barry, George D., and F. F. Soukup. Combination scribe tools. 3,292,263, 12–20–66, Cl. 33—42.

Barry, George D., F. F. Soukup, and J. E. Rankin. Bowling pin handling and setting apparatus. 3,292,925, 12–20–66, Cl. 273—43.

Barry, Harry J., and J. M. Swigart, to Hughes Aircraft Co. Time compressor. 3,278,907, 10–11–66, Cl. 340—172.5.

Barry, John K., to South Chester Corp. Retractable threaded fastener. 3,244,212, 4–5–66, Cl. 151—69.

Barry, Kevin G.: *See*—
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Barry, Leonard D. Coupling between vehicles. 3,249,063, 5–3–66, Cl. 104—93.

Barry, Leonard D. Material handling system. 3,249,064, 5–3–66, Cl. 104—93.

Barry, Leonard D. Material handling system. 3,257,142, 6–21–66, Cl. 294—81.

Barry, Robert M., to Multi-Clean Products Inc. Floor scrubbing brush. 3,290,713, 12–13–66, Cl. 15—180.

Barry, Robert O. Mowing apparatus. 3,241,302, 3–22–66, Cl. 56—25.4.

Barry-Wehmiller Machinery Co.: *See*—
Wyman, James H., and Husome. 3,240,334.

Barry Wright Corp.: *See*—
Johnson, Kenneth W. 3,275,276.

Barsam, Edward W.: *See*—
Pajak, Theodore P., Barsam, and Moll. 3,252,548.

Barsel, Norman, to Chem Research Co. Hypotensive diuretic aludrinochrome isonicotinic acid hydrazone solutions. 3,287,216, 11–22–66, Cl. 167—65.

Barske, Ulrich M. W. Centrifugal pumps. 3,244,109, 4–5–66, Cl. 103—103.

Barski, Jersy, to Etablissement Public; Centre National de la Recherche Scientifique. Anti-viral vaccines immunized against oncogenic viruses. 3,255,081, 6–7–66, Cl. 167—78.

Barsocchini, Frank A., to Service Distributors, Inc. Coin metering apparatus. 3,261,444, 7–19–66, Cl. 194—84.

Barstow, Frederick C., to Polaroid Corp. Cascade coating apparatus for applying plural layers of coating material to a moving web. 3,289,632, 12–6–66, Cl. 118—412.

Bart Safety Equipment Co., Inc.: *See*—
Ulman, Ambrose C. 3,258,875.

Barta, Edward J., P. W. Kilpatrick, and A. I. Morgan, Jr., to United States of America, Agriculture. Methods of peeling wheat. 3,264,113, 8–2–66, Cl. 99—80.

Barta, Gerald T., to Indiana General Corp. Fluxmeter-galvanometer calibration test device. 3,270,218, 8–30–66, Cl. 310—14.

Barta, Henry J., to S & C Electric Co. Dropout fuse for high voltage electric power circuits. 3,267,235, 8–16–66, Cl. 200—114.

Barta, Henry R.: *See*—
Brieger, Louis C., and Barta. 3,271,724.

Barta, Joseph, and H. J. Hedger, to United Kingdom Atomic Energy Authority. Nuclear fuel composition comprising uranium monocarbide dispersed in iron, chromium, or iron-chromium alloys. 3,228,885, 1–11–66, Cl. 252—301.1.

Bartado Industries Ltd.: *See*—
Kemp, David C. S., and Strong. 3,294,276.

Bartch, Herbert: *See*—
Guyton, William V., and Bartch. 3,288,125.

Bartek, Joseph, A. F. Nagelschmidt, G. J.-L. Ranvier, and G. Richter, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Silencers for jet engines. 3,263,931, 8–2–66, Cl. 239—265.11.

Bartel, Benno, to North American Philips Co., Inc. Aspirator type spray apparatus having a miniature spray head. 3,227,377, 1–4–66, Cl. 239—124.

Bartelink, Dirk J., to Bell Telephone Laboratories, Inc. Pulse generator. 3,267,299, 8–16–66, Cl. 307—109.

Bartell, Charles: *See*—
Sonnichsen, Harold M., and Bartell. 3,245,863.

Bartell, Robert P., C. F. Gilbo, and J. P. Sawyer, to Armstrong Cork Co. Cushioning and wrapping laminate. 3,285,800. 11–15–66, Cl. 161—123.

Bartels, Alfred F. A., to Nordischer Maschinenbau Rud. Method of opening up the belly cavity of unslaughtered fish. 3,264,681, 8–9–66, Cl. 17—45.

Bartels, Hans D., to Siemens & Halske Aktiengesellschaft. Piezoelectric oscillator having a high coupling factor. 3,252,017, 5–17–66, Cl. 310—9.8.

Bartels, John H., E. J. McGowan, Jr., and C. R. Montalto, to The Hallicrafters Co. Spectrum analyzer including means for generating a marker signal indicating a selected filter channel. 3,241,064, 3–15–66, Cl. 324—77.

Bartels, Marga, R. Zimmermann, and N. Taubel, to Chemische Werke Albert. Process for the stimulation of the growth and of the yield of plants. 3,234,000, 2–8–66, Cl. 71—2.5.

Bartelt, Dora G.: *See*—
Bartelt, Harold L. 3,247,643.

Bartelt Engineering Co., Inc.: *See*—
Beert, Carl J. 3,274,971.
Beert, Carl J., and Martin. 3,252,384.
Canfield, Allen B. 3,269,524.
Erhardt, Stefan. 3,253,752.
Johnson, Kenneth R., and Beert. 3,228,434.
Johnson, Kenneth R., and Beert. 3,269,236.
Lense, Robert F. 3,265,251.
Martin, Le Roy L. 3,269,091.
Nutting, Robert G., Wagner, and Christensen. 3,230,687.
Peterson, Donald T., and Soroka. 3,228,412.

Bartelt, Howard L., deceased, by D. G. Bartelt, executrix. Machine for forming a skin package. 3,247,643, 4–26–66, Cl. 53—112.

Bartens, Karl E. Signalling system for automobiles. 3,252,136, 5–17–66, Cl. 340—74.

Barter, Le Roy D., to Beckman Instruments, Inc. Regulated power supply. 3,259,833, 7–5–66, Cl. 323—4.

Barter, Le Roy D., to Beckman Instruments, Inc. A.C. measuring circuit having an amplifier with feedback path in which a synchronous switch output drives a D.C. meter. 3,267,378, 8–16–66, Cl. 324—118.

Barth, Johann: *See*—
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Barth, John W., to Jacobsen Mfg. Co. Articulate mounting for a lawn mower on a tractor. 3,248,864, 5–3–66, Cl. 56—26.

Barth, Lewis E., to Automatic Timing & Controls, Inc. Mechanical device. 3,270,582, 9–6–66, Cl. 74—568.

Barth, Lewis E., and R. B. Seidel, to Automatic Timing & Controls, Inc. Mechanical apparatus. 3,264,600, 8–2–66, Cl. 339—31.

Barth, Robert E. Vehicular frame and method of construction. 3,282,603, 11–1–66, Cl. 280—106.

Barth, Robert H.: *See*—
Gotteaman, Roy T., Sidl, and Barth. 3,293,219.

Barth Safety Equipment Co., Inc.: *See*—
Ulman, Ambrose C. 3,258,875.

Barth, Stanley. Container holder and tray. 3,261,531, 7–19–66, Cl. 229—2.5.

Barth, Walter, G. Jahn, E. Oster, and A. Hagmann, to Mayback-Motorenban G.m.b.H. Limiting the fuel supply to an internal combustion engine. 3,263,662, 8–2–66, Cl. 123—140.

Bartha, Kenneth J.: *See*—
Schott, Arthur K., Bartha, and Rovoldt. 3,269,241.
Schott, Arthur K., Bartha, and Rovoldt. 3,270,605.

Barthel, Gunther: *See*—
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Barthel, Heinrich E.: *See*—
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Barthelemy, Pierre: *See*—
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Barthelemy, Pierre J. F., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Closed-cycle thermal machine. 3,258,825, 7–5–66, Cl. 60—59.

Barthell, John P., to Controls Co. of America. Switch actuator. 3,277,264, 10–4–66, Cl. 200—159.

Barthold, Lionel O., to General Electric Co. Optimization of open-wire transmission lines. 3,249,773, 5–3–66, Cl. 307—147.

Bartholoma, Johann, to Telefunken A.G. Feed horn with broad-band compensated polarization changer. 3,230,537, 1–18–66, Cl. 343—756.

Bartholomä, Johann, and H. Brunner, to Telefunken Patentverwertungs-G.m.b.H. Multiple horn feed for parabolic reflector with phase and power adjustments. 3,234,559, 2–8–66, Cl. 343—779.

Bartholome, Ernst, H. Nienburg, W. Schenk, K. Scherf, N. Loesch, A. Wallis, and L. Vogel, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Nitric acid oxidation of benzene compounds containing oxidizable side chains. 3,271,445, 9–6–66, Cl. 260—524.

Bartholomew, Earl, to Ethyl Corp. Engine improvements. 3,250,264, 5–10–66, Cl. 123—127.

Bartholomew, Earl, to Ethyl Corp. Gasoline engines. 3,282,261, 11–1–66, Cl. 123—119.

Bartholomew, George A., to United States Steel Corp. Apparatus for treating slag. 3,284,166, 11–8–66, Cl. 23—259.1.

Bartholomew, George L.: *See*—
Sturges, Donald G., and Bartholomew. 3,231,521.

Bartholomew, John B., and P. P. Morison, to Spillers Ltd. Apparatus for moving articles one by one to and from a processing station. 3,229,107, 1–11–66, Cl. 250—223.

Bartik, William J., to Sperry Rand Corp. Wave shaping device using saturable inductance. 3,248,734, 3–29–66, Cl. 333—20.

Bartik, William J., to Sperry Rand Corp. Parametric device. 3,275,839, 9–27–66, Cl. 307—88.

Bartimes, George F.: *See*—
Milenkovic, Veljko, and Bartimes. 3,246,223.

Bartkus, Edward A., J. M. Brownlow, R. F. Elfant, and K. R. Grebe, to International Business Machines Corp. Method of making an array of magnetic storage elements. 3,243,870, 4–5–66, Cl. 29—155.5.

Bartl, Herbert: *See*—
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Pawlowski, Juri, Bartl, and Haupt. 3,281,124.
Von Bonin, Wulf, and Bartl. 3,255,127.

Bartl, Herbert, W. Von Bonin, and W. Gobel, to Farbenfabriken Bayer Aktiengesellschaft. Process for agglomerating solids. 3,268,471, 8–23–66, Cl. 260—29.6.

Bartleson, Christian J., E. J. Breneman, and D. L. MacAdam, to Eastman Kodak Co. Method and apparatus for exhibiting a display. 3,270,451, 9–6–66, Cl. 40—130.

Bartleson, John D.: *See*—
Irish, Glenn E., Hinkamp, and Bartleson. 3,254,975.

Bartlett, Allen R., to The Mosler Safe Co. Desk having elevatable storage cabinet. 3,245,741, 4–12–66, Cl. 312—223.

Bartlett, Charles B., E. Wirsing, Jr., and L. P. Hatch, to United States of America, Atomic Energy Commission. Process for decladding zirconium from zirconium clad nuclear fuel elements. 3,294,492, 12–27–66, Cl. 23—324.

Bartlett, David S.: *See*—
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Bartlett, Edwin S.: *See*—
Bradley, Elihu F., Bartlett, Ogden, and Jaffee. 3,262,764.
Bradley, Elihu F., Bartlett, Ogden, and Jaffee. 3,293,068.
Bradley, Elihu F., Bartlett, Ogden, and Jaffee. 3,293,069.

Bartlett, Howard D., and W. B. Crawford, to Research Corp. Material handling device. 3,238,694, 3–8–66, Cl. 53—58.

Bartlett, Jeffrey H.: *See*—
Baldwin, Francis P., McDougall, Muessig, and Bartlett. 3,293,209.
Morway, Arnold J., Bartlett, and Lippincott. 3,287,405.

Bartlett, Jeffrey H., R. S. Brodkey, P. V. Smith, Jr., and H. K. Wiese, to Esso Research and Engineering Co. Gem dimethyiol alicyclic esters. 3,289,539, 3–8–66, Cl. 260—348.

Bartlett, Joseph E. Components for faucet valve washer replacement. 3,275,287, 9–27–66, Cl. 251—88.

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Bartlett, Peter G. 3,264,604.

Bartlett, Lawrence C., W. F. Hunter, and J. S. Osmalov, to Eastman Kodak Co. Extrusion coating apparatus. 3,227,136, 1–4–66, Cl. 118—410.

Bartlett, Percy H., to Bartlett Trailer Corp. Landing gear structure. 3,255,995, 6–14–66, Cl. 254—86.

Bartlett, Peter G., to Bartlett Laboratories, Inc. Transducer. 3,264,604, 8–2–66, Cl. 340—8.

Bartlett, Roscoe G., Jr. Apparatus for use in mouth-to-mouth resuscitation. 3,286,710, 11–22–66, Cl. 128—29.

Bartlett-Snow-Pacific, Inc.: *See*—
Adams, Otis J. 3,250,370.
Burnett, Joel M. 3,254,376.

Bartlett Trailer Corp.: *See*—
Bartlett, Percy H. 3,255,995.

Bartlett, William F., to Stromberg Carlson Corp. Time division multiplex-multiple digit atore. 3,265,815, 8–9–66, Cl. 179—15.

Bartlett, William F., and B. Brightman, to General Dynamics Corp. Dynamic data storage circuit. 3,231,867, 1–25–66, Cl. 340—172.5.

Bartlett, William F., A. A. Jorgensen, and W. A. Oswald, to Stromberg-Carlson, Corp. Call transfer circuit. 3,235,667, 2–15–66, Cl. 179—18.

Bartlett, William F., K. Ozone, and R. Scott, to Stromberg-Carlson Corp. Triple transfer time division multiplex communication system. 3,259,696, 7–5–66, Cl. 179—15.

Bartlett, William F., and B. Brightman, to General Dynamics Corp. Multiple shift register buffer store. 3,275,993, 9–27–66, Cl. 340—172.5.

Bartlett, William F., and B. Brightman, to General Dynamics Corp. Sampling detector. 3,288,928, 11–29–66, Cl. 178—50.

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Brynjolfsson, Wilfred, and Bartlett. 3,292,336.

Bartley, Charles E., and F. A. Marion. Method and apparatus for loading solid propellant into rocket casings and the like. 3,252,369, 5–24–66, Cl. 86—20.

Bartley, William C., and J. P. Shipley, to Texas Instruments Inc. Controlled rectifier supply for series motor speed control system. 3,237,073, 2–22–66, Cl. 318—246.

Bartlo, John S., and V. R. Grundmann, to Package Machinery Co. Heat sealing means for packaging machines. 3,264,799, 8–9–66, Cl. 53—379.

Bartman, William H.: *See*—
Turner, James F., Sr., Bartman, and Smith. 3,266,447.

Bartmann, Wilhelm, C. Beermann, W. Ehmann, and D. Ulmschneider, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for producing aqueous polymer dispersions with polymeric N-vinyl acetamide dispersant. 3,249,571, 5–3–66, Cl. 260—29.6.

Barto, Ronald L.: *See*—
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Barto, William J., to Eaton Yale & Towne Inc. Safety arrangement for engine operated accessory. 3,275,177, 9–27–66, Cl. 214—650.

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Barton, Peter. 3,247,982.

Barton, Benjamin D. Spray gun for fire apparatus and the like. 3,282,511, 11–1–66, Cl. 239—459.

Barton, Bernard C., H. K. J. de Decker, and L. Baharah, to Texas-U.S. Chemical Co. Compositions containing synthetic rubber, asphalt, and hydrous magnesium silicate. 3,245,458, 4–12–66, Cl. 152—330.

Barton, Bernard C., H. K. J. De Decker, and S. A. Lippmann, ½ to United States Rubber Co., and ½ to U.S. Chemical Co. Pneumatic tire tread containing a synthetic rubber, asphalt, and filler. 3,247,881, 4–26–66, Cl. 152—330.

Barton, David W., and W. A. Van Wicklin, Jr., to Ford Motor Co. Variable ratio steering gear. 3,250,147, 5–10–66, Cl. 74—509.

Barton, David W., C. Haddad, and R. W. Riley, to Ford Motor Co. Heater control with improved slidable and rotary motion means. 3,286,044, 11–15–66, Cl. 200—4.

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Barton, Derek H. R., to Research Institute for Medicine and Chemistry, Inc. Method of generating free acyl radicals by irradiation of acyl derivatives of dithiocarboxylic acids. 3,276,982, 10–4–66, Cl. 204—158.

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Welch, Elvin C. 3,239,738.

Barton, John T., to Perkins Pipe Linings, Inc. Trowel for pipe lining material. 3,263,296, 8–2–66, Cl. 25—38.

Barton, Myron M., to W. J. Volt Rubber Corp. Ball with cushioning means between cover and core. 3,256,019, 6–14–66, Cl. 273—65.

Barton, Oliver A., and H. H. Richmond. Drying oil modified polycarbonates of bisphenols, processes for their production and compositions produced therefrom. 3,243,393, 3–29–66, Cl. 260—18.

Barton, Oliver A., and E. Schwartz, to Allied Chemical Corp. Terpolymeric resins from bis-(p-hydroxycumyl) benzene. 3,293,213, 12–20–66, Cl. 260—47.

Barton, Peter, to B. C. Barton & Son Ltd. Apparatus for storing and handling articles. 3,247,982, 4–26–66, Cl. 214—6.

Barton, Raymond W., to Mead Johnson & Co. Nursing device. 3,232,467, 2–1–66, Cl. 215—11.

Barton, Raymond W., to Mead Johnson & Co. Apparatus and method for filling nurser. 3,294,126, 12–27–66, Cl. 141—9.

Barton, Raymond W., H. Heckel, P. Prickett, and E. G. Swenson, to Don Baxter, Inc. Method of packaging a parenteral fluid. 3,233,384, 2–8–66, Cl. 53—14.

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Barton, Richard R.: *See*—
Land, Charles E., Jr., and Barton. 3,265,586.

Barton, Richard R., to Miles Laboratories, Inc. Process for the production of purified glucose oxidase. 3,269,918, 8–30–66, Cl. 195—66.

Barton, Robert D., to FMC Corp. Orienting and locking conductor. 3,255,823, 6–14–66, Cl. 166—85.

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Barton, Robert S., and W. K. Orr, to Burroughs Corp. Memory system. 3,292,153, 12–13–66, Cl. 340—172.5.

Barton, Stanley, to The Procter & Gamble Co. Method of preparing stable aluminum chlorhydrate-alkali metal and alkaline earth metal salt complex antiperspirant stick. 3,255,082, 6–7–66, Cl. 167—90.

Barton, William F., to Standard Grigsby Inc. Cartridge type reed relay construction. 3,246,095, 4–12–66, Cl. 200—87.

Barton, William F., to Grigsby-Barton, Inc. Electrical relay. 3,265,825, 8–9–66, Cl. 200—87.

Bartos, Donald M., and G. W. Swartzbaugh, to Dow Corning Corp. Insulating cable splices. 3,258,522, 6–28–66, Cl. 174—84.

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Bartoszak, Anthony, to Alloys Research & Mfg. Corp. Techniques for compacting aluminum powder mixtures. 3,250,-838, 5–10–66, Cl. 264—111.

Bartow, Walter T., and B. L. Head, to Western Electric Co., Inc. Heat-treating method for modifying permeability and quality factor of nickel-zinc-cobalt ferrite. 3,242,089, 3–22–66, Cl. 252—62.5.

Bartram, Richard G., to The Stanley Works. Strapping machine and system. 3,280,725, 10–25–66, Cl. 100—4.

Bartram, Robert J., R. C. Brown, and J. A. Simpson, to Texas Instruments Inc. Yig filter. 3,290,625, 12–6–66, Cl. 333—73.

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Bartsch, Edmund A., to Lockheed Aircraft Corp. Method for measuring sea surface condition. 3,242,836, 3–29–66, Cl. 95—12.5.

Bartsch, Siegfried, to Maschinenfabrik Scharf G.m.b.H. Suspension rail truck cable guide arrangement. 3,241,497, 3–22–66, Cl. 104—182.

Bartsch, William A. Tail gate control mechanism for dump trucks. 3,288,531, 11–29–66, Cl. 298—23.

Bartschat, Frederick L., to Nuclide Corp. Electron multiplier device. 3,229,143, 1–11–66, Cl. 213—105.

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Bartz, Adam A., to E. I. du Pont de Nemours and Co. Werner chromium complexes and methods for their preparation. 3,287,141, 11–22–66, Cl. 106—13.

Bartz, Arnold M., to The Dow Chemical Co. Optical absorption cell for gas chromatograph effluent analysis having gas heating means. 3,287,557, 11–22–66, Cl. 250—43.5.

Bartz, Arnold M., and L. W. Herscher, to The Dow Chemical Co. Dispersive analyzer having means for segregating different wavelengths of radiation from a single source. 3,279,308, 10–18–66, Cl. 88—14.

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Bartz, Theodore J., to E. W. Bliss Co. Powdered copper metal part and method of manufacture thereof. 3,293,006, 12–20–66, Cl. 29—182.

Baruch, Hans, to Warner-Lambert Pharmaceutical Co. Photoelectric immersion probe. 3,263,553, 8–2–66, Cl. 88—14.

Baruch, Hans, and E. W. Anthon, to Warner-Lambert Pharmaceutical Co. Automatic sample handling apparatus. Re. 26,055, 7–5–66, Cl. 141—90.

Baruch, Hans, and D. Travaglio, to Warner-Lambert Pharmaceutical Co. Sample conveying and conditioning unit. 3,282,431, 11–1–66, Cl. 210—241.

Baruch, Jordan J., to Bolt, Beranek and Newman, Inc. Apparatus for displaying composite information. 3,233,507, 2–8–66, Cl. 88—24.

Baruch, Jordan J., to Bolt Beranek and Newman Inc. Light-transmitting acoustic absorber and method. 3,253,675, 5–31–66, Cl. 181—33.

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Barwick, Leory E., to McGraw-Edison Co. Aerial cable deadending system. 3,229,025, 1–11–66, Cl. 174—40.

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Barykin, Nikolai A., V. I. Zubkin, and J. A. Konjkov, to Nauchno-Issledoratelsky Institute Teploenergeticheskogo Priborosboenija. Pneumatic or hydraulic power element. 3,241,526, 3–22–66, Cl. 267—1.

Barz, Joseph. Temperature responsive switch having free floating disc actuator. 3,227,845, 1–4–66, Cl. 200—138.

Basabe, John W., 50% to W. White. Device for removing the frangible seal of pharmaceutical vial closures. 3,262,-621, 7–26–66, Cl. 225—103.

Baschet, Francois P. M. Electronic musical instrument. 3,229,021, 1–11–65, Cl. 84—1.14.

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Basco, Robert P., and L. V. Puls, to General Motors Corp. Method of anodizing aluminum. 3,276,980, 10–4–66, Cl. 204—58.

Bascom, Richard E., and F. A. Miller, to United States Steel Corp. Conveyor belt. 3,263,799, 8–2–66, Cl. 198—193.

Bascomb, Frank C., and E. Mayer, to Boulevard Electronics, Inc. Device for agitating, swirling and aerating the water in a vessel, such as a bath tub or the like. 3,292,615, 12–20–66, Cl. 128—66.

Basdekis, Costas H., R. H. Dahms, and W. E. Gould, Jr., to Monsanto Co. Process for incorporating additives. 3,287,-309, 11–22–66 Cl. 260—34.2.

Baselice, Louis A., to American Insulating Machinery Co. Wire-feeding and tensioning apparatus. 3,240,438, 3–15–66, Cl. 242—25.

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Basham, Lloyd P. Fountain pen for musical manuscripts. 3,247,828, 4–26–66, Cl. 120—45.6.

Basham, Raymond B., to Rawco Instruments, Inc. Transistor choppers. 3,227,892, 1–4–66, Cl. 307—88.5.

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Atkins, Bobby L., and Bashaw. 3,242,022.

Bashaw, Robert N., and B. G. Harper, to The Dow Chemical Co. Method for controlling the spread of fire. 3,229,769, 1–18–66, Cl. 169—1.

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Hauck, Aloysius J. 3,262,045.
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Basile, Ernest R., to Sperry Rand Corp. Punch verification mechanism. 3,248,047, 4–26–66, Cl. 234—33.

Basile, Ernest R., and R. E. Seymour, to Sperry Rand Corp. Pneumatic transducer. 3,267,233, 8–16–66, Cl. 200—83.

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Baskett, Theodore N. Reciprocating spray gun carriage assembly for spray coating or like apparatus. 3,266,729, 8–16–66, Cl. 239—186.

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Baskin, Yehuda, and P. D. Shalek, to United States of America, Atomic Energy Commission. Uranium monosulfide-uranium monophosphide solid solutions. 3,264,223, 8–2–66, Cl. 252—301.1.

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Basmadjian, Diran, and L. A. Pogorski, to Chemical Projects Ltd. Process for the separation of gases by adsorption. 3,279,153, 10–18–66, Cl. 55—58.

Basnett, James T., to G. Q., Parachute Co. Ltd. Parachute harness. 3,258,231, 6–28–66, Cl. 244—151.

Basolo, Domenic, and R. Niewiadomski, to United States Steel Corp. Automatic stop for belt conveyor. 3,245,520, 4–12–66, Cl. 198—232.

Bason, James M., to Bason and Sons Ltd. Mechanical handling apparatus. 3,260,379, 7–12–66, Cl. 214—6.

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Bass, David H. Support for spools containing wire to facilitate unwinding wire. 3,228,627, 1–11–66, Cl. 242—129.62.

Bass, Henry J. Lock nuts, provided with pin apertures alignable to an infinite number of angular locking positions. 3,237,665, 3–1–66, Cl. 151—28.

Bass, Henry J. Threaded inserts with sliding segmental securing means. 3,269,251, 8–30–66, Cl. 85—66.

Bass, Ludvik, and R. S. Bennett, to Birmingham Small Arms Co. Ltd. Electrochemical machining of metals. 3,280,016, 10–18–66, Cl. 204—143.

Bass, Patrick, to R. & R. Research Ltd. Credit-registering apparatus. 3,249,194, 5–3–66, Cl. 194—4.

Bass, Patrick, to R & R Research Ltd. Broadcast distribution system with central station indication of total number of energized receiver. 3,281,695, 10–25–66, Cl. 325—31.

Bass, Sidney. Extensible chair-table unit. 3,254,916, 6–7–66, Cl. 297—140.

Basset, Donald M. Spoking jig. 3,294,145, 12–27–66, Cl. 157—1.5.

Bassett, Arthur T., Jr., R. S. Gaugler, and K. E. Jenkins, to General Motors Corp. Tubular thermoelectric array. 3,272,659, 9–13–66, Cl. 136—203.

Bassett, Jacques P. L., R. L. Bizollier, and P. A. Camus, to International Standard Electric Corp. Selection systems. 3,283,081, 11–1–66, Cl. 179—18.

Bassett, Joseph A., and M. H. Battles, to Swift & Co. Scuff resistant leather. 3,274,023, 9–20–66, Cl. 117—142.

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Bassett, Leon H., W. A. Fouser, F. A. Kaman, and F. C. Schrack, to Skil Corp. Power tool. 3,270,821, 9–6–66, Cl. 173—123.

Bassett, Louis F. Flash light holder. 3,292,890, 12–20–66, Cl. 248—314.

Bassett, Ronald M., to International Register Co. Latch operated timer switch. 3,248,493, 4–26–66, Cl. 200—39.

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Bassoff, Arthur B., to National Broach & Machine Co. Checking device. 3,267,581, 8–23–66, Cl. 33—179.5.

Bast, Carl H.: *See*—
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Bastiaanse, Ernst, to North American Philips Co., Inc. Lead threading device for lamp basing apparatus. 3,286,323, 11–22–66, Cl. 29—25.19.

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Bastian, Arthur L., to Curtiss-Wright Corp. Delay line with ambient temperature compensation. 3,241,090, 3–15–66, Cl. 333—30.

Bastian, Arthur L., to Branson Corp. Temperature compensated time delay relay. 3,256,410, 6–14–66, Cl. 200—122.

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Vantroba, Robert W., Billington, and Poethig. 3,268,254.
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Bastian, Bruce N., to Shell Oil Co. Process for polymerizing aldehydes with a coordination complex of (1) a Lewis acid and (2) an organic tertiary amine or organic phosphine. 3,278,635, 10–11–66, Cl. 260—823.

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Baston, Prescott W., and A. B. Gleason. Ski carrier. 3,268,-134, 8–23–66, Cl. 224—55.

Bastow, Frank, to Dowty Seals Ltd. Sealing devices. 3,271,-038, 9–6–66, Cl. 277—205.

Bata, George L., to Union Carbide Canada Ltd. Process for removing carbon black from polyethylene. 3,232,891, 2–1–66, Cl. 260—2.3.

Bata, George L., and J. W. Donaghy, to Union Carbide Canada Ltd. Stress-crack resistant polyethylene compositions. 3,234,176, 2–8–66, Cl. 260—38.

Bata, George L., and D. C. Fraser, to Union Carbide Canada Ltd. Stress crack resistant polyethylene composition containing zinc-2-benzamidothiophenate. 3,260,695, 7–12–66, Cl. 260—41.

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Tusa, John, and Maltby. 3,228,048.

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Batchelder, Charles F., and J. A. Rubico, to Batchelder-Rubico, Inc. Adhesive tape package and method of making a shoe using the same. 3,257,678, 6–28–66, Cl. 12—142.

Batchelder, Charles F., and J. A. Rubico, to Batchelder Rubico Inc. Method of assembling shoe uppers on lasts. 3,276,055, 10–4–66, Cl. 12—142.

Batchelder, Charles F., and J. A. Rubico, to Batchelder Rubico, Inc. Pre-assembly of shoe components. 3,276,-057, 10–4–66, Cl. 12—146.

Batchelder, John H., to Technical Operations, Inc. Connector. 3,237,977, 3–1–66, Cl. 287—119.

Batchelder-Rubico, Inc.: *See*—
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Batchelder, Charles F., and Rubico. 3,257,678.
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Bauer, Robert D., to Phillips Petroleum Co. Polymerization of olefins. 3,275,707, 9–27–66, Cl. 260—683.15.

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Bauer, Werner R., and W. A. Grove, to Robertshaw Controls Co. Electrical relay with panel and terminal plug. 3,230,330, 1–18–66, Cl. 200—104.

Bauer, William C., A. P. McCue, and K. C. Rule, to FMC Corp. Calcium control in crystallization of sodium sesquicarbonate. 3,233,983, 2–8–66, Cl. 23—300.

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Bauerlein, Gerhard H., to General Precision, Inc. Motor fitted with Hall generator and semi-conductor controls. 3,230,434, 1–18–66, Cl. 318—138.

Bauerlein, Gerhard H., to General Precision Inc. Hall effect tachometer using an eddy-current rotor and flux focusing elements. 3,281,682, 10–25–66, Cl. 324—70.

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Baum, Elmer, to International Telephone and Telegraph Corp. Digital microphone. 3,286,032, 11–15–66, Cl. 179—1.

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Baum, Henry H., to The National Cash Register Co. Heat sensitive coating composition and copy sheet coated therewith. 3,293,055, 12–20–66, Cl. 106—171.

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Baumann, Hans D. Pneumatic control valves. 3,231,232, 1–25–66, Cl. 251—61.

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Bayha, Jack E., J. W. Dixon, and P. H. Elpiner, to Transmarine Corp. Payout drive assembly and circuit for coin change dispensing apparatus. 3,280,953, 10–25–66, Cl. 194—2.

Bayhi, Joseph F., R. F. Gregory, and C. O. Beard, to Esso Production Research Co. Trace synthesizer. 3,280,460, 10–25–66, Cl. 33—1.

Baylac, Marcel. Liquid-circulation cooling device for the rotors of high-power turbo-alternators rotating at high speed. 3,249,775, 5–3–66, Cl. 310—54.

Bayless, Frank K., and R. L. Brown, to Electrolux Corp. Two-brush floor polisher. 3,286,289, 11–22–66, Cl. 15—49.

Bayley, Donald S.: *See*—
Ten Bosch, Maurits, and Bayley. 3,258,958.

Bayley, Donald S., to M. Ten Bosch, Inc. Navigational instrument. 3,265,872, 8–9–66, Cl. 235—150.271.

Bayley, Gilbert G., to Kimberly-Clark Corp. Apparatus for cutting sheet material from a core. 3,245,302, 4–12–66, Cl. 83—614.

Baylinson, S. Brian. Movable and detachable support means for air conditioners. 3,257,933, 6–28–66, Cl. 98—94.

Bayliss, Carl W. Collapsible and adjustable trellis. 3,264,783, 8–9–66, Cl. 47—45.

Bayliss, Robert V., to Stilex Printing Ltd. Article loading devices. 3,256,008, 6–14–66, Cl. 271—32.

Baymiller, John W., W. J. Bohrn, and W. A. Moggio. Encapsulating apparatus. 3,293,695, 12–27–66, Cl. 18—2.6.

Bayne, Calvin C. Pouring spout for cans and lock therefor. 3,229,868, 1–18–66, Cl. 222—569.

Bayne, Peter D., and J. J. Solomon, to Jos. Schlitz Brewing Co. Beverage dispensing and cooling apparatus. 3,283,530, 11–8–66, Cl. 62—389.

Bayne, Peter D., and J. L. Pahlow, to Jos. Schlitz Brewing Co. Process and apparatus for concentrating wort. 3,290,153, 12–6–66, Cl. 99—52.

Bayne, Peter D., and J. J. Solomon, to Jos. Schlitz Brewing Co. Dispensing unit. 3,294,289. 12–27–66, Cl. 222—95.

Bayne, William E., to Clark Mfg. Co. Fertilizer sealer having interchangeable arms. 3,227,226, 1–4–66, Cl. 172—705.

Baynes, William H. Planetarium. 3,286,374, 11–22–66, Cl. 35—45.

Bays, Marvin G., to Continental Oil Co. Vibration isolation device. 3,291,249, 12–13–66, Cl. 181—.5.

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Bayuk Cigars Inc.: *See*—
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Bizouard, Paul M., and Bazin. 3,257,601.

Bazin, Darney P., Jr.: *See*—
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Bazin, Lucas J., R. A. Dischert, and D. M. Taylor, to Radio Corp. of America. Signal processing apparatus for color systems utilizing separate luminance signal pickup. 3,283,067, 11–1–66, Cl. 178—5.4.

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Bazinet, Wilfred P., Jr., to American Optical Co. Method of making light-conducting optical component. 3,278,283, 10–11–66, Cl. 65—4.

Beach, Arthur V.: *See*—
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Beach, Daryl R., to Kabushiki Kaisha Morita Seisakusho. Dental apparatus. 3,259,430, 7–5–66, Cl. 297—194.

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Beach, Frederick H., and V. Di Rubbio, to Ordnance Products, Inc. Method and apparatus for loading particulate material into receptacles. 3,253,496, 5–31–66, Cl. 86—82.

Beach, John B. Trump indicator comprising rotatable, lockable member with radially projecting symbols. 3,292,927, 12–20–66, Cl. 273—148.

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Beach, Justice H., to The Hoover Co. Pump control, check valve and drive coupling means for shampooing and scrubbing device. 3,289,232, 12–6–66, Cl. 15—29.

Beach, Kenneth M., Jr., to Varian Associates. Teaching devices. 3,286,371, 11–22–66, Cl. 35—8.

Beach, Laurence R. Jr., and R. J. Black, to International Business Machines Corp. Magnetic detent mechanism. 3,260,870, 7–12–66, Cl. 310—14.

Beach, Lennox F., to Sperry Rand Corp. Gyroscopes. 3,248,952, 5–3–66, Cl. 74—5.

Beach, Milton L. and W. R. Fisher. Illuminable fishing device. 3,292,294, 12–20–66, Cl. 43—17.5.

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Beach, Willard C. Lightweight harness. 3,270,488, 9–6–66, Cl. 54—39.

Beach, William A., D. Borden, E. K. Matthews, and C. W. Siegmund, to Esso Research and Engineering Co. Flame growth control device for oil burners. 3,251,393, 5–17–66, Cl. 158—4.

Beachem, Michael T., to American Cyanamid Co. Novel imidazolidinones and their use as textile finishing agents. 3,260,565, 7–12–66, Cl. 8—116.3.

Beachler, Edward D. Dryer felt. 3,250,019, 5–10–66, Cl. 34—117.

Beachler, Edward D., to Beloit Corp. Gloss calender drive system and method. 3,254,593, 6–7–66, Cl. 100—38.

Beachler, Edward D., and E. J. Justus, to Beloit Iron Works. Method and means for correcting the crown of a roll. 3,266,561, 8–16–66, Cl. 165—2.

Beachler, Glen R., and E. C. Pavlicek. Power factor calculator. 3,263,918, 8–2–66, Cl. 235—61.

Beachum, Curtis M. Apparatus for manipulation of thin sheet stock. 3,272,502, 9–13–66, Cl. 271—62.

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Lemieux, George W. 3,288,553.
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Beal, Philip F., III, G. S. Fonken, and J. E. Pike, to The Upjohn Co. Microbiological conversion of unsaturated fatty acids. 3,290,226, 12–6–66, Cl. 195—30.

Beal, Robert E.: *See*—
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Beal, Robert G. Variable valve timing mechanism for internal combustion engines. 3,269,375, 8–30–66, Cl. 123—90.

Beal, William E., to Socony Mobil Oil Co., Inc. Apparatus for determining the combustion quality of a fuel. 3,238,765, 3–8–66, Cl. 73—35.

Beale, Alvin F., Jr., and C. H. Kucera, to The Dow Chemicals Co. Corrosion inhibitors for aqueous acids. 3,231,507, 1–25–66, Cl. 252—146.

Beale, Julian R. A., and A. F. Beer, to North American Philips Co., Inc. Method of manufacturing semi-conductor devices. 3 235,419, 2–15–66, Cl. 148—178.

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Beall, George H., to Corning Glass Works. Glass-ceramic bodies and method of making them. 3,252,811, 5–24–66, Cl. 106—39.

Beall, Richard W., Jr., E. C. Pellaton, and C. E. Strahl, to Inland Container Corp. Dispensing carton. 3,251,510, 5–17–66, Cl. 222—183.

Beall, Robert T. and N. H. Nielsen, to Lockheed Aircraft Corp. Inhibition of micro-organism growth in petroleum fuel. 3,246,144, 4–12–66, Cl. 250—43.

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Beaman, Alden G., R. Duschinsky, and W. P. Tauts, to Hoffmann-La Roche Inc. 2-nitrolimidazoles. 3,255,201, 6–7–66, Cl. 260—309.

Beaman, Alden G., R. Duschinsky, and W. P. Tautz, to Hoffmann-La Roche Inc. 2-nitroimidazoles and process. 3,287,468, 11–22–66, Cl. 260—309.

Beaman, Charles W., and M. J. Grossman, to Numis Products, Inc. Coin tube. 3,244,272, 4–5–66, Cl. 206—.82.

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Beaman, Norman V., to Par-Way Mfg. Co. Apparatus for greasing baking pans. 3,250,247, 5–10–66, Cl. 118—317.

Beaman, Ralph G., and T. W. Campbell, to E. I. du Pont de Nemours and Co. Polythiosemicarbazide chelates. 3,240,764, 3–15–66, Cl. 260—79.

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Beamer, Carl F. Material-handling apparatus. 3,227,326, 1–4–66, Cl. 222—328.

Beamon, Melford E., and C. R. Donaldson, to National Distillers and Chemical Corp. Method of preparing acrylonitrile/ethylene copolymers. 3,227,697, 1–4–66, Cl. 260—85.5.

Bean, Charles H., to United States of America, Atomic Energy Commission. Process of making a sintered, homogeneous dispersion of nuclear fuel and burnable poison. 3,263,004, 7–26–66, Cl. 264—.5.

Bean, Charles P.: *See*—
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Bean, Charles P., E. W. DeBlois, and L. B. Nesbitt, to General Electric Co. Method for determining resistivity of a metal. 3,234,458 2–8–66, Cl. 324—40.

Bean, Claude T., Jr.: *See*—
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Bean, Claude T., Jr., to Hooker Chemical Corp. Phosphorus containing polymers. 3,257,355, 6–21–66, Cl. 260—47.

Bean, Claude T., Jr., and D. H. Thorpe, to Hooker Chemical Corp. Polymerizates of hydroxyetherified phenolic resin esterified with unsaturated polycarboxylic acid and laminates therefrom. 3,248,276, 4–26–66, Cl. 161—195.

Bean, Claude T., Jr., and D. H. Thorpe, to Hooker Chemical Corp. Unsaturated polyesters prepared by the sequential reaction of a phenol-aldehyde with a mono-oxinane or other hydroxyether forming compound, and a polycarboxylic acid. 3,283,030, 11–1–66, Cl. 260—842.

Bean, Henry S., T. V. Burns, R. L. Hayes, and M. Klein, to Bell Telephone Laboratories, Inc. Busy line call transfer system. 3,278,692, 10–11–66, Cl. 179—18.

Bean, Lawrence M., to Westinghouse Electric Corp. Parallel analog to digital converter. 3,284,794, 11–8–66, Cl. 340—347.

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Bean, Xarifa L.: *See*—
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Bear, Lawrence R., to Deere & Co. Adjustable link for hitch device and universal joint therefor. 3,238,809. 3–8–66, Cl. 74—504.

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Beard, Charles N., to Westinghouse Electric Corp. Controls for refrigeration systems having air cooled condensers. 3,289,420, 12–6–66, Cl. 62—183.

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Beard, Jack H., to Davy and United Engineering Co. Ltd. Press anvils. 3,273,490, 9–20–66, Cl. 100—229.

Beard, Jack H., to Davy and United Engineering Co. Ltd. Shear machine with means to drive shear in response to pressure build-up in gag ram drive. 3,279,292, 10–18–66, Cl. 83—380.

Beard, Joe, and L. E. Henderson, to Henderson Welding Works, Inc. Apparatus for stacking and unstacking longitudinal objects. 3,250,409, 5–10–66, Cl. 214—77.

Beard, Ralph L., and J. F. Hester, to Hanes Corp. Garment construction. 3,281,863, 11–1–66, Cl. 2—113.

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Beard, Walter C., Jr., to The Risdon Mfg. Co. Tiltable, sequentially operated valves for pressurized package. 3,254,676, 6–7–66, Cl. 137—630.22.

Beard, William D., to C-B Tool Co. Chain saw bar-adjusting device. 3,267,973, 8–23–66, Cl. 143—32.

Beard, William E., to C. F. Buts Engineering. Grinding mill and blower combination. 3,260,468, 7–12–66, Cl. 241—43.

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Bearden, William G.: *See*—
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Hujsak, Karol L., and Bearden. 3,244,229.

Bearden, William G., and G. C. Howard, to Pan American Petroleum Corp. Method of lining pipe with cement. 3,249,665, 5–3–66, Cl. 264—94.

Beardmore, Donald E., and R. J. Costanzo, to Harvey Hubbell Inc. Power line signal system having a relay controlled indicator at the receiver. 3,283,316, 11–1–66, Cl. 340—310.

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Beardow, George M., to Vitramon, Inc. Electromagnetic actuator. 3,249,823, 5–3–66, Cl. 317—191.

Beardow, George M., to Vitramon, Inc. Actuator device for an instrumentality having a movable operator. 3,281,562, 10–25–66, Cl. 200—153.

Beardsley, Melville W. Marine craft propulsion system. 3,251,334, 5–17–66, Cl. 115—49.

Beardsley, Melville W., to A. F. Starobin. Air cushion vehicles with manuvering and forward propulsion controls. 3,285,357, 11–15–66, Cl. 180—7.

Beare, Leonard E.: *See*—
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Beare, Robert B., to Borg-Warner Corp. Timer switch mechanism. 3,227,826, 1–4–66, Cl. 200—38.

Beare, Robert B., to Borg-Warner Corp. Coil clutch with resilient latch. 3,277,986, 10–11–66, Cl. 192—26.

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Beasley, George A.: *See*—
Rudd, Milo O., Tripp, and Beasley. 3,226,887.

Beasley, Jack M., and H. Greenewald, Jr., to Ling-Temco-Vought, Inc. Heating means and method. Re. 25,958, 2–22–66, Cl. 13—1.

Beasley, Jack O. Vehicle speed alteration indicator. 3,283,301, 11–1–66, Cl. 340—66.

Beasley, Silas V., and W. J. Quinn, Jr., to McGraw-Edison Co. Commercial broiler. 3,238,863, 3–8–66, Cl. 99—446.

Beasley, William D., to The Hamby Co. Metering device for granular material. 3,258,162, 6–28–66, Cl. 222—41.

Beasley, William H., Jr., and J. R. Hogan, to E. I. du Pont de Nemours and Co. Drying apparatus. 3,287,822, 11–29–66, Cl. 34—157.

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Baker, Marshall W., and Beatenbough. 3,242,687.

Beatenbough, Paul K., and R. W. Bishop, to General Motors Corp. Crossflow radiators. 3,275,070, 9–27–66, Cl. 165—111

Beatenbough, Paul K., and E. F. Lewis, to General Motors Corp. Shaftless unbalanced thermostatic valve. 3,292,856, 12–20–66, Cl. 236—34.

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Beattie, Horace S., and J. E. Hickerson, to International Business Machines Corp. Printing head with means to position head before striking movement begins. 3,247,941, 4–26–66, Cl. 197—55.

Beattie, Horace S., and W. F. Voit, Jr., to International Business Machines Corp. Deserializer and transducer therefor. 3,276,690, 10–4–66, Cl. 235—201.

Beattie, John R., to Pilkington Bros. Ltd. Radiant-type cooler in apparatus for producing glass in ribbon form. 3,275,430, 9–27–66, Cl. 65—204.

Beattie, John R., to Pilkington Bros. Ltd. Methods and apparatus for producing toughened glass. 3,293,022, 12–20–66. Cl. 65—114.

Beattie, John R., to Pilkington Bros. Ltd. Apparatus for annealing glass. 3,294,513, 12–27–66, Cl. 65—194.

Beattie, Kenneth B. and R. P. Beattie II, and R. F. De Santis, to Kenro Corp. Copying camera. 3,290,989, 12–13–66, Cl. 88—24.

Beattie, Peter E., to Ford Motor Co. Thrust bearings. 3,293,931, 12–27–66, Cl. 74—325.

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Beatty, David L. Universally pivoted switch actuator mechanism. 3,229,059, 1–11–66, Cl. 200—61.41.

Beatty, Donald C. Self-regulating compression amplifier. 3,275,946, 9–27–66, Cl. 330—141.

Beatty, Eugene F., to The Bendix Corp. Brake adjuster. 3,261,435, 7–19–66, Cl. 188—196.

Beatty, John W., to General Electric Co. Gas blast circuit breaker of the axial blast-type with magnetic means for rotating an arc terminal. 3,274,365, 9–20–66, Cl. 200—148.

Beatty, Julian L., and F. O. Bach, to A. B. Dick Co. Thermographic method for imaging an offset master. 3,247,793, 4–26–66, Cl. 201—149.2.

Beaty, Allen E., to General Motors Corp. Externally adjustable voltage regulator having permanent magnet control. 3,244,945, 4–5–66, Cl. 317—172.

Beaty, Charles A. Cavity termination for microwave oscillators. 3,249,890, 5–3–66, Cl. 331—98.

Beaubien, Stewart J., and N. H. G. Daniels, to Shell Oil Co. Metal working process. 3,250,103, 5–10–66, Cl. 72—42.

Beauchaine, Alvah D., to W. A. Beauchaine & Sons, Inc. Electrical connector. 3,271,728, 9–6–66, Cl. 339—217.

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Beaudoin, Leonard W., and L. W. Leniewski, to Allen-Bradley Co. Permanent magnet pole piece. 3,277,324, 10–4–66, Cl. 310—154.

Beaudoin, Norman R., to General Electric Co. Circuit breaker with high and low overcurrent means for disengaging the latch. 3,263,045, 7–26–66, Cl. 200—88.

Beaudoin, Reno M., and T. H. Krengel, to Allied Tube & Conduit Corp., Heating means and method for continuous galvanizing process. 3,231,708, 1–25–66, Cl. 219—10.61.

Beaudoin, Robert E., to Pacific Flush Tank Co. Apparatus for aerating water. 3,235,234, 2–15–66, Cl. 261—24.

Beaufrere, Albert H., and L. E. Johnson, to Caterpillar Tractor Co. Rotary regenerator. 3,294,156, 12–27–66, Cl. 165—9.

Beaulieu, Raymond D., and B. Freedman, to Monsanto Co. Thermoplastic styrene polymer composition. 3,245,829, 4–12–66, Cl. 117—100.

Beaulieu, Raymond D., and J. R. Le Blanc, to Monsanto Co. Phenolic resin and battery separator impregnated therewith. 3,247,025, 4–19–66, Cl. 136—146.

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Beautiful Bryans, Inc.: *See*—
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Beautiline Ltd.: *See*—
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Beauzee, Claude, to North American Philips Co., Inc. Method of manufacturing photo-electric semi-conductor devices. 3,261,074, 7–19–66, Cl. 29—25.3.

Beaven, Clifford H. J., to General Precision Systems Ltd. Apparatus capable of indicating the extent of highway usage by a road vehicle. 3,257,640, 6–21–66, Cl. 340—32.

Beaver, David J.: *See*—
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Stoffel, Paul J., and Beaver. 3,242,039.

Beaver, David J., and P. J. Stoffel, to Monsanto Co. Method for controlling fungi with esters of dicarboxylic acids. 3,242,040, 3–22–66, Cl. 167—22.

Beaver, Edward L. Basket support. 3,285,686, 11–15–66, Cl. 312—329.

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Henderson, Courtland M., and Beaver. 3,285,018.
Henderson, Courtland M., and Beaver. 3,285,019.

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Beaver, Millard B. Type having flexible base of varying thickness to form hinge means. 3,230,880, 1–25–66, Cl. 101—380.

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Beaver, Roy L., and R. L. McDonnell, to General Electric Co. Voltage regulating system. 3,255,403, 6–7–66, Cl. 323—43.5.

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Beaver, Wallace W., R. M. Paine, and A. J. Stonehouse, to The Brush Beryllium Co. Sintered intermetallic bodies composed of aluminum and niobium or tantalum. 3,231,344, 1–25–66, Cl. 29—192.

Beavers, Dorothy J., C. V. Wilson, and C. F. H. Allen, to Eastman Kodak Co. Sensitizers for photographic silver halide emulsions. 3,253,919, 5–31–66, Cl. 96—50.

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Hurwitz, Marvin J., and Beavers. 3,262,380.
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Beavers, Ellington M., and J. L. O'Brien, to Rohm & Haas Co. Monoepoxybicyclic acrylates and methacrylates, and their polymers. 3,255,162, 6–7–66, Cl. 260—86.1.

Beavers, Robert G., to General Electric Co. Thrust reverser. 3,262,268, 7–26–66, Cl. 60—35.54.

Beavers, Robert G., to General Electric Co. Thrust reverser. 3,262,270, 7–26–66, Cl. 60—35.54.

Beavers, Robert G., to General Electric Co. Thrust reverser. 3,262,271, 7–26–66, Cl. 60—35.54.

Beavers, Robert G., and C. G. Dibble, to General Electric Co. Exhaust flow turning means for turbofan type engines. 3,279,181, 10–18–66, Cl. 60—226.

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Bebbington, Frank, and J. B. Rose, to Imperial Chemical Industries Ltd. Polymerisation of ethylene in the presence of aluminum trimethyl and titanium-trichloride which has been mixed one minute prior to injection into the reactor. 3,291,784, 12–13–66, Cl. 260—94.9.

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Bech, Edgar C., and G. J. Gardelle, to Safety Lind Corp. Safety lowering device. 3,261,590, 7–19–66, Cl. 254—160.

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Bèche, Hans. Drop forge press on the like with a pressure medium drive. 3,277,691, 10–11–66, Cl. 72—453.

Becher, Frederick W., and L. N. King, to Radiant Baseboard Panels, Inc. Finned tube heating element. 3,258,066, 6–28–66, Cl. 165—55.

Becher, Frederick W., and L. N. King, to Radiant Baseboard Panels, Inc. Baseboard-type heating unit. 3,263,746, 8–2–66, Cl. 165—55.

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Becherer, Hans K., deceased, by I. F. Becherer, widow and legal representative, to General Motors Corp. Semiconductor device and method of fabricating the same. 3,240,631, 3–15–66, Cl. 148—1.5.

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Juilfs, Albert G. and G. C., and Becht. 3,273,777.
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Bechtold, Max F., to E. I. du Pont de Nemours and Co. High temperature-resistant materials of aluminum, boron, carbon, nitrogen and silicon, and their preparation. 3,262,762, 7–26–66, Cl. 29—182.5.

Bechtold, Max F., to E. I. du Pont de Nemours and Co. Biaxially oriented film of acrylonitrile polymers and process. 3,275,612, 9–27–66, Cl. 260—88.7.

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Beck, Alfred. Wrench having sliding side jaws adjustable by means of a bar having right and left threads. 3,253,486, 5–31–66, Cl. 81—163.

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Beck, Erich. Method of compacting and agglomerating thermoplastic materials ranging from powders to granules. 3,278,661, 10–11–66, Cl. 264—68.

Beck, Erich, and W. Bosch. Apparatus for plastifying and extruding thermoplastic material. 3,280,425, 10–25–66, Cl. 18—8.

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Meyer, Kenneth I., and Beck. 3,275,922.

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Beck, George W. Traction structure for motor vehicles. 3,239,277, 3–8–66, Cl. 301—47.

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Beck, Henry N., to Dow Corning Corp. Silicone elastomers. 3,280,071, 10–18–66, Cl. 260—46.5.

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Beck, Kenneth H., and W. L. Shepley, to Curtiss-Wright Corp. Ultrasonic position indicator system. 3,237,150, 2–22–66, Cl. 340—1.

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Beck, Roland D., to Robertshaw Controls Co. Programmer valve. 3,233,629, 2–8–66, Cl. 137—624.18.

Beck, Roland D., and H. Watari, to Robertshaw Controls Co. Pneumatic actuator controls system. 3,237,529, 3–1–66, Cl. 91—413.

Beck, Roland D., and H. Watari, to Robertshaw Controls Co. Rotary valving mechanism. 3,237,644, 3–1–66, Cl. 137—624.18.

Beck, Roland D., T. H. David, Jr., A. R. Davis, Jr., D. A. Doyle, and J. H. Gelger, to Robertshaw Controls Co. Diaphragm type air pump. 3,255,956, 6–14–66, Cl. 230—55.

Beck, Roland D., E. F. Smock, and R. W. Houser, to Robertshaw Controls Co. Pneumatic programmer. 3,286,730, 11–22–66, Cl. 137—550.

Beck, Ronald A., to Corning Glass Works. Method of forming a patterned electroconductive coating. 3,240,624, 3–15–66, Cl. 117—212.

Beck, Rudolf. Electric heating appliances. 3,230,347, 1–18–66, Cl. 219—469.

Beck, Rudolf, to Hans J. Zimmer Verfahrenstechnik. Reducing valves. 3,243,157, 3–29–66, Cl. 251—122.

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Beck, Thomas M., and E. N. Walsh, to Stauffer Chemical Co. Polyurethane containing a dialkylalkanolaminoalkylphosphonate. 3,235,517, 2–15–66, Cl. 260—2.5.

Beck, Timothy E. H., and C. E. Banks, to General Motors Corp. Rotor blade locking. 3,252,687, 5–24–66, Cl. 253—77.

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Becke, Friedrich, and G. Mutz, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of aromatic cyanocarboxylic acids. 3,261,860, 7–19–66, Cl. 260—465.

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Becker, Arno. Needle strip for stretching machines. 3,238,-651, 3–8–66, Cl. 38—102.91.

Becker, Arnold E. Pipe support. 3,285,552, 11–15–66, Cl. 248—68.

Becker, Arnold F., to Bemis Co., Inc. Method of manufacturing bags. 3,254,574, 6–7–66, Cl. 93—35.

Becker, Arnold F., to Bemis Co., Inc. Bags. 3,261,267, 7–19–66, Cl. 93—35.

Becker, Bernard B., and F. W. Dorion, to Lewis-Shapard Co. Means for raising and lowering pallet ford extensions. 3,261,617, 7–19–66, Cl. 280—43.12.

Becker, Byron G., and W. E. A. Schmidt, to Western Electric Co., Inc. Article coating apparatus having vibratory feed. 3,261,322, 7–19–66, Cl. 118—47.

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Becker, Ernst, and R. Kling, to Quick-Rotan Becker & Co. Presser foot drive for sewing machines. 3,230,915, 1–25–66, Cl. 112—239.

Becker, Ewald G., and T. Wieske, to Lever Bros. Co. Polymerization method using novel surface-active agents. 3,288,-772, 11–29–66, Cl. 260—89.5.

Becker, Floyd K., R. W. Lucky, and E. Port, to Bell Telephone Laboratories, Inc. Transversal equalizer for digital transmission systems wherein polarity of time-spaced portions of output signal controls corresponding multiplier setting. 3,292,110, 12–13–66, Cl. 333—18.

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Becker, Paul. Water-borne transport and dispensing vehicle. 3,228,539, 1–11–66, Cl. 214—15.

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Becker, Raymond F., to Ray F. Becker Co. Panel wall structures. 3,287,868, 11–29–66, Cl. 52—220.

Becker, Rudolf, to Gesellschaft fur Linde's Eismaschinen Aktiengesellschaft. Method of and apparatus for the transportation and storage of liquefied gases. 3,254,498, 6–7–66, Cl. 62—45.

Becker, Rudolf, to Gesellschaft fur Linde's Eismaschinen Aktiengesellschaft. Plate condenser evaporator. 3,256,704, 6–21–66, Cl. 62—42.

Becker, Rudolf, to Linde Aktiengesellschaft. Regenerative heat exchange in low temperature gas fractionation. 3,260,056, 7–12–66, Cl. 62—13.

Becker, Rudolf, to Linde Atkiengesellschaft. Two stage rectification process for separating a mixture of ethane, ethylene and acetylene. 3,260,057, 7–12–66, Cl. 62—17.

Becker, Rudolf, to Linde Aktiengesellschaft. Process for producing oxygen by fractionation of air at low temperatures in small installations. 3,266,259, 8–16–66, Cl. 62—14.

Becker, Rudolf, to Gesellschaft fur Linde's Eismaschinen Aktiengesellschaft. Rectification of liquid mixtures boiling at low temperatures. 3,269,131, 8–30–66, Cl. 62—30.

Becker, Rudolf, to Gesellschaft fur Linde's Eismaschinen Aktiengesellschaft. High pressure pure gas for preventing contamination by low pressure raw gas in reversing regenerators. 3,280,574, 10–25–66, Cl. 62—13.

Becker, Stephen P., to Fargo Mfg. Co., Inc. Hinged dead end. 3,274,654, 9–27–66, Cl. 24—125.

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Beckett, Reginald W., deceased, by M. J. Beckett, executrix. Hydraulic pulsation absorber. 3,273,596, 9–20–66, Cl. 138—30.

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Beckjord, Eric S., P. J. Fellows, and R. R. Hobson, to United States of America, Atomic Energy Commission. Thermionic nuclear reactor. 3,259,766, 7–5–66, Cl. 310—4.

Beckley, Robert W., and W. F. Ettlich, to General Service Co. Method and apparatus for continuously monitoring water being treated to remove turbidity therefrom. 3,262,878, 7–26–66, Cl. 210—53.

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Begley, John W., to Phillips Petroleum Co. Hydrodealkylation process. 3,284,525, 11–8–66, Cl. 260—672.

Begley, John W., R. W. Carney, and L. C. Kahre, to Phillips Petroleum Co. Process for separation of hydrocarbons from more saturated hydrocarbons with ethylene diamine solvent. 3,284,339, 11–8–66, Cl. 208—87.

Bego, Robert E., W. J. Thomas, and A. N. Voltattorni, to Progress Pattern Co. Blow tube structure with removable liner. 3,235,921, 2–22–66, Cl. 22—10.

Beguin, Fred P., to American Optical Co. Optical sound recording and reproduction. 3,235,672, 2–15–66, Cl. 179—100.3.

Beguin, Maurice, to Le Portescap S.A. Clock with release mechanism. 3,204,817, 8–9–66, Cl. 58—21.15.

Beguin, Rene, A. Corbaz, and S. Ramseier. Electromagnetic needle selection mechanism. 3,262,285, 7–26–66, Cl. 66—50.

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Behles, Franz G. F., to Daimler-Benz Aktiengesellschaft. Automatic control mechanism for maintaining the body of an automobile at a constant level. 3,262,711, 7–26–66, Cl. 280—6.1.

Behm, Carl M. Rotor balancing device. 3,272,015, 9–13–66, Cl. 73—470.

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Neugebauer, Wilhelm, Tomanek, and Behmenburg. 3,245,783.

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Behn, William R., to Educational Testing Service. Test response device. 3,258,857, 7–5–66, Cl. 35—48.

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Behner, Otto, H. Henecka, F. Hoffmeister, H. Kreiskott, W. Meiser, H. W. Schubert, and W. Wirth, to Farbenfabriken Bayer Aktiengesellschaft. Novel 2-phenylamino-4H-5,6-dihydro-1,3-thiazine derivatives. 3,228,935, 1–11–66, Cl. 260—243.

Behner, Otto, H. Henecka, F. Hoffmeister, H. Kreiskott, W. Meiser, H. W. Schubert, and W. Wirth, to Farbenfabriken Bayer Aktiengesellschaft. Novel 2-phenylamino-4H-5,6-dihydro-1,3-thiazine derivatives. 3,235,550, 2–15–66, Cl. 260—243.

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Behrens, Charles A., to National Mfg. Co. Door latch mechanism. 3,246,922, 4–19–66, Cl. 292—128.

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Behrens, Milton D., to Texaco Inc. Manifold afterburner device for exhaust emissions control in an internal combustion engine system. 3,247,666, 4–26–66, Cl. 60—30.

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Behringer, Wray K., and G. W. Burhoe. Portable light. 3,242,331, 8–29–66, Cl. 240—11.4.

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Beigelman, Michel, and A. Salvadori, to Service National dit: Gaz de France. Fuel battery and method of operating same. 3,288,647, 11–29–66, Cl. 136—86.

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Beitchman, Burton D., and W. E. Erner, to Air Products and Chemicals, Inc. Polymerization process utilizing dizabicyclooctane alkylene oxide catalysis. 3,294,753, 12–27–66, Cl. 260—77.5.

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Belanger, Celestin V., to H. W. Allen. O-ring seating tool. 3,289,286, 12–6–66, Cl. 29—235.

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Belanger, William J., to Devoe & Raynolds Co. Coating compositions comprising epoxy resin fatty acid ester-hydrocarbon resin reaction products. 3,294,721, 12–27–66, Cl. 260—23.7.

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Bell, Gordon W., and G. C. Carroll, to United States of America, Air Force. Alkali metal borohydride and boron halide determination process. 3,234,562, 2–8–66, Cl. 204—1.

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Benecke, Harold F. Grain dryer. 3,237,315, 3–1–66, Cl. 34—65.

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Benedict, Robert A., and P. E. Carroll, to The Babcock & Wilcox Co. Fluid pressurizer. 3,245,463, 4–12–66, Cl. 165—105.
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Bengtsson, Bertil S., to Sigma Instruments Inc. Contact element assembly including positioning means. 3,236,987, 2–22–66, Cl. 200—166.
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Benjamin, Gordon L., Jr., to Warren Electric Corp. Heat exchanger for pre-heating fluids. 3,265,857, 8–9–66, Cl. 219—331.
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Benmussa, Henri, P. R. L. Marty, and S. Kobus, to International Standard Electric Corp. Telephone system with electronic selection. 3,242,265, 3–22–66, Cl. 179—18.
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Bennett, Allan I., to Westinghouse Electric Corp. Apparatus for producing crystalline semiconductor material. 3,251,655, 5–17–66, Cl. 23—273.
Bennett, Allan I., Jr., C. H. Church, J. J. Coleman, S. O'Hara, W. J. Smith, and R. C. Stewart, to Westinghouse Electric Corp. Apparatus for producing crystals. 3,244,486, 4–5–66, Cl. 23—273.
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Bennett, Arthur W., W. A. Knecht, and G. B. Soden, to Consolidated Electronics Industries Corp. Motor driven multiple timing switch mechanism. 3,231,699, 1-25-66, Cl. 200—92.

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Bennett, Clarence L., to Continental Oil Co. Readout apparatus for continuously determining concentration of radiation attenuating substances in a flowing stream. 3,254,214, 5-31-66, Cl. 250—43.5.

Bennett, Clifton R. Device for sorting and checking freight bills. 3,291,545, 12-13-66, Cl. 312—183.

Bennett, Dale E., B. L. Famiglietti, and R. J. Meisch, to North American Aviation, Inc. Lateral maneuver indicator. 3,293,641, 12-20-66, Cl. 343—5.

Bennett, Darien, to Sigma Engineering Corp. Trench shoring device. 3,230,720, 1-25-66, Cl. 61—41.

Bennett, Dean J. Insulation support. 3,231,944, 2-1-66, Cl. 52—406.

Bennett, De Witt C. Induction methods and apparatus. 3,259,308, 7-5-66, Cl. 230—206.

Bennett, Donald C. Bistable magnetic film and method for making same. 3,232,787, 2-1-66, Cl. 117—107.2.

Bennett, Donald C., to Merck & Co., Inc. Continuous growth of crystalline materials. 3,249,404, 5-3-66, Cl. 23—273.

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Bennett, Elmer H., to Foster Metal Products Inc. Expansible band with detachable links. 3,237,395, 3-1-66, Cl. 59—82.

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Bennett, Jack F., R. L. Brown, Jr., A. T. Heron, and R. E. Lienhard, to Esso Research and Engineering Co. Discounted cash flow return rate template. 3,289,931, 12-6-66, Cl. 235—89.

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Neilson, Dan A., and Bennett. 3,228,006.
Sharp, Richard S., Neilson, and Bennett. 3,274,558.

Bennett, John D., to Sun Oil Co. Preparation of cores for analysis. 3,258,209, 6-28-66, Cl. 241—62.

Bennett, John D., P. E. Chaney, J. W. Jones, and F. M. Mayes, to Sun Oil Co. Apparatus for recording pressure conditions in bore holes. 3,232,115, 2-1-66, Cl. 73—398.

Bennett, John D., and J. W. Peret, to Sun Oil Co. Rotative gas lift system. 3,272,146, 9-13-66, Cl. 103—232.

Bennett, John, P. E. Chaney, J. W. Jones, and F. M. Mayes, to Sun Oil Co. Apparatus for the production of bore hole logs. 3,233,214, 2-1-66, Cl. 340—15.5.

Bennett, John, P. E. Chaney, J. W. Jones, and F. M. Mayes, to Sun Oil Co. Bore hole logging apparatus having rate of descent controlling means and a flexible cable member carrying a detector element. 3,237,093, 2-22-66, Cl. 324—1.

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Bennett, Moreland P., to General Electric Co. Method of making an electrical connection. 3,231,964, 2-1-66, Cl. 29—155.5.

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Bennett, Raymond G., and W. H. Risse, to Novo Industrial Corp. Fluorescent tracer technique for detecting defects in air permeable bodies. 3,293,431, 12-20-66, Cl. 250—71.

Bennett, Raymur B., to Curtiss-Wright Corp. Hydraulically operable pitch aircraft propeller. 3,240,275, 3-15-66, Cl. 170—160.32.

Bennett, Raymur B., M. E. Cushman, and T. W. Khiralla, to Curtiss-Wright Corp. Compound planetary speed reducer. 3,258,995, 7-5-66, Cl. 74—801.

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Bennett, Robert F. Rotary crane with split race bull wheel. 3,250,400, 5-10-66, Cl. 212—46.

Bennett, Robert L., and R. L. Kline, to American Air Filter Co., Inc. Wet dust separator. 3,236,031, 2-22-66, Cl. 55—238.

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Bennett, Royston H., and W. Hopkin, to The National Smelting Co. Ltd. Dehalogenation of organic compounds. 3,259,663, 7-5-66, Cl. 260—650.

Bennett, Russell B.: *See*—
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Bennett, Thomas E., and V. S. Lobanoff, to Ingersoll-Rand Co. Vortex pump. 3,255,701, 6-14-66, Cl. 103—104.

Bennett, Thomas H., and R. F. Kowalik, to Automatic Electric Laboratories, Inc. Multifrequency signal receiver. 3,288,940, 11-29-66, Cl. 179—84.

Bennett, Vern O. Garbage can holder. 3,280,988, 10-25-66, Cl. 211—71.

Bennett, Willard H. Means for producing focused high density electron streams. 3,230,419, 1-18-66, Cl. 315—111.

Bennett, Willard H., to The Boeing Co. Navigation system utilizing ion probes. 3,276,725, 10-4-66, Cl. 244—14.

Bennett, William F. Boat steering mechanism. 3,263,640, 8-2-66, Cl. 114—144.

Bennett, William N., to Fitchburg Paper Co. Drying pulp and paper by a high-frequency electric field. 3,266,164, 8-16-66, Cl. 34—1.

Bennett, William N., to Fitchburg Paper Co. Pulp flow apron for paper making machine. 3,269,892, 8-30-66, Cl. 162—343.

Bennett, William N., to Fitchburg Paper Co. Stock flow apron for a Fourdrinier wire. 3,281,314, 10-25-66, Cl. 162—353.

Bennett, William O., and W. W. Mutter, to Bulova Watch Co., Inc. Stress limiter for electronic timepiece indexing mechanism. 3,257,794, 6-28-66, Cl. 58—23.

Bennett, William O., and W. W. Mutter, to Bulova Watch Co., Inc. Time setting mechanism for electronic timepieces. 3,262,259, 7-26-66, Cl. 58—85.5.

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Bennett, William T.: *See*—
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Bennett, Winton J. Thrifty camper lift assembly. 3,269,574, 8-30-66, Cl. 214—515.

Bennewitz, Robert H., and H. R. Hedlund, to Union Carbide Corp. Thermal hardening of rails. 3,266,956, 8-16-66, Cl. 148—131.

Bennies, Franz W., to Fritz Hesselbein Chemische Fabrik. Repair patch for damaged pneumatic tires of automotive vehicles. 3,267,981, 8-23-66, Cl. 152—367.

Benning, Anthony F., and C. A. Sandy, to E. I. du Pont de Nemours and Co. Process for making tetraethyl lead. 3,239,548, 3-8-66, Cl. 260—437.

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Benoit, George J., Jr., to Chevron Research Co. Lubricant compositions. 3,247,109, 4-19-66, Cl. 252—32.7.

Benoit, George J., Jr., to Chevron Research Co. Synthetic lubricant composition. 3,251,771, 5-17-66, Cl. 252—32.7.

Benoit, Jean, to Le Joint Francais. Toric packing. 3,288,475, 11-29-66, Cl. 277—205.

Benoit, Roland A.: *See*—
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Benoit, Roland A., and R. F. Gingras, to Royalmetal Corp. Control device for adjustable beds. 3,256,534, 6-21-66, Cl. 5—66.

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McCorkindale, Lawrence W. 3,257,653.

Benschop, Jacobus P., and J. J. Broodman, to Apparaten-en Ketelfabriek Den Haag N.V. Means and methods for arc welding with a non-consumable rod electrode. 3,291,961, 12-13-66, Cl. 219—137.

Bensing, Gerald K., to Honeywell Inc. Difference switching. 3,238,388, 3-1-66, Cl. 307—88.5.

Bensing, Gerald K., to Honeywell Inc. Amplifier circuit with unipolar output independently of input polarity. 3,292,098, 12-13-66, Cl. 330—69.

Bensinger, Wolf-Dieter, H.-O. Derndinger, R. Schick, and H. Dobler, to Daimler-Benz Aktiengesellschaft. Rotary-piston internal combustion engine. 3,259,115, 7-5-66, Cl. 123—8.

Bensinger, Wolf-Dieter, H.-O. Derndinger, H. Lamm, and W. Springer, to Daimler-Benz Aktiengesellschaft. Rotary-piston internal combustion engine of trochoidal construction. 3,265,045, 8-9-66, Cl. 123—8.

Bensinger, Wolf-Dieter, H.-O. Derndinger, and F. G. F. Behles, to Daimler-Benz Aktiengesellschaft. Rotary piston internal combustion engine. 3,273,544, 9-20-66, Cl. 123—8.

Bensinger, Wolf-Dieter, and H.-O. Derndinger, to Daimler-Benz Aktiengesellschaft. Rotary piston internal combustion engine. 3,292,601, 12-20-66, Cl. 123—8.

Benson, Albert H. Collapsible vessels. 3,280,721, 12-6-66, Cl. 150—.5.

Benson, Albert J., to Collins Radio Co. Circuit for synchronizing firing of diodes in diode-controlled rectifier. 3,273,045, 9-13-66, Cl. 321—43.

Benson, Alvin I., and B. L. Crim, to Patent & Development, Inc. Power take-off connection. 3,233,471, 2-8-66, Cl. 74—11.

Benson, Bengt A. Perception apparatus for the blind. 3,250,023, 5-10-66, Cl. 35—35.

Benson, Carl F., to The Torrington Co. Thrust bearing. 3,240,543, 3-15-66, Cl. 308—235.

Benson, Carl F., to The Torrington Co. Roller radial thrust bearing. 3,281,191, 10-25-66, Cl. 308—212.

Benson, Carl F., and J. P. Torrant, to The Torrington Co. Drawn race bearing of superior roundness and dimensional characteristics. 3,239,290, 3-8-66, Cl. 308—207.

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Benson, Ernest J.: *See*—
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Benson, Harold R., to The Nuarc Co. Sink. 3,294,004, 12-27-66, Cl. 95—96.

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Palopoli, Frank P., Benson, Allen, and Schumann. 3,244,700.

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Benson, Howard F., to General Dynamics Corp. Piezoelectric transformer. 3,246,287, 4-12-66, Cl. 340—10.

Benson, Hyman. Educational device or toy. 3,239,951, 3-15-66, Cl. 35—74.

Benson, Hyman. Arithmetical teaching device. 3,289,324, 12-6-66, Cl. 35—31.

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Benson, James M.: *See*—
Rudnicki, William E., and Benson. 3,270,583.

Benson, James M., to Hastings-Raydist, Inc. Thermal flowmeter. 3,229,522, 1-18-66, Cl. 73—204.

Benson, James M., and C. E. Hawk, to Hastings-Raydist, Inc. Heat transfer measuring apparatus. 3,260,113, 7-12-66, Cl. 73—359.

Benson, James M., and G. F. Quittner, to Hastings-Raydist, Inc. Fluid operated filament diameter measuring device. 3,282,085, 11-1-66, Cl. 73—37.7.

Benson, Jewell R. Membrane-liner and process of manufacture. 3,252,851, 5-24-66, Cl. 161—236.

Benson, John C., to Allis-Chalmers Mfg. Co. Operating mechanism. 3,252,344, 5-24-66, Cl. 74—100.

Benson, John O., to General Mills, Inc. Puffing food products. 3,253,533, 5-31-66, Cl. 99—238.5.

Benson, John O., to General Mills, Inc. Continuous deep fat fryer. 3,274,920, 9-27-66, Cl. 99—404.

Benson, Joseph L. Launching device for model airplanes. 3,232,564, 2-1-66, Cl. 244—63.

Benson, Keith W., Jr., to National Mfg. Co. Magnetic catch. 3,235,302, 2-15-66, Cl. 292—251.5.

Benson, Lee B.: *See*—
Kleinbard, Myron A., and Benson. 3,277,498.

Benson Optical Co., The: *See*—
Haugen, Norman D. 3,294,472.
Haugen, Norman D. 3,294,473.

Benson, Richard E., to E. I. du Pont de Nemours and Co. Dicyano methylene steroids of the androstane and pregnane series. 3,235,571, 2-15-65, Cl. 260—397.

Benson, Richard E., to E. I. du Pont de Nemours and Co. Organometallic compounds and processes. 3,255,195, 6-7-66, Cl. 260—270.

Benson, Richard W. H., to Imperial Chemical Industries Ltd. Spinning of polypropylene. 3,233,023, 2-1-66, Cl. 264—168.

Benson, Robert H., and S. V. Minskey, Jr., to Mannis Winch and Steel Co. Tensioning device. 3,248,088, 4-26-66, Cl. 254—172.

Benson, Robert W., and D. R. Stokes, to Xerox Corp. Xerographic powder filter. 3,252,274, 5-24-66, Cl. 55—377.

Benson, Warren E., Jr., to Forté Engineering Corp. Apparatus for measurement of capacitivity of materials in large bulk form having movable support and guide means. 3,247,455, 4-19-66, Cl. 324—61.

Benson, Warren E., Jr., to Forté Engineering Corp. Field-masking in capacitive moisture-content measurements of objects having metal straps. 3,284,706, 11-8-66, Cl. 324—61.

Benson, William C.: *See*—
Ajero, Fortunato S., and Benson. 3,268,099.

Benson, Wilfred Y., to Anelex Corp. Automatic rewinding apparatus. 3,266,745, 8-16-66, Cl. 242—67.4.

Bent, Arthur J.: *See*—
Doolittle, Charles, and Bent. 3,232,311.

Bent, Dennis H., D. L. King, E. T. Astley, and S. A. Kirk, to Crosfield Electronics Ltd. Control of splicing preprinted webs. 3,232,548, 2-1-66, Cl. 242—58.1.

Bent, John H., to Standard Pneumatic Motor Co. Pneumatic motor. 3,238,848, 3-8-66, Cl. 91—138.

Bent, John H., to Standard Pneumatic Motor Co. Fluid pressure-operated motor. 3,272,079, 9-13-66, Cl. 91—175.

Bent, John H., to Standard Pneumatic Motor Co. Automatic release pneumatic tool. 3,277,670, 10-11-66, Cl. 64—29.

Bent, William H.: *See*—
Mortimer, Frank R., Bent, and Farr. 3,278,243.

Bente, Alfred. Track shoe having heel cushioning means. 3,290,801, 12-13-66, Cl. 36—2.5.

Bentele, Max, to Curtiss-Wright Corp. Seal lubrication for rotary engines. 3,245,386, 4-12-66, Cl. 123—8.

Bentele, Max, to Curtiss-Wright Corp. Rotary combustion engine and method of operating same. 3,246,636, 4-19-66, Cl. 123—8.

Bentele, Max, C. Jones, F. A. Kling, and C. J. Slane, to Curtiss-Wright Corp. Air cooled rotary combustion engine. 3,289,650, 12-6-66, Cl. 123—8.

Benteler, Helmut, and W. Vogel, to Benteler-Werke AG. Werk Neuhaus. Apparatus for continuously producing welded tubing. 3,262,624, 7-26-66, Cl. 228—17.

Benteler-Werke A. G.: *See*—
Menne, Heinrich, and Weinreich. 3,271,850.

Benteler-Werke AG. Werk Neuhaus: *See*—
Benteler, Helmut, and Vogel. 3,262,624.

Bentley, Albert D., to General Electric Co. Drive mechanism for film strip. 3,292,444, 12-20-66, Cl. 74—206.

Bentley Engineering Co. Ltd.: *See*—
Kent, Alfred W. 3,230,743.
Kent, Alfred W. 3,283,544.
Peberdy, Roland. 3,245,231.
Peberdy, Roland. 3,283,539.
Wainwright, Carlyle H. 3,272,294.
Wainwright, Carlyle H., and Harris. 3,240,033.

Bentley, Floyd E.: *See*—
Peppel, William J., and Bentley. 3,268,561.

Bentley, Herman R.: *See*—
Watson, William B., and Bentley. 3,232,862.

Bentley, John M., to Westinghouse Electric Corp. Analog-to-digital conversion system. 3,261,012, 7-12-66, Cl. 340—347.

Bentley, John M., and J. H. Brown, to United States of America, Navy. Direct current digital-to-analogue decoder. Re. 26,076, 9-6-66, Cl. 340—347.

Bentley, William, to Pittsburgh Plate Glass Co. Glass bending mold positioning and orienting apparatus. 3,249,416, 5-3-66, Cl. 65—181.

Bentley, William, and E. Start, to William Cotton Ltd. Straight bar knitting machines. 3,252,306, 5-24-66, Cl. 66—89.

Bentley, William, and R. Blood, to William Cotton, Ltd. Straight bar knitting machines. 3,262,286, 7-26-66, Cl. 66—89.

Bentley, William, D. A. Cozens, and B. C. Strong, to William Cotton Ltd. Straight bar knitting machines. 3,287,936, 11-29-66, Cl. 66—82.

Bentley, William, and D. A. Cozens, to William Cotton Ltd. Straight bar knitting machines. 3,292,395, 12-20-66, Cl. 66—154.

Bentley, William A., to Microdot Inc. Coaxial switch having toggle actuated strip conductor plates. 3,227,969, 1-4-66, Cl. 333—7.

Bentley, William A., to Microdot Inc. Electrical connector. 3,227,993, 1-4-66, Cl. 339—177.

Bentley, William A., to Microdot, Inc. Sealed coaxial cable connector. 3,238,494, 3-1-66, Cl. 339—177.

Bentley, Wray D., Jr., to Automated Information Management Systems, Inc. Pliers having a rack and pawl coupling to produce treater force after the jaws close about the work. 3,253,487, 5-31-66, Cl. 81—342.

Bento, Robert: *See*—
Barditch, Irving F., and Bento. 3,244,995.

Bentolila, Jacques, and P. Cornuault, to Pechiney-Compagnie de Produits Chimiques et Electro-Metallurgiques. Method for manufacture of low permeability carbonaceous products. 3,280,231, 10-18-66, Cl. 264—29.

Benton Corp.: *See*—
Sherman, Clarence A. 3,258,054.
Sherman, Clarence A. 3,264,607.

Benton, John L., to Denry Corp. Foamed plastic field hospital litter bed. 3,247,529, 4–26–66, Cl. 5—82.

Benton, Kenneth R., to Owens-Corning Fiberglas Corp. Feeder for producing fibers. 3,272,609, 9–13–66, Cl. 65—1.

Benton, Raymond L., to Kayline Mfg., Inc. Mounting device for doors of jeep-type vehicles. 3,268,131, 8–23–66, Cl. 224—29.

Benton, Robert C., to Chemcut Corp. Digital hydraulic positioning device. 3,282,049, 11–1–66, Cl. 60—52.

Benton, Robert C., and R. R. Whitehouse, to Chemcut Corp. Apparatus for controlling the position of a machine tool table. 3,229,373, 1–18–66, Cl. 33—125.

Benttinen, Frederick L.: *See*—
Benttinen, Theodore H. and F. L.

Benttinen, Theodore H. and F. L. Fishing lure. 3,257,751, 6–28–66, Cl. 43—42.33.

Bentz, Erwin J. H., to Caterpillar Tractor Co. Engine cooling system. 3,237,614, 3–1–66, Cl. 123—41.49.

Bentz, Irvin C., to Clayton, Anderson & Co. Process for semi-continuous hydrogenation of fat. 3,271,433, 9–6–66, Cl. 260—409.

Bentz, Joseph W.: *See*—
Bayerm, Eric W., and Bentz. 3,274,523.

Bentzinger, Harlan A., to Chemical Products Corp. Apparatus for making printing plates. 3,237,244, 3–1–66, Cl. 18—5.

Bennsa, George G.: *See*—
Aurich, Peter F., Benusa, Schaff, and Straub. 3,245,860.

Benway, Robert E., to Radio Corp. of America. Cathode ray tube. 3,286,113, 11–15–66, Cl. 313—82.

Benz, Jakob, and A. Schweizer, to Sandoz, Ltd. (also known as Sandoz A.G.). Water-soluble reactive disazo dyes. 3,234,204, 2,8,66, Cl. 260—146.

Benz, Jakob, and H. Ischer, to Sandoz Ltd. Pyrimidine dyestuffs. 3,247,194, 4–19–66, Cl. 260—242.

Benz, Jakob, and H. Uehlinger to Sandoz Ltd. (a.k.a. Sandoz A.G.). Metallized monoazo dyestuffs containing a polyhalogenopyrimidyl radical. 3,288,776, 11–29–66, Cl. 260—146.

Benz, Stephen J., Jr., to Tension Envelope Corp. Window envelope for selectively exposing and concealing mailing addresses on an enclosure. 3,288,351, 11–29–66, Cl. 229—71.

Benz, Willi: *See*—
Musly, Hans, and Benz. 3,263,546.

Benz, Willi, to Schloemann Aktiengesellschaft. Means co-operable with a shear or saw assembly for assuring a proper length cut of rolled stock. 3,267,787, 8–23–66, Cl. 83—419.

Benzer, Merle L. Spark arrester for diesel locomotive engines. 3,273,326, 9–20–66, Cl. 55—434.

Benzing, Erhard F., to Monsanto Co. α,α'-Azoalkanes. 3,282,912, 11–1–66, Cl. 260—158.

Benzing, James A., to Champion Papers Inc. Apparatus for severing and conveying sheets. 3,267,782, 8–23–66, Cl. 83—94.

Benzing, Louis H.: *See*—
Dewey, Gordon C., Benzing, and Finkel. 3,256,519.

Benzinger, Robert P., to General Motors Corp. Ignition distributor mechanism. 3,249,100, 5–3–66, Cl. 123—117.1.

Benzinger, Theodor H. Thermopile and radiometer including same and method of producing thermopile. 3,267,727, 8–23–66, Cl. 73—190

Benzinger, Theodor H. Heat-burst microcalorimeter. 3,273,-968, 9–20–66, Cl. 23—253.

Benzinger, Theodor H., and L. Kiesow. Calorimetry for photochemical reactions. 3,245,758, 4–12–66, Cl. 23—230.

Beoletto, Joseph J., deceased, by S. B. Brubaker, heir and legal representative. Resilient mounting for vehicle operator's seat. 3,233,859, 2–8–66, Cl. 248—399.

Beppu, Ihei, to Kabushiki-Kaisha Takeiri Seisakusho. Filament drafting device for a spinning machine. 3,235,914, 2–22–66, Cl. 19—255.

Beppu, Ihei, to Kabushiki-Kaisha Takeiri Seisakusho. Apron band retainer for a filament drafting device. 3,243,854, 4–5–66, Cl. 19—254.

Beranek, Emil L., and R. J. Wilson, to Butler Mfg. Co. Perforated grain bin floor. 3,283,459, 11–8–66, Cl. 52—263.

Beranger, Alessandro: *See*—
Marconi, Walter, Beranger, and De Maldé. 3,242,156.
Marconi, Walter, Mazzei, Beranger, Araldi, and De Maldé. 3,245,976.

Beranger, Antoine. Tubular container made of flexible material. 3,259,296, 7–5–66, Cl. 229—5.5.

Berar, Nicholas, Jr., J. L. Chaivre, T. H. Risk, and R. P. Schmuckal, to Ford Motor Co. Ball joint suspension. 3,231,963, 2–1–66, Cl. 29—149.5.

Berardi, Anthony L.: *See*—
Sargolini. Leonardo C., and Berardi. 3,229,428.

Berardinelli, Frank M., to Celanese Corp. of America. Oxymethylene polymers stabilized with amino substituted amides. 3,274,149, 9–20–66, Cl. 260—45.8.

Berberian, John A.: *See*—
Tringale, Joseph, and Berberian. 3,288,005.

Berchielli, Aldo S., to Yardney International Corp. Electrode assembly for battery cells. 3,239,380, 3–8–66, Cl. 136—6.

Berchielli, Aldo S., and R. Di Pasquale, to Yardney International Corp. Electrodes and methods of making same. 3,271,195, 9–6–66, Cl. 136—67.

Berchtold, Jean, to Bell & Howell Co. Electronic system for viewing negative transparencies. 3,251,936, 5–17–66, Cl. 178—6.8.

Berchtold, Ludwig, and A. Schuster. Coupling device for ski binding cable. 3,282,597, 11–1–66, Cl. 280—11.35.

Berchtold, Ludwig, and A. Schuster. Safety jaw for safety bindings. 3,292,941, 12–20–66, Cl. 280—11.35.

Berck, Joseph, to Duracraft Products Inc. Upholstery cushion construction. 3,283,345, 11–8–66, Cl. 5—345.

Berck, William F., to Rockwell Mfg. Co. Counter apparatus. 3,231,191, 1–25–66, Cl. 235—132.

Berckhan, Delmar D., to Koehring Co. Wheel suspension for driven steerable wheels. 3,243,007, 3–29–66, Cl. 180—43.

Berdan, Betty L.: *See*—
Cerness, Joseph F., Selker, and Berdan. 3,282,809.
Luce, Betty M., Berdan, and Selker. 3,245,826.

Berdan, David, to Buck Engineering Co., Inc. Cross-bar distribution panel. 3,274,529, 9–20–66, Cl. 339—18.

Berdan, David, and J. A. Cowan, Jr., to Buck Engineering Co., Inc. Electrical experiment kit. 3,277,589, 10–11–66, Cl. 35—19.

Bereday, Sigmund. Tufted upholstery cushion. 3,266,065, 8–16–66, Cl. 5—356.

Bereday, Sigmund. Upholstery cushion construction. 3,266,-066, 8–16–66, Cl. 5—361.

Beredjick, Nicky, to Standard Oil Co. Method of retarding water surface evaporation. 3,258,306, 6–28–66, Cl. 21—60.5.

Beredjick, Nicky, to Standard Oil Co. Method of retarding water surface evaporation. 3,273,957, 9–20–66, Cl. 21—60.5.

Berenbaum, Arthur, to Philco Corp. Dryer control apparatus. 3,264,750, 8–9–66, Cl. 34—45.

Berenbaum, Morris B., to Thiokol Chemical Corp. Chelate burning rate modifiers. 3,248,410, 4–26–66, Cl. 260—429.

Berenbaum, Morris B., and R. C. Christena, to Thiokol Chemical Corp. Terpolymer of butadiene, acrylic acid and alkylfluoroacrylates, as burning rate modifiers. 3,235,421, 2–15–66. Cl. 149—19.

Berenbaum, Morris B., G. F. Bulbenko, R. H. Gobran, and R. F. Hoffman, to Thiokol Chemical Corp. Liquid carboxy-terminated polymers and preparation thereof with dicarboxylic acid peroxides. 3,235,589, 2–15–66, Cl. 260—533.

Berenbaum, Morris B., and R. H. Gobran, to Thiokol Chemical Corp. Method of coating metal with a vinylidene chloride copolymer and polyepoxide reaction product and article produced thereby. 3,236,683, 2–22–66, Cl. 117—132.

Berenbaum, Morris B., R. F. Foerster, R. H. Gobran, D. C. Guth, R. F. Snyder, T. F. Wells, III, and A. J. Yu, to Thiokol Chemical Corp. Coated cellophane article and process for obtaining the same. 3,284,276, 11–8–66, Cl. 161—184.

Berenbaum, Morris B., and R. H. Gobran, to Thiokol Chemical Corp. Curing of unsaturated polymers with triazine tri(sulfenyl chloride) and derivatives thereof. 3,290,273, 12–6–66, Cl. 260—79.5.

Berend, John R.: *See*—
Szego, Laszlo L. 3,283,480.
Szego, Laszlo L. 3,286,937.

Berends, Howard P.: *See*—
Harvey, John P., and Berends. 3,33,868.

Berenschot, Donald J.: *See*—
Diehn, Hans G., Berenschot, and Willholte. 3,282,849.

Berent, Raymond E. Portable sun dials. 3,266,151, 8–16–66, Cl. 33—62.

Beres, John F., and H. L. Weil, to Philco Corp. Transistor amplifier with bias compensation. 3,260,946, 7–12–66, Cl. 330—17.

Beres, Steven, W. R. O'Donnell, and W. Steiman, to Valve Corp. of America. Valve construction of pressurized dispensers. 3,283,785, 11–8–66, Cl. 137—628.

Beresford, James & Son Ltd.: *See*—
Kren, Robert. 3,275,662.

Beresinsky, Isaac, to Dagon Batey-Manguroth Le-Israel Ltd. Safety filling-grill. 3,241,673, 3–22–66, Cl. 209—395.

Beretta, Pier C., to Fabbrica d'Armi P. Beretta S.p.A. Foldable butt particularly suited for rifle convertible into a grenade thrower. 3,256,632, 6–21–66, Cl. 42—72.

Beretvas, Helen M. S., to Standard Oil Co. Grease. 3,252,-906, 5–24–66, Cl. 252—18.

Beretvas, Helen M. S., to Standard Oil Co. Arylcarbamyl compounds and grease compositions containing the same. 3,255,109, 6–7–66, Cl. 252—33.6.

Beretvas, Helen S., to Standard Oil Co. Lubricant addition agents and lubricant compositions containing same. 3,232,-874, 2–1–66. Cl. 252—37.2.

Berezansky, John D., and G. D. Gdovichin, to Jacbo, Inc. Magnetic and speed responsive flow device. 3,275,011, 9–27–66, Cl. 137—53.

Bereziat, Andre L., N. Bullukian, and L. G. Chelle, to Shell Oil Co. Closure assembly for containers. 3,227,317, 1–4–66, Cl. 221—83.

Berezin, Evelyn: *See*—
Leonard, Eugene, Richards, and Berezin. 3,256,514.
Welda, Robert L., Richards, and Berezin. 3,252,149.

Berezin, Gilbert H., and G. H. Harris, to The Dow Chemical Co. Esters of thio acids. 3,231,598, 1–25–66, Cl. 260—455.

Berg, Alex, to Boehringer Ingelheinz G.m.b.H. 2-(5',6',7',8'-tetrahydronaphthyl-1')-amino-imidazoline. 3,288,805, 11–29–66, Cl. 260—309.6.

Berg, Arthur A., to Berg Mfg. & Sales Co. Flip-type charging and exhaust valve. 3,249,123, 5–3–66, Cl. 137—625.26.

Berg, Arthur A., H. L. Dobrikin, and C. Horowitz, to Berg Mfg. & Sales Co. Delayed action spring brake assembly. 3,255,676, 6–14–66, Cl. 92—29.

Berg, Arthur A., and H. L. Dobrikin, to Berg Mfg. & Sales Co. Load modulation linkage. 3,256,047, 6–14–66, Cl. 303—22.

Berg, Clyde H. O.: *See*—
Vaell, Raoul, and Berg. 3,267,024.

Berg, Clyde H. O. Process and apparatus for the treatment of solids in vertical kilns. 3,284,915, 11–15–66, Cl. 34—10.

Berg, Daniel, to Westinghouse Electric Corp. Flexible electroluminescent cell. 3,263,110, 7–26–66, Cl. 313—108.

Berg, Daniel, to Westinghouse Electric Corp. Insulated electrical apparatus. 3,271,711, 9–6–66, Cl. 336—57.

Berg, Edward C. H.: *See*—
Marjoram, Ernest B., Berg, and Swanson. 3,242,837.

Berg, Edward T. Regiet and flashing therefor. 3,241,271, 3–22–66, Cl. 52—58.

Berg Electronics, Inc.: *See*—
Berg, Quentin, and Black. 3,276,098.
Gropp, Walter E., and Landman. 3,293,355.
Mancini, Lloyd. 3,262,087.
Mancini, Lloyd. 3,268,851.

Berg, Fred W., to Royal Typewriter Co., Inc. Clutch engagement delay mechanism. 3,276,561, 10–4–66, Cl. 197—65.

Berg, Harry, and A. R. Kinish; said Kinish assor. to said Berg. Variable spark gap for engine ignition systems. 3,244,924, 4–5–66, Cl. 313—146.

Berg, Heinrich: *See*—
Dobner, Rienhold, and Berg. 3,277,851.

Berg, Heinrich, and K. Weber, to G. M. Pfaff Ag. Firm. Connecting means for double needle sewing machines. 3,266,-449, 8–16–66, Cl. 112—221.

Berg, James R., to Parke, Davis & Co. Syringe. 3,244,173, 4–5–66, Cl. 128—218.

Berg, John W., to The Bendix Corp. Method of preparing and fluid pressure forming welded blanks. 3,238,610, 3–8–66, Cl. 29—421.

Berg, John W., to The Bendix Corp. Two stage forming with expanding skirt step. 3,285,045, 11–15–66. Cl. 72—54.

Berg Mfg. & Sales Co.: *See*—
Berg, Arthur A. 3,249,123.
Berg, Arthur A., and Dobrikin. 3,256,047.
Berg, Arthur A., Dobrikin, and Horowitz. 3,255,676.
Dobrikin, Harold L. 3,237,995.
Dobrikin, Harold L. 3,249,144.
Dobrikin, Harold L. 3,264,951.
Dobrikin, Harold L. 3,285,673.
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Klimak, Boleslaw, and Mastis. 3,245,428.

Berg, Morris: *See*—
Zollman, James A., and Berg. 3,290,171.

Berg, Paul O. Method and apparatus for unloading storage bins. 3,252,630, 5–24–66, Cl. 222—331.

Berg, Quentin, and R. W. Black, said Black assor. to Berg Electronics, Inc. Electric terminal applicator. 3,276,098, 10–4–66, Cl. 29—33.

Berg, Robert H. Peripherally locked and sealed orifice disk and method. 3,266,526, 8–16–66, Cl. 138—103.

Berg, Tomas: *See*—
Pettersson, Bror, Berg, Djuerberg, and Johansson. 3,265,-932.

Berg, Virgil J. Feather cutter. 3,286,572, 11–22–66, Cl. 83—467.

Berg, Willie. Unitary foldable choir riser. 3,229,430, 1–18–66, Cl. 52—183.

Bergan, Reuben A., to Dresser Industries, Inc. Method and apparatus for controlling a sealed atmosphere. 3,241,903, 3–22–66, Cl. 316—24.

Bergan, Reuben A., to Dresser Industries, Inc. Apparatus for determining the orientation of borehole instruments. 3,253,341, 5–31–66. Cl. 33—205.

Bergann, Friedrich, to Elastonwerk, Saller & Co. KG. Soilless plant culture substrate. 3,233,365, 2–8–66, Cl. 47—1.2.

Bergantini, Attilio R., to Kaiser Steel Corp. Apparatus for the production of beams, girders, or the like. 3,260,438, 7–12–66, Cl. 228—6.

Bergantz, Joseph A., N. J. Brunsvold, and M. R. Schmid, to FMC Corp. Production of dichloroborane. 3,264,072, 8–2–66, Cl. 23—14.

Berge, Arthur. Device for organizing and planning various activities. 3,270,709, 9–6–66, Cl. 116—135.

Berge, Orrin I., to Wisconsin Alumni Research Foundation. Silo unloaders. 3,269,778, 8–30–66, Cl. 302—20.

Bergeim, Frank H.: *See*—
Fried, Josef, Bergeim, Yale, and Bernstein. 3,293,252.

Bergemann, Heinrich K. S. P., to Stichting Walerbouwkundig Laboratorium. Device and method for handling solid bodies. 3,245,710, 4–12–66, Cl. 294—86.

Bergen Research Engineering Corp.: *See*—
Baker, Stanley W. 3,245,279.

Bergen, Richard L., and E. L. Dutton, to Forma Scientific, Inc. Control circuit. 3,235,711, 2–15–66, Cl. 219—499.

Bergen Wire Rope Co.: *See*—
Savastano, Frank, and Rissmiller. 3,243,859.

Bergenblad, Harry. Floor sinks. 3,250,289, 5–10–66, Cl. 137—247.13.

Bergendorf, Harold W.: *See*—
Stine, Laurence O., and Bergendorf. 3,231,326.

Bergens Mekaniske Verksteder, A/S: *See*—
Floer, Finn. 3,288,201.

Bergenstein, Eric G., to Reliance Electric & Engineering (Canada) Ltd. Transformer for underground power distribution system. 3,242,252, 3–22–66, Cl. 174—38.

Berger, Alfred, to Ciba Ltd. Process for dyeing wool yarn and preparations for use therein. 3,291,556, 12–13–66, Cl. 8—54.

Berger, Arthur J. Adjustable cam. 3,264,897, 8–9–66, Cl. 74—568.

Berger, Bernard A.: *See*—
Greenlay, John E., and Berger. 3,286,856.

Berger, Brandt W., and J. F. Kohler, to Allen Electric and Equipment Co. Closure device. 3,289,442, 12–6–66, Cl. 70—173.

Berger Bros. Co., The: *See*—
Loeffel, Lester H., and Champagne. 3,250,273.

Berger, Carl. Metal plating with a heated hydrocarbon solution of a group VI–A metal carbonyl. 3,251,712, 5–17–66, Cl. 117—113.

Berger, Carl. Metal formation within a substrate. 3,256,-109, 6–14–66, Cl. 117—38.

Berger, Christian D., to The Hoover Co. Hot wire motor which oscillates at the same frequency as the input. 3,275,-858, 9–27–66, Cl. 310—4.

Berger, Daniel A. Adjustable weaving loom. 3,294,124, 12–27–66, Cl. 139—34.

Berger, Dieter: *See*—
Opderbeck, Fritz, Ploetz, Scheuring, Kirchner, Berger, and Wilken. 3,293,116.

Berger, Donald E.: *See*—
Morgan, Lyman W., and Berger. 3,254,071.
Ogle, Frank T., and Berger. 3,271,472.

Berger, Emanuel, and V. S. Wince, to Holophane Co., Inc. Radiation shielding light transmitter. 3,265,804, 8–9–66, Cl. 174—35.

Berger, Erich, to Siemens & Halske Aktiengesellschaft. Method of and circuit arrangement for securing teleprinter messages. 3,267,213, 8–16–66, Cl. 178—69.

Berger, Francis J., to Essex Wire Corp. In-line fuse. 3,280,-281, 10–18–66, Cl. 200—113.

Berger, Frank M., and B. J. Ludwig. Methods for lowering blood cholesterol. 3,245,878, 4–12–66, Cl. 167—65.

Berger, Frank M., and B. J. Ludwig, to Carter Products, Inc. N-aryloxyalkyl N-aralkoxyamines and related compounds. 3,278,583, 10–11–66, Cl. 260—471.

Berger, Frank M., and B. J. Ludwig, to Carter-Wallace, Inc. Phenylpropoxy aralkyl-carbamates and amines. 3,280,171, 10–18–66, Cl. 260—471.

Berger, Fred W., Jr. Portable work bench and air controller system. 3,229,611, 1–18–66, Cl. 98—115.

Berger, Gerald A.: *See*—
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Berger, Gerald M., to United States of America, Navy. Automatic non-linear gain control circuit. 3,289,088, 11–29–66, Cl. 325—408.

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Eversheim, Paul, Berger, and Teubler. 3,250,215.
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Berger, Hans, to BMW Triebwerkbau Gesellschaft m.b.H. Blade ring structure. 3,254,831, 6–7–66, Cl. 230—134.

Berger, Hans. Inside door lock. 3,265,423, 8–9–66, Cl. 292—67.

Berger, Hans. Inside door lock. 3,265,425, 8–9–66, Cl. 292—202.

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Berger, Heinz, and R. Gareis, to Agfa Aktiengesellschaft. Color radiography. 3,235,728, 2–15–66, Cl. 250—65.

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Berger, Jacob: *See*—
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Berger, James A., and M. G. Blankenship, to Corning Glass Works. Image recording. 3,267,555, 8–23–66, Cl. 29—155.5.

Berger, James K., to General Precision, Inc. Electronic digital computer-output control. 3,254,330, 5–31–66, Cl. 340—172.5.

Berger, Jean, and C. Fauquignon, to Commissariat a l'Energie Atomique. Device for measurement of pressure in explosion phenomena. 3,242,718, 3–29–66, Cl. 73—35.

Berger, Jean-Pierre L.: *See*—
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Berger, Jerome, to JFD Electronics Corp. Mount for telescoping antennas. 3,241,144, 3–15–66, Cl. 343—702.

Berger, Jerome, to JFD Electronics Corp. Single rod antenna. 3,241,149, 3–15–66, Cl. 343—901.

Berger, Leo, A. J. Corraz, and J. Lee, to Hoffmann-La Roche, Inc. Phenothiazine compounds. 3,238,199, 3–1–66, Cl. 260—243.

Berger, Leo, and L. H. Sternbach, to Hoffmann-La Roche Inc. 2-aminophenyl cycloalkyl ketones. 3,268,586, 8–23–66, Cl. 260—578.

Berger, Leo, and J. Lee, to Hoffmann-La Roche Inc. Substituted benzamidotetrahydropyridines and processes. 3,270,026, 8–30–66, Cl. 260—295.

Berger, Leo, A. J. Corraz, and J. Lee, to Hoffmann-La Roche Inc. Substituted lower fatty acid amides and processes. 3,282,949, 11–1–66, Cl. 260—295.

Berger, Leo J., Jr., and R. W. Clayton, to Scans Associates, Inc. Leak testing system. 3,248,931, 5–3–66, Cl. 73—49.2.
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Berger, Michel C., and J. G. Languillaume. Combustion gas discharge system. 3,236,045, 2–22–66, Cl. 60—30.
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Bergerson, Ronald O. Multiscale engineers scale. 3,273,247, 9–20–66. Cl. 33—107.
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Bergey, John M., to Hamilton Watch Co. Velocimeter incorporating a drag lisc with conductive laminations. 3,275,-767, 9–27–66, Cl. 200—61.45.
Berggren, Lloyd E. Pneumatic propulsion transportation system. 3,242,876, 3–29–66, Cl. 104—134.
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Berghaus, Bernhard, to Elektrophysikalische Anstalt Bernhard Berghaus. Method of sustaining a glow discharge in a high pressure area. 3,231,484, 1–25–66, Cl. 204—164.
Berghaus, Bernhard. Method of reducing barrel wear. 3,256,-818, 6–21–66, Cl. 102—93.
Berghaus, Bernhard, to Elektrophysikalische Anstalt Bernhard Berghaus. Method and device for carrying out gas discharge processes. 3,282,814, 11–1–66, Cl. 204—192.
Berghaus, Bernhard, and H. Bucek, to Elektrophysikalische Anstalt Bernhard Berghaus. Method of regulating an electric glow discharge and discharge vessel therefor. 3,228,-809, 1–11–66, Cl. 148—16.
Berghaus, Bernhard, and M. Staesche, to Elektrophysikalische Anstalt Bernhard Berghaus. Process of producing nitrosamine additives. 3,256,169, 6–14–66, Cl. 204—177.
Berghaus, Bernhard, and M. Staesche. Process for obtaining metals by fusion electrolysis. 3,257,296, 6–21–66, Cl. 204—64.
Berghaus, Bernhard, and H. Muster. Device for avoidance of irregular changes of the discharge condition for discharge vessels provided for high current glow discharges. 3,260,892, 7–12–66, Cl. 315—306.
Berghaus, Bernhard, and M. Staesche, to Elektrophysikalische Anstalt Bernhard Berghaus. Process of preparing hydrazine-ammonia addition compounds. 3,272,730, 9–13–66, Cl. 204—177.
Berghaus, Bernhard, and M. Staesche, to Elektrophysikalische Anstalt Bernhard Berghaus. Method of processing metallic salts, in particular metal halides, designed for the production of metals. 3,276,851, 10–4–66, Cl. 23—345.
Berghezan, Aurel I., to Union Carbide Corp. Metal ceramic compositions. 3,294,496, 12–27–66, Cl. 29—182.5.
Bergholm, Carl A., and G. Stahre, to Billeruds Aktiebolag, and Svenska Cellulosa Aktiebolaget. Method of recovering values from the pyrolysis of spent sodium sulfite liquor. 3,250,591, 5–10–66, Cl. 23—48.
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Berglund, Kenneth L., to Honeywell Inc. Control apparatus. 3,239,748, 3–8–66, Cl. 323—23.
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Berglund, Olof H., to Aktiebolaget Albin Hagstrom. Neck stretching device in stringed instruments. 3,244,054, 4–5–66, Cl. 84—293.
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Bergman, Kurt T. L., to D. O. Jagglund. Protective switching arrangement with demountable fuse carrier. 3,234,-347, 2–8–66, Cl. 200—114.
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Bergman, Richard I., and N. W. Frisch, to Princeton Chemical Research, Inc. Production of maleic anhydride by oxidation of n-butane. 3,293,268, 12–20–66, Cl. 260—346.8.
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Bergmann, Raymond W., and L. W. Albers. Plow mounted harrow. 3,294,180, 12–27–66, Cl. 172—197.
Bergmeister, Eduard, and J. Heckmaier, to Wacker-Chemie G.m.b.H. Process for the preparation of cation-active polymer dispersions. 3,245,939, 4–12–66, Cl. 260—29.6.
Bergmeister, Eduard, and J. Heckmaier, to Wacker-Chemie G.m.b.H. Process for preparation of phosphate esters of polymeric materials containing hydroxyl groups. 3,250,-756, 5–10–66, Cl. 260—91.3.
Bergna, Horacio E., and F. A. Simko, Jr., to E. I. du Pont de Nemours and Co. Silica supported catalysts and method of preparation thereof. 3,284,369, 11–8–66, Cl. 252—454.
Bergonzo, Pierre. Cone clutch with adjusting means. 3,243,-027, 3–29–66, Cl. 192—111.
Bergonzo, Pierre. Automatic lathe comprising at least two radial tool-holders. 3,250,159, 5–10–66, Cl. 82—25.
Bergonzo, Pierre. Automatic lathe. 3,289,504, 12–6–66, Cl. 82—28.
Bergougnou, Maurice A., and C. E. Jahnig, to Esso Research and Engineering Co. Alkylation and isomerization process using hindered settling contacting. 3,253,053, 5–24–66, Cl. 260—683.43.
Bergquist, Clifford A., and J. A. Over, to Pendleton Tool Industries, Inc. Reversible ratchet wrench having linear sliding manually actuated pawls. 3,290,969, 12–13–66. Cl. 81—63.1.
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Bergstrom, Axel E., R. G. Hallhagen, L. E. R. Soderberg, and J. E. Westberg, to AGA Aktiebolag. Apparatus and method for vulcanizing strips of material containing an elastomer. 3,271,504, 9–6–66, Cl. 264—347.
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Bergstrom, Eric V., and J. G. Mitchell, to Socony Mobil Oil Co., Inc. Thermal exhaust gas afterburners for automobiles. 3,228,185, 1–11–66, Cl. 60—30.
Bergstrom, Eric V., and J. G. Mitchell, to Mobil Oil Corp. Thermal conversion process and apparatus therefor. 3,283,028, 11–1–66, Cl. 260—683.
Bergstrom, Eric V., to Mobil Oil Corp. Vibratory apparatus for penetrating earth material and the like. 3,278,235, 10–11–66, Cl. 299—37.
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Bergstrom, Swan E., L. A. Dever, and D. I. McDonald, to The Cincinnati Milling Machine Co. Automatic tool change mechanism for machine tool. 3,259,976, 7–12–66, Cl. 29—568.
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Bergy, Malcolm E., and C. De Boer, to The Upjohn Co. Animal feed containing spectinomycin. 3,245,797, 4–12–66, Cl. 99—2.
Bergy, Malcolm E., R. R. Herr, and D. J. Mason, to The Upjohn Co. Animal feed containing lincomycin and spectinomycin. 3,261,687, 7–19–66, Cl. 99—2.
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Berk, Milton. Self-service footwear merchandising device. 3,292,797, 12–20–66, Cl. 211—163.
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Berlincourt, Ted G., to North American Aviation Inc. Method and apparatus for magnetic flux accumulation and current generation. 3,277,322, 10–4–66, Cl. 310—40.

Berlind, Richard M., to General Electric Co. Pulse generator with multiple phase-displaced outputs. 3,292,100, 12–13–66, Cl. 331—45.

Berliner, Emanuel R. Push control valve for instant defiation of blood pressure instruments. 3,254,671, 6–7–66, Cl. 137—565.

Berliner, Martin. Smokers' ash receptacle. 3,285,463, 11–15–66, Cl. 220—20.5.

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Salgado, Alvaro, and Berlinger. 3,252,923.

Berlinsky, Anthony A., W. T. Fay, and M. J. Brennan, to United States of America, Commerce. Apparatus for measuring area. 3,264,739, 8–9–66, Cl. 33—123.

Berlucchi, Ernest A., to Sperry Rand Corp. Fail-safe indicator. 3,237,182, 2–22–66, Cl. 340—266.

Berly, Edward M., to Precipitator Corp. of America. Electrostatic precipitator. 3,237,382, 3–1–66, Cl. 55—132.

Berlyn, Martin J. Fuel injection nozzle. Re. 26,016, 5–3–66, Cl. 239—533.

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Berman, Elliot, and D. F. Loeb, to Itek Corp. Data processing system and method therefor. 3,259,047, 7–5–66, Cl. 95—73.

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Berman, Marvin A., to Capitol Hardware Mfg. Co., Inc. Bracket construction. 3,273,847, 9–20–66, Cl. 248—243.

Berman, Maxwell, and W. B. M. Clark, to Douglas Aircraft Co., Inc. Salinity monitor. 3,263,224, 7–26–66, Cl. 340—236.

Berman, Merril: *See*—
Boone, Franklin E., and Berman. 3,276,384.

Berman, Myron S.: *See*—
Ostrin, Albert, and Berman. 3,269,341.

Berman, Myron S. Pump with dual, fluid pressure actuated pistons and movable pick-up tube. 3,268,122, 8–23–66, Cl. 222—246.

Berman, Nelson. Capillary mercury switches. 3,230,333, 1–18–66, Cl. 200—152.

Berman, Nelson. Torque element for trimmer capacitors. 3,242,398, 3–22–66, Cl. 317—249.

Berman, Nelson. Character display device. 3,253,274, 5–24–66, Cl. 340—378.

Berman, Nelson. Improved torque element. 3,267,764, 8–23–66, Cl. 74—441.

Berman, Nelson, H. Selden, and J. R. Roy, to JFD Electronics Corp. Drive device. 3,270,569, 9–6–66, Cl. 74—10.2.

Berman, Nelson, H. Selden, and J. R. Roy. Resiliently mounted contact slidable on inductive coil. 3,271,715, 9–6–66, Cl. 336—137.

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Berman, Robert A., to Medical Plastics Inc. Naso-pharyngeal-esophageal device. 3,260,258, 7–12–66, Cl. 128—29.

Bermann, Lealie H., to Lockheed Aircraft Corp. Strain measuring device. 3,274,528, 9–20–66, Cl. 338—2.

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Strohmeier, Walter, Bernaldo de Quiros, and Ullmann. 3,273,041.

Bernard, Arthur A. and R. A., to Beecher Products Co. Arc welding control system. 3,275,796, 9–27–66, Cl. 219—130.

Bernard, Arthur A. and R. A., to Bernard Welding Equipment Co. Electrode guide means. 3,279,669, 10–18–66, Cl. 226—181.

Bernard, Arthur A., and R. A., to Bernard Welding Equipment Co. Arc welding gun. 3,283,121, 11–1–66, Cl. 219—130.

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Schmitter, Abendroth, B. 3,273,000.

Bernard, David W., and J. M. Colagrossi, to Sperry Rand Corp. Tape editor. 3,245,046, 4–5–66, Cl. 340—172.5.

Bernard, Emil J. J., to Vereenigde Glasfabrieken (United Glassworks), N.V. Method of making hollow glassware with a stem and a foot. 3,271,123, 9–6–66, Cl. 65—80.

Bernard, John E., Jr., to O. W. Phillips. Reel assembly. 3,258,545, 6–28–66, Cl. 191—12.2.

Bernard, John S. Rotary engine apparatus. 3,227,145, 1–4–66, Cl. 123—16.

Bernard, John S. Multiple pump apparatus. 3,260,211, 7–12–66, Cl. 103—4.

Bernard, John S. Method of conditioning liquid fuels. 3,270,722, 9–6–66, Cl. 123—32.

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Bernard, Maurice J.: *See*—
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Bernard, Michel A. R., to Societe Industrille Buil-General Electric (Societe Anonyme). Control means for driving and tensioning ink ribbons in high speed printing machines. 3,291,043, 12–13–66, Cl. 101—96.

Bernard, Pierre D. Source of current for application to a patient for obtaining a therapeutic effect. 3,261,358, 7–19–66, Cl. 128—423.

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Szpak, Stanley P., and Bernard. 3,248,618.

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Bernardi, Joseph. Resonator attachment for string instruments. 3,233,495, 2–8–66, Cl. 84—294.

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Bernardi, Luigi, O. Goffredo, and G. Bosisio, to Societa Farmaceutici Italia. 6-methyl- and 1,6-dimethyl-ergoline-11 derivatives. 3,228,939, 1–11–66, Cl. 260—285.5.

Bernardi, Luigi, G. Bosisio, B. Camerino, and O. Goffredo, to Societa Farmaceutici Italia. 6-methyl- and 1,6-dimethyl-ergoline 1 derivatives. 3,228,941, 1–11–66, Cl. 260—285.5.

Bernardi, Luigi, G. Bosisio, and O. Goffredo, to Societa Farmaceutici Italia. Lumilysergol derivatives. 3,228,943, 1–11–66, Cl. 260—285.5.

Bernardi, Luigi, O. Goffredo, and B. Patelli, to Societa Farmaceutici Italia. Lumiergoline derivatives. 3,228,944, 1–11–66, Cl. 260—285.5.

Bernardi, Luigi, and O. Goffredo, to Societa Farmaceutici Italia. Esters of 6-methyl- and 1,6-dimethyl-ergoline 1. 3,236,852, 2–22–66, Cl. 260—285.5.

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Bernas, Arnold R., and G. R. James, to Chemical Construction Corp. Process for naphtha reforming. 3,262,886, 7–26–66, Cl. 252—376.

Bernasek, Edward, to R. J. Reynolds Tobacco Co. Derivatives of 6-hydroxynicotine. 3,230 226, 1–18–66, Cl. 260—291.

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Bernatt, Joseph, to S & C Electric Co. Operating mechanism for high voltage switch. 3,244,826, 4–5–66, Cl. 200—48.

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Berne, Jean, to Institut Francais du Petrole, des Carburants & Lubrifiants. Stabilizing device. 3,276,746, 10–4–66, Cl. 254—172.

Berne, Jean, P. Moulin, and A. Truyol, to Institut Francais du Petrole, des Carburants & Lubrifiants. Submarine coring device. 3,279,547, 10–18–66, Cl. 175—6.

Berne, Jean, P. Moulin, and J. Casteran, to Institut Francais du Petrole, des Carburants & Lubrifiants. Weight regulating apparatus for submarine drilling. 3,285,574, 11–15–66, Cl. 254—172.

Berne, William L., and D. E. Bobo, to Union Carbide Corp. Elastomeric connecting means for double-walled containers. 3,230,726, 1–25–66, Cl. 62—45.

Berneike, Rudolph H., R. L. Durrett, and K. Hinrichs, to Beckman Instruments, Inc. A.C. coupled pulse amplifier with floating input and grounded output. 3,249,883, 5–3–66, Cl. 330—14.

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Berner, Klaus, A. Siebert, and K. Sommer, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Water-soluble yellow monoazo-dyestuffs and process for preparing them. 3,234,207, 2–8–66, Cl. 260—162.

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Berner, William L., C. P. Mulcahey, and R. P. Skinner, to Union Carbide Corp. Load support means for thermally insulated container. 3,289,423, 12–6–66, Cl. 62—45.

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Bernier, Carl J., and R. A. Menelly, to Sylvania Electric Products Inc. Electric discharge lamp with integral pressure regulator. 3,227,907, 1–4–66, Cl. 313—178.

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Bernier, Jerome R., and R. W. Madden, to International Business Machines Corp. Bombing computer. 3,288,984, 11–29–66, Cl. 235—61.5.

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Berninger, John F. Air-oil tank. 3,246,670, 4–19–66, Cl. 137—592.

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Bernstein, Benjamin T., to American Radiator & Standard Sanitary Corp. Humidity detector. 3,258,759, 6–28–66, Cl. 340—235.

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Bernstein, Bernard, to General Instrument Corp. Rectifier edges coated with thixotropic epoxy. 3,243,867, 4–5–66, Cl. 29—155.5.

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Bernstein, Jack, and H. L. Yale, to E. R. Squibb & Sons, Inc. Basic ethers of hydroxyethylpiper-azinopropylphenothiazines. 3,264,290, 8–2–66, Cl. 260—243.

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Bernstein, Jack, and E. J. Pribyl, to E. R. Squibb & Sons, Inc. Adamantylbiguanides. 3,270,036, 8–30–66, Cl. 260—343.7.

Bernstein, Jack, and E. R. Spitzmiller, to E. R. Squibb & Sons, Inc. Pyrido-quinazoline derivatives. 3,271,396, 9–6–66, Cl. 260—251.

Bernstein, Jack, and E. R. Spitzmiller, to E. R. Squibb & Sons, Inc. Pyrroloquinazoline derivatives. 3,271,400, 9–6–66, Cl. 260—256.4.

Bernstein, Jacob. Valve for parenteral liquid feed apparatus. 3,227,173, 1–4–66, Cl. 137—192.

Bernstein, Joseph T., to Air Products and Chemicals, Inc. Separation of gaseous mixtures. 3,236,059, 2–22–66, Cl. 62—13.

Bernstein, Leo, T. K. Kelly, and N. N. Potter, to American Machine & Foundry Co. Method and apparatus for frozen dessert. 3,256,100, 6–14–66, Cl. 99—136.

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Bernstein, Philip, and G. F. Bulbenko, to Thiokol Chemical Corp. Thermally stable copolymers of trioxane and cyclic disulfides and process for making the same. 3,278,489, 10–11–66, Cl. 260—67.

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Berolzheimer, Henry. Refuse collection loading and packing mechanism. 3,257,012, 6–21–66, Cl. 214—82.

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Berquin, Yves F., to Potasse & Engrais Chimiques. Method and apparatus for granulating melting solid and hardenable fluid products. 3,231,413, 1–25–66, Cl. 117—100.

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Berry, David G., and V. P. Minerva, to Dorne and Margolin, Inc. Frequency independent (log periodic) monopole and dipole antennas. 3,277,487, 10–4–66, Cl. 343—722.

Berry, Donald S., to Sun Printers Ltd. Intaglio printing machine with cover assemblies and removable ink trough. 3,267,849, 8–23–66, Cl. 101—157.

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Berry, Harold F. Football passing toy. 3,273,282, 9–20–66, Cl. 46—241.

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Berry, Jim S., to The Procter & Gamble Co. Sulfoximine-containing detergent compositions. 3,255,116, 6–7–66, Cl. 252—95.

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Berry, John D.: *See*—
Hartley, Andrew G., and Berry. 3,294,151.

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Berry, Kenneth L., to E. I. du Pont de Nemours and Co. Process for preparing fibrous titanium dioxide and compositions useful in production therefor. 3,244,481, 4–5–66, Cl. 23—202.

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Berry, Theodore R. Combined clam and oyster opener. 3,231,930, 2–1–66, Cl. 17—9.

Berry, William A., to Clary Corp. Magnetically key operated switching device. 3,292,125, 12–13–66, Cl. 335—206.

Berry, William B. Method and apparatus for sealing perforations in a well casing. 3,292,700, 12–20–66, Cl. 166—21.

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Berry, William L., and J. J. Kelly, to American Cynamid Co. Quinacridone pigments. 3,264,298, 8–2–66, Cl. 260—279.

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Bethea, Malcolm, Jr. Apparatus for suspending a conductor from an insulator. 3,260,795, 7-12-66, Cl. 174—144.

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Betz, Bernard K., to Honeywell Inc. Electrical data handling apparatus including selective substitution of addressable input/output devices. 3,248,709, 4-26-66, Cl. 340—172.5.

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Beumel, Oscar F., Jr., and R. F. Harris, to Foote Mineral Co. Lithium acetylide amine complexes and method of producing same. 3,234,284, 2-8-66, Cl. 260—583.

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Ritter, Heinrich, Beyerle, and Nitz. 3,243,442.
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Bezzi, Silvio, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Process for producing formaldehyde polymers from trioxane and their stabilization. 3,264,265, 8-2-66, Cl. 260—67.

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Bialkowski, Ludwik S., to The B. F. Goodrich Co. Fluid pressure seals. 3,264,005, 8-2-66, Cl. 277—102.

Bialkowski, Ludwik S., to The B. F. Goodrich Co. Seal assembly. 3,279,806, 10-18-66, Cl. 277—205.

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Bibbens, William H. Method and apparatus for chamfering toothed machine elements. 3,286,593, 11-22-66, Cl. 90—1.4.

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Biber, Albert, O. A. Davis, Sr., and B. R. Walsh, to Gulf Research & Development Co. Aspirating nozzle. 3,246,-852, 4–19–66, Cl. 239—403.

Biber, Albert, O. A. Davis, Sr., and B. R. Walsh, to Gulf Research & Development Co. Aspirating nozzle. 3,246,-853, 4–19–66, Cl. 239—403.

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Bickerdike, Robert L., and G. Hughes, to United Kingdom Atomic Energy Authority. Method of forming fibrous carbon articles. 3,233,014, 2–1–66, Cl. 264—29.

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Biechler, Charles S., J. W. Grass, and O. C. Lundstrom, to Varian Associates. High frequency apparatus. 3,240,984, 3–15–66, Cl. 315—5.48.

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Bien, Howard L., to Production Technologies, Inc. Method of making cutting dies. 3,292,461, 12–20–66, Cl. 76—107.

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Bierlich, Knud G., to International Pipe and Ceramics Corp. trol system. 3,249,159, 5–3–66, Cl. 170—160.2.

Biermann, David, to Hartzell Propeller Inc. Propeller control construction. 3,234,692, 2–15–66, Cl. 52—392.

Biermann, Wendell J., to Beryloy Ltd. Thiocyanate extraction of beryllium. 3,288,559, 11–29–66, Cl. 23—19.

Biermann, William A., and A. L. Teichert, to Controls Co. of America. Burner control. 3,236,282, 2–22–66, Cl. 158—28.

Biesanz, Charles W., Sr., K. J. Walsh, and C. W. Schubert. Pre-cut stone building construction. 3,228,155, 1–11–66, Cl. 52—206.

Bieschke, Hillard J., to Knox Mfg. Co. Handle actuated tripod structure. 3,282,545, 11–1–66, Cl. 248—171.

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Bigelow, Charles G., Jr., and W. W. Hassler, to Selas Corp. of America. Active carbon. 3,252,919, 5–24–66, Cl. 252—421.

Bigelow, Herbert L., to Baker Oil Tools, Inc. Retrievable high temperature well packer apparatus. 3,289,766, 12–6–66, Cl. 166—139.

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Biggs, William A., Jr., to Sonoco Products Co. Process for the recovery of sodium carbonate and sodium sulfate from spent sulfite liquor. 3,256,059, 6–14–66, Cl. 23—48.

Biglow, William P., and H. Van Someren, to Star Machine & Tool Co. Demonstration apparatus. 3,238,641, 3–8–66, Cl. 35—13.

Bigot, Bernard, and P. Moraillon, to Produits Chimiques Pechiney-Saint-Gobain. Process for manufacturing complex granulated fertilizers. 3,249,421, 5–3–66, Cl. 71—41.

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Biland, Hans R., C. Luethi, and M. Duennenberger, to Ciba Ltd. Hydroxyphenyl-triazines and process for their manufacture. 3,293,249, 12–20–66, Cl. 260—248.

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Billeter, Henry R., and A. B. Nelson, to Sloan Valve Co. Adjustable plumbing fittings. 3,273,919, 9–20–66, Cl. 285—340.

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Billings, William W., and O. L. Apfelbeck, to Westinghouse Electric Corp. Unbalanced current protection apparatus for parallel generator systems. 3,294,978, 12–27–66, Cl. 307—84.
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Bily, Peter J., to FMC Corp. Method and apparatus for transferring fluid offshore. 3,236,267, 2–22–66, Cl. 141—1.
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Binaut, Jean, to Gewerkschaft Eisenhutte Westfalia. Planer mining machine with adjustable tripod guide. 3,284,138, 11–8–66, Cl. 299—34.
Binch, David, to Haveg Industries, Inc., a wholly-owned subsidiary of Hercules Power Co. Insulated high temperature electrical conductor and process for making same. 3,265,808, 8–9–66, Cl. 174—105.
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Bindler, Jakob, and E. Model, to Geigy Chemical Corp. Antimicrobic compositions and process for protection of organic materials therewith. 3,293,124, 12–20–66, Cl. 167—33.
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Binger, Bernhard, to Zahradfabrik Friedrichshafen, Aktiengesellschaft. Steering gear for tracked vehicles. 3,250,151, 5–10–66, Cl. 74—720.5.
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Bingham, George H., Jr., to Cambridge Rubber Co. Method of making lined molded plastic footwear. 3,228,819, 1–11–66, Cl. 156—245.
Bingham, Sidney H. Vehicle braking system. 3,240,291, 3–15–66, Cl. 188—33.
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Binkert, Carl F., and L. H. Laine, to Libbey-Owens-Ford Glass Co. Apparatus for bending glass sheets or plates. 3,227,538, 1–4–66, Cl. 65—289.
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Binkley, Edwin W., and T. R. Ringer, to Canadian Patents and Development Ltd. Catalytic heater. 3,240,256, 3–15–66, Cl. 158—96.
Binkley, William E. Fishing rod and reel. 3,229,406, 1–18–66, Cl. 43—21.
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Enssle, Bruno E. 3,235,185.
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Binnix, Donald B. Method and apparatus for uniformly diffusing mineral suspension fluid. 3,246,756, 4–19–66, Cl. 209—475.
Binnix, Donald B. Pneumatic stratification with vibratory draw-off. 3,278,029, 10–11–66, Cl. 209—475.
Binns, Clem C. Anchor reel. 3,272,478, 9–13–66, Cl. 254—186.
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Bintzer, William W., and C. H. Alexander, to Lukens Steel Co. Gate and runner structure for ingot molds. 3,237,909, 3–1–66, Cl. 249—109.
Binyon, Walter H. Grower's crossbar and container assemblage. 3,238,671, 3–8–66, Cl. 47—37.

Binyon, Walter H. Multiple loop floral display device. 3,239,170, 3–8–66, Cl. 248—27.8.
Binyon, Walter H. Loop fasteners for rods in floral displays. 3,239,171, 3–8–66, Cl. 248—27.8.
Binyon, Walter H. Display and water container assemblage. 3,280,503, 10–25–66, Cl. 47—41.
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Birch, Marjorie A. Tooth brush and gum massager. 3,230,562, 1–25–66, Cl. 15—110.
Birch, Neil L. Smoking pipe. 3,246,656, 4–19–66, Cl. 131—176.
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Bird, George R., to Polaroid Corp. Method of forming carbide coated coiled filaments for lamps. 3,237,284, 3–1–66, Cl. 29—155.5.
Bird, George R., L. Brewer, and W. E. Gray, Jr. Method of preparing a tantalum. 3,254,955, 6–7–66, Cl. 23—208.
Bird, George R., and M. Parrish, Jr., to Polaroid Corp. Metallic grid light-polarizing device. 3,291,550, 12–13–66, Cl. 350—147.
Bird, Jack R., D. W. Hall, and D. A. Denton, to Rolls-Royce Ltd. Method of making turbine blades. 3,228,095, 1–11–66, Cl. 29—156.8.
Bird, James P., ½ to E. B. Lane. Billfold and checkbook combination. 3,267,980, 8–23–66, Cl. 150—35.
Bird, John L. Hydraulically actuated controllable-pitch propeller system for outboard motors and outdrives. 3,273,656, 9–20–66, Cl. 170—160.32.
Bird, Joseph J., to Alamance Industries, Inc. Sock for active participator sports. 3,250,095, 5–10–66, Cl. 66—178.
Bird Machine Co.: *See*—
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Baker, Donald B. 3,249,305.
Cook, Horace F. 3,279,688.
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Nelson, George L., and Clarke-Pounder. 3,255,883.
Bird, Marliss O., to Monsanto Co. Trend recording apparatus for analyzers. 3,276,242, 10–4–66, Cl. 73—23.1.
Bird, Paul G., and B. A. Metz, to Wright Chemical Corp. Water treatment and make-up control system. 3,292,650, 12–20–66, Cl. 137—93.
Bird, Roy F. Stretching rack. 3,226,861, 1–4–66, Cl. 38—102.91.
Bird, Walter W., to Birdair Structures, Inc. Dual wall air inflated structure. 3,247,627, 4–26–66, Cl. 52—2.
Bird, Walter W., and G. F. Reitmeier, to Birdair Structures, Inc. Structural assembly. 3,240,217, 3–15–66, Cl. 135—3.
Birdair Structures, Inc.: *See*—
Bird, Walter W. 3,247,627.
Bird, Walter W., and Reitmeier. 3,240,217.
Birdsall, Charles K., R. M. White, and R. W. Grow, to General Electric Co. Ladder type slow wave structure having side plates at an angle other than 90°. 3,227,914, 1–4–66, Cl. 315—3.5.
Birdsall, Charles K., R. M. White, and R. W. Grow, to General Electric Co. Ladder type delay having rungs of different widths. 3,258,639, 6–28–66, Cl. 315—3.5.
Birdsboro Corp.: *See*—
Gartrell, John T. 3,231,054.
North, Henry W. 3,291,542.
Birdwell, Benjamin F., to Benco, Inc. Structural elements. 3,282,005, 11–1–66, Cl. 52—364.
Birenbaum, Leo, and J. W. E. Griemsmann, to Polytechnic Institute of Brooklyn. H-guide hybrid junction having an elongated coupling slot. 3,283,266, 11–1–66, Cl. 333—10.
Birfield Engineering Ltd.: *See*—
Edwards, Douglas A., and Field. 3,279,215.
Birgbauer, Gordon J., Sr., to American Metal Products Co. Bed frame having pivoted sprung sections. 3,237,213, 3–1–66, Cl. 5—149.
Birge, Warren A., to Martin-Marietta Corp. Scanning and eliminating multiple responses in a grating lobe antenna array. 3,268,890, 8–23–66, Cl. 343—5.
Birge, Warren A., to Martin-Marietta Corp. Eliminating multiple responses in a grating lobe antenna array. 3,270,336, 8–30–66, Cl. 343—5.
Birge, William T., to Kelsey-Hayes Co. Magnet for electric brakes. 3,244,944, 4–5–66, Cl. 317—158.
Biribauer, Frank A., J. D. Bushnell, and H. N. Weinberg, to Esso Research and Engineering Co. Combination lube process. 3,291,718, 12–13–66, Cl. 208—36.
Biringer, Paul P., to Ajax Magnethermic Corp. Static frequency multiplying system. 3,259,828, 7–5–66, Cl. 321—7.
Biringer, Paul P., to Ajax Magnethermic Corp. Static frequency multiplying system. 3,263,148, 7–26–66, Cl. 321—7.
Biringer, Paul P., to Ajax Magnethermic Corp. Static frequency multiplying system. 3,264,549, 8–2–66, Cl. 321—68.
Birk, Harold W. Sprocket wheel for bead chain drive. 3,237,470, 3–1–66, Cl. 74—229.
Birk, Mier: *See*—
Kerns, Quentin A., Birk, and Nunamaker. 3,284,642.
Birk, Rudolf, to Agfa Aktiengesellschaft. Inking device for printing machines. 3,230,877, 1–25–66, Cl. 101—351.
Birk, Ted W. Internal combustion engine. 3,279,442, 10–18–66, Cl. 123—1.
Birkel, George, Jr.: *See*—
Gardenhire, Lawrence W., and Birkel. 3,293,633.
Birkemeier, Henry P., to International Telephone and Telegraph. Pressure relief valve having means to insure full opening upon failure of the diaphragm. 3,294,114, 12–27–66, Cl. 137—510.
Birkenes, Bernhard, to Motorola, Inc. Radio receiver. 3,249,875, 5–3–66, Cl. 325—453.
Birkenes, Bernhard, to Motorola, Inc. Image rejection circuit. 3,289,087, 11–29–66, Cl. 325—388.
Birkenmeyer, Robert D.: *See*—
Hoeksema, Herman, Birkenmeyer, and Magerlein. 3,282,918.
Kagan, Fred, and Birkenmeyer. 3,284,438.
Magerlein, Barney J., and Birkenmeyer. 3,274,212.
Magerlein, Barney J., and Birkenmeyer. 3,282,957.
Magerlein, Barney J., Birkenmeyer, Kagan, and Schneider. 3,239,544.
Birkestrand, Orville J. Method and apparatus for fluidizing a mass of discrete particles. 3,276,627, 10–4–66, Cl. 222—1.
Birkett, Earl. Pen assembly device. 3,226,813, 1–4–66, Cl. 29—240.
Birkhoff, Gerhard: *See*—
Gundert, Eberhard, Berger, Stauch, and Birkhoff. 3,252,031.
Birkmeye, Clement S., Sr. Compensative bridge score computer. 3,259,312, 7–5–66, Cl. 235—78.
Birlec-Efco (Melting) Ltd.: *See*—
Ingall, James B. 3,287,177.
Birmann, Rudolph. Turbocompressor system. 3,232,043, 2–1–66, Cl. 60—13.
Birmann, Rudolph. Centripetal turbine. 3,232,580, 2–1–66, Cl. 253—39.
Birmann, Rudolph. Turbine-compressor unit. 3,263,424, 8–2–66, Cl. 60—39.32.
Birmingham, Douglas W.: *See*—
Seckerson, Clifford A., and Birmingham. 3,235,209.
Birmingham, Douglas W., P. C. R. Fernberg, and C. A. Seckerson, to United-Carr Inc. Hinge stay mechanism. 3,285,647, 11–15–66, Cl. 292—263.
Birmingham, Henry P., to United States of America, Navy. Projected optimum flight path landing assist system. 3,280,625, 10–25–66, Cl. 73—178.
Birmingham Small Arms Co. Ltd.: *See*—
Bass, Ludvik, and Bennett. 3,280,016.
Child, Henry C., and Dunlop. 3,293,030.
Dunlop, Adam. 3,293,706.
Jordison, Fred. 3,250,131.
Birnbaum, Herman A., and H. L. Anderson, to Minnesota Mining and Mfg. Co. Triarylborane complex composition and method for seed protection. 3,268,401, 8–23–66, Cl. 167—38.
Birnbaum, Morris M., and P. M. Salomon, to General Precision, Inc. Apparatus for establishing and maintaining a predetermined angular relation to a source of radiant energy. 3,240,942, 3–15–66, Cl. 250—203.
Birnbaum, Morris M., and W. J. Wichman, to General Precision, Inc. Apparatus for orienting and scanning stereoscopically related photographs. 3,246,560, 4–19–66, Cl. 88—14.
Birnberg, Charles H., and J. L. Marco. Intrauterine device. 3,230,953, 1–25–66, Cl. 128—130.

Birnberg, Charles H., and J. L. Marco. Intrauterine device. 3,253,590, 5–31–66, Cl. 128—130.

Birnboim, Meyer H., to Mellon Institute. Electrical phase meter and amplitude comparator. 3,286,176, 11–15–66, Cl. 324—83.

Birney, Robert H., and J. L. Chaivre, to Ford Motor Co. Ball joint. 3,231,299, 1–25–66, Cl. 287—87.

Birney, Robert H., and R. R. Peterson, to Ford Motor Co. Torsion spring vehicle suspension. 3,243,199, 3–29–66, Cl. 280—124.

Biro, Attila, to Nikex Nehezipari Kulkereskedelmi Vallalat. Annealing furnace. 3,279,774, 10–18–66, Cl. 263—6.

Biro, Attila, to Nikex Nehezipari Kulkereskedelmi Vallalat. Isothermic heat exchangers. 3,289,743, 12–6–66, Cl. 165—10.

Biro Mfg. Co., The: *See*—
Biro, Vincent G. 3,240,244.

Biro, Vincent G., to The Biro Mfg. Co. Meat saw carriage guide system. 3,240,244, 3–15–66, Cl. 143—25.

Birr, Edmund E., to Televiso Electronics, Division of Doughboy Industries, Inc. Double sideband suppressed-carrier, balanced-modulator circuit. 3,275,950, 9–27–66, Cl. 332—43.

Birrell, Kirk E., R. E. Esch, and J. M. Stemple, to The Sheffield Corp. Positioning device. 3,270,423, 9–6–66, Cl. 33—174.

Birrell, Norman D., to Newport News Shipbuilding and Dry Dock Co. Plotting apparatus. 3,230,622, 1–25–66, Cl. 33—1.

Birrell, Robert W.: *See*—
Aiken, Howard H., and Birrell. 3,237,465.
Aiken, Howard H., Birrell, and Richards. 3,294,210.

Birtcher Corp., The: *See*—
Finch, Horace T. 3,260,787.

Birten, Vera M., to Monsanto Co. Aqueous vinyl ester base paints containing zinc fluoride salts. 3,248,354, 4–26–66, Cl. 260—29.6.

Birum, Gail H.: *See*—
Heininger, Samuel A., and Birum. 3,238,094.
Dever, James L., and Birum. 3,232,723.
Richardson, George A., and Birum. 3,235,567.

Birum, Gail H., to Monsanto Co. Organic phosphorus-containing lubricants. 3,243,370, 3–29–66, Cl. 252—46.6.

Birum, Gail H., to Monsanto Co. S-[(arylthio)(phosphinyl) methyl] phosphorous ester insecticides. 3,257,270, 6–21–66, Cl. 167—22.

Birum, Herbert L., Jr. Exterior panel wall assembly. 3,266,207, 8–16–66, Cl. 52—459.

Birum, Herbert L., Jr. Movable partition. 3,276,175, 10–4–66, Cl. 52—239.

Bir-Vac Ltd.: *See*—
Craswell, Kenneth B. 3,243,195.
Craswell, Kenneth B. 3,283,956.

Bisang, Adolf, to Maschinenfabrik Benninger A.-G. Treatment of fabric webs with liquid. 3,255,617, 6–14–66, Cl. 68—175.

Bisberg, Arthur: *See*—
Locke, William N., Billig, and Bisberg. 3,267,591.

Bisbing, Robert H., to South Chester Corp. Push button fastener. 3,244,444, 4–5–66, Cl. 292—306.

Biscardi, Rocco. Collapsible safety emergency traffic reflector. 3,262,415, 7–26–66, Cl. 116—63.

Bischoff, Elton L. R., J. P. Spampinato, and M. Yaffe, to General Electric Co. Broadband streamlined radar reflector. 3,230,531, 1–18–66, Cl. 343—18.

Bischoff, Vincent E.: *See*—
Adams, Roman A., and Bischoff. 3,281,860.

Bischoff, Waldemar O., to B. F. Perkins & Son, Inc. Calender. 3,244,090, 4–5–66, Cl. 100—162.

Bishard, Arnold C.: *See*—
Garnett, Edward V., and Bishard. 3,260,443.

Bishard, Arnold C., to R. W. Kimbell. Cotton cleaning method and apparatus. 3,278,026, 10–11–66, Cl. 209—133.

Bishman Mfg. Co.: *See*—
Ruhland, Walter F., and Rishovd. 3,240,252.

Bishop, Alfred E., and E. E. Mayaud, to Radio Corp. of America. Method of making luminescent screens. 3,287,151, 11–22–66, Cl. 117—33.5.

Bishop, Anthony, to Viking Industries Inc. Temperature control system. 3,244,371, 4–5–66, Cl. 236—1.

Bishop and Babcock Corp., The: *See*—
Adams, James E. 3,266,139.
Buffington, Marvin A. 3,230,950.

Bishop, Charles R., deceased; M. J. Bishop, executrix. Torsion-free articulated vehicle suspension. 3,266,815, 8–16–66, Cl. 280—104.

Bishop, Clarence E.: *See*—
Manning, John A., Jr., Bishop, and Kight. 3,227,009.

Bishop, Claude R.: *See*—
Fowler, Robert M., Bishop, and Bartolomei. 3,236,599.

Bishop, Dana L.: *See*—
Kalousek, George L., Bishop, and Shannon. 3,257,220.

Bishop, Dana L., to Owens-Corning Fiberglas Corp. Calcium silicate insulating material and method of producing same. 3,227,570, 1–4–66, Cl. 106—120.

Bishop, Frederic L., to Owens-Illinois Glass Co. Method and apparatus for severing mold charges of molten glass. 3,264,077, 8–2–66, Cl. 65—24.

Bishop, Geoffrey S., and R. W. Howard, to Elliott Bros. (London) Ltd. Group thrust compensator. 3,258,914, 7–5–66, Cl. 60—35.6.

Bishop, George W., to The Carborundum Co. Method of removing surface irregularities from metal articles. 3,239,970, 3–15–66, Cl. 51—313.

Bishop, Glick U., to Martin-Marietta Corp. Traveling wave parametric amplifier. 3,229,214, 1–11–66, Cl. 330—4.6.

Bishop, Harold P., deceased; by M. G. Bishop, executrix. Plastic inlet valve for central vacuum cleaning system. 3,283,093, 11–1–66, Cl. 200—61.1.

Bishop, Harry K.: *See*—
Reilly, Thomas A., Beckman, and Bishop. 3,288,650.
Reilly, Thomas A., Bishop, and Beckman. 3,278,339.

Bishop, Harry L., Jr., and J. M. Heid, to Allegheny Ludlum Steel Corp. Processing silicon steel. 3,253,909, 5–31–66, Cl. 75—129.

Bishop, Ivan L.: *See*—
Chapin, Everett E., and Bishop. 3,235,930.

Bishop, J., & Co. Platinum Works: *See*—
Hunter, James B. 3,254,956.
Steele, Raymond. 3,254,015.

Bishop, John W.: *See*—
Baker, Roland D., and Bishop. 3,261,327.

Bishop, John W., to United States of America, Interior. Coal burning water tube steam generator construction embodying integral primary coal slagging type furnace and secondary furnace. 3,257,992, 6–28–66, Cl. 122—328.

Bishop, John W. H., to Bishop Spools, Inc. Ribbon spool. 3,246,729, 4–19–66, Cl. 197—175.

Bishop, Laurence R., to Watney Combe Reid & Co. Ltd. Process for segregating lupulin from dried hops. 3,271,162, 9–6–66, Cl. 99—50.5.

Bishop, Leonard J., and P. Klamp, to Mechanical Handling Systems Inc. Tilting tray sorting conveyor. 3,269,520, 8–30–66, Cl. 198—155.

Bishop, Leonard W. J.: *See*—
Warrington, Bert, Bishop, and Wood. 3,289,846.

Bishop, Lewis H., to Pierce Specialized Equipment Co. Apparatus for controlled penetration slitting. 3,236,129, 2–22–66, Cl. 83—6.

Bishop, Mabel G.: *See*—
Bishop, Harold P. and M. G. 3,283,093.

Bishop, Muriel J.: *See*—
Bishop, Charles R. 3,266,815.

Bishop, Robert, E. E. Castor, M. A. Walker, and W. W. Word, Jr., to Armco Steel Corp. Handling tools for disassembling and installing well devices. 3,240,511, 3–15–66, Cl. 285—18.

Bishop, Robert, and W. W. Word, Jr., to Armco Steel Corp. Wellhead assemblies. 3,268,242, 8–23–66, Cl. 285—142.18.

Bishop, Robert, E. E. Castor, M. A. Walker, and W. W. Word, Jr., to Armco Steel Corp. Remotely installed well devices and wellhead assemblies including the same. 3,273,915, 9–20–66, Cl. 285—18.

Bishop, Robert G., and W. R. Simmons, to Hercules Inc. Process of preparing carboxymethylcellulose. 3,284,441, 11–8–66, Cl. 260—231.

Bishop, Robert H. Insulated wall. 3,256,663, 6–21–66, Cl. 52—395.

Bishop, Robert J.: *See*—
Dinkler, Leonard R., and Bishop. 3,283,136.

Bishop, Robert W.: *See*—
Beatenbough, Paul K., and Bishop. 3,275,070.

Bishop, Roger I., E. R. Kendall, and R. A. Palmer (deceased by D. Palmer, executrix), to S. Smith & Sons (England) Ltd. Aircraft instruments. 3,283,573, 11–8–66, Cl. 73—178.

Bishop Spools, Inc.: *See*—
Bishop, John W. H. 3,246,729.

Bishop, William R. Load gripper and positioning device. 3,241,695, 3–22–66, Cl. 214—147.

Bishop, William R. Bale stacking attachment for balers. 3,246,774, 4–19–66, Cl. 214—6.

Bisjak, Jacques F.: *See*—
Gourber, Jean-Pierre, and Bisjak. 3,230,422.

Bisnett, Bernard J., and R. M. Heintz, to Linear Systems, Inc. Resonant circuit apparatus. 3,257,632, 6–21–66, Cl. 334—69.

Bisnett, Bernard J., and R. M. Heintz, to Linear Systems, Inc. Variable inductor and capacitor tuning apparatus. 3,260,973, 7–12–66, Cl. 30—69.

Bisschopinck, Bernard, to Kloeckner-Werke AG. Apparatus for producing a repetitive control sequence. 3,242,380, 3–22–66, Cl. 315—139.

Bissell, Eugene R., to United States of America, Atomic Energy Commission. Glycol esters of difluoronitroacetic acid. 3,267,134, 8–16–66, Cl. 260—487.

Bissell Inc.: *See*—
Vanderveer, Frederick B., and Yonkers. 3,289,240.
Yonkers, Robert A. 3,246,360.

Bissett-Berman Corp., The: *See*—
Bissett, Thomas B. 3,238,526.
Bissett, Thomas B., and Mende. 3,227,882.
Brown, Neil L. 3,254,536.
Brown, Neil L. 3,271,694.

Bissett, Thomas B., to The Bissett-Berman Corp. Apparatus for remote flash photography. 3,238,526, 3–1–66, Cl. 343—5.

Bissett, Thomas B., and L. A. Mende, to The Bissett-Berman Corp. Identification system using repetitively modulated infrared energy. 3,227,882, 1–4–66, Cl. 250—199.

Bisso, Robert J., to Sylvania Electric Products, Inc. Photoconductive device and fabrication process. 3,246,274, 4–12–66, Cl. 338—15.

Bisso, Robert J., and H. W. Herbert, to Sylvania Electric Products Inc. Ultra-violet radiation sensing device. 3,247,413, 4–19–66, Cl. 313—101.

Bistline, Raymond G., Jr.: *See*—
Well, James K., Stirton, Smith, and Bistline. 3,228,980.

Bistline, Robert H., and F. D. Wampler, to General Motors Corp. Inverting articles. 3,253,720, 5–31–66, Cl. 214—1.

Bither, Tom A., Jr., to E. I. du Pont de Nemours and Co. Magnetic alloys of manganese, germanium and either or both of palladium and rhodium. 3,279,914, 10–18–66, Cl. 75—134.

Bittaker, Charles E., Jr., to Pflueger Corp. Fishing line accessory. 3,293,792, 12–27–66, Cl. 43—44.80.

Bitter, Francis, and E. D. Ostroff, to Magnion, Inc. Adjustable shim for scientific electromagnets. 3,258,656, 6–28–66, Cl. 317—158.

Bitterberg, Friedhelm, to Henschkel-Werke, A.G. Spring-deflection device for railway vehicles. 3,276,764, 10–4–66, Cl. 267—4.

Bitterli, Peter, to Sandoz Ltd. Reactive anthraquinone dyes containing a trichloropyrimidyl group. 3,271,397, 9–6–66, Cl. 260—256.5.

Bitting, Russell D., M. C. Koch, and K. E. Jackson, to The Battelle Development Corp. Correction process and coating composition therefor. 3,276,870, 10–4–66, Cl. 96—27.

Bittle, David F., and H. E. Haigler, to Monsanto Co. Continuous annealer. 3,230,745, 1–25–66, Cl. 68—5.

Bittle, David F., and H. E. Haigler, Jr., to Monsanto Co. Continuous annealer. 3,240,037, 3–15–66, Cl. 68—5.

Bittle, Harold G.: *See*—
Christenson, Roger M., Vogel, and Bittle. 3,261,881.
Gloyer, Stewart W., Bittle, and Semroc. 3,287,318.
Vogel, Henry A., and Bittle. 3,271,479.

Bittman, Jess C., to The Vaughn Machinery Co. Wire packaging machine. 3,241,786, 3–22–66, Cl. 242—83.

Bittmann, Charles A., and C.-T. Sah, to Fairchild Camera and Instrument Corp. High frequency transistors. 3,280,391, 10–18–66, Cl. 317—234.

Bittner, Charles W., to Precision Parts Co., Inc. Impulse actuator. 3,261,958, 7–19–66, Cl. 200—172.

Bittner, Donald L. Determination of oxidizing and reducing substances. 3,282,649, 11–1–66, Cl. 23—230.

Bittner, Donald L., and C. D. Murdoch; said Murdock assignor to said Bittner. Precision fluid metering device. 3,292,667, 12–20–66, Cl. 141—25.

Bittner, Frank W. Foot steering control for outboard motors. 3,288,099, 11–29–66, Cl. 114—153.

Bittner, Harold R.: *See*—
Chubbuck, John G., and Bittner. 3,277,315.

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Igoe, John W., and Zawadzki. 3,245,308.

Bitzer, Martin, to Trico Products Corp. Windshield cleaner. 3,246,358, 4–19–66, Cl. 51—250.13.

Biver, Jean, to Societe du Carburateur Zenith. Carburetors. 3,284,066, 11–8–66, Cl. 261—70.

Biviator S.A.: *See*—
Adler, Karl, and Ducommun. 3,290,528.

Bivins, Royal G.: *See*—
Fulmer, George M., and Bivins. 3,243,193.

Bivona, Robert C.: *See*—
Way, Arthur L., and Bivona. 3,263,465.

Bixby, Henry D., ½ to D. L. Neil. Method and product for the disposal of radioactive wastes. 3,249,551, 5–3–66, Cl. 252—301.1.

Bixby, Stephen C., and E. P. Selinder, to Honeywell Inc. Temperature responsive slip friction switch. 3,235,691, 2–15–66, Cl. 200—137.

Bixby, Stephen C., and M. R. Jayaram, to Honeywell Inc. Water heater control system. 3,236,450, 2–22–66, Cl. 236—21.

Bixby, Thomas G., to McGill Mfg. Co., Inc. Sealed anti-friction bearing. 3,284,145, 11–8–66, Cl. 308—187.2.

Bixby, Wallace E., to Wedge Wire Corp. Method for making screen. 3,240,237, 3–15–66, Cl. 140—71.

Bixby, Wallace E. Screen panel. 3,289,837, 12–6–66, Cl. 209—395.

Bixby, William E.: *See*—
Smitzer, Louis A., and Bixby. 3,260,408.
Smitzer, Louis A., Gawin, Gross, Balint, and Bixby. 3,283,680.

Bixler, Kenneth D., to Diamond International Corp. Card display packaging. 3,233,725, 2–8–66, Cl. 206—45.14.

Bixler, Kenneth D., to Diamond International Corp. Cover sealed leakproof carton. 3,261,536, 7–19–66, Cl. 229—37.

Bixler, Kenneth D., to Diamond International Corp. Label pack. 3,275,134, 9–27–66, Cl. 206—65.

Bixler, Kenneth D., and E. P. Fanter, to Diamond International Corp. Reclosable carton and blank. 3,233,818, 2–8–66, Cl. 229—39.

Bixler, Kenneth D., and W. S. Peppler, to Diamond International Corp. Carton with improved closure. 3,255,947, 6–14–66, Cl. 229—28.

Bixler, Kenneth D., and R. E. Ralphs, to Diamond International Corp. Container carrier. 3,281,011, 10–25–66, Cl. 220—118.

Bixley, Frederick V. G., to Newnham Industries Pty. Ltd. Apparatus for applying adhesive tape to cartons. 3,282,018, 11–1–66, Cl. 53—137.

Bize, Rene, to Societe Chauvin Arnoux. Electric voltage generator with stabilizing and regulating system. 3,295,041, 12–27–66, Cl. 321—2.

Bizerba-Werke, Wilhelm Kraut K. G.: *See*—
Kuhnle, Ernst, and Schwartz. 3,230,922.

Bizollier, Rene L.: *See*—
Basset, Jacques P. L., Bizollier, and Camus. 3,283,081.

Bizouard, Paul M., and A. G. A. Bazin, to Compagnie des Compteurs. Polyphase signal generating circuit. 3,257,601, 6–21–66, Cl. 321—5.

Bizzigotti, Pio J., to Sperry Rand Corp. Gas bearings. 3,228,734, 1–11–66, Cl. 308—9.

Bizzoco, Felix F., and J. B. Theis, to United States of America, Army. Device for compiling information from an anaglyph. 3,228,287, 1–11–66, Cl. 88—29.

Bjalme, Bengt G.: *See*—
Brown, Thomas G., and Bjalme. 3,288,004.

Bjalme, Bengt G., and T. G. Brown, to Reed Mfg. Co. Pipe cutter. 3,243,878, 4–5–66, Cl. 30—95.

Bjarno, Knud M. H. Container structures. 3,272,423, 9–13–66, Cl. 229—55.

Bjelland, Harley L., D. A. Grafton, and S. M. F. Mak, to The National Cash Register Co. Optical display apparatus. 3,238,841, 3–8–66, Cl. 88—24.

Bjelland, John L.: *See*—
Schutt, Norman C., Flynn, and Bjelland. 3,257,794.
Schutt, Norman C., Flynn, and Bjelland. 3,286,568.

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Lund, Olav G., and Bjerkeseth. 3,263,307.

Bjernekull, Bo A. G., to Aktiebolaget Saab. Method of manufacturing hollow bodies having walls of sandwich construction. 3,271,224, 9–6–66, Cl. 156—245.

Bjorch, Sverker R. F. Y., to Liljeholmens Stearinfabriks Aktiebolag. Automatic device for dipping of candles. 3,256,567, 6–21–66, Cl. 18—24.

Bjordahl, James: *See*—
Brastow, Edgar R., and Bjordahl. 3,276,268.
Voge, Andrew, and Bjordahl. 3,263,508.

Bjork, Eldon F. Toy marble conveying machine. 3,251,155, 5–17–66, Cl. 46—42.

Bjork, Gust H., to Bjork and Johnson, Inc. Muffler with transverse expanded metal baffles. 3,232,373, 2–1–66, Cl. 181—36.

Bjork and Johnson, Inc.: *See*—
Bjork, Gust H. 3,232,373.

Bjorklund, Bengt E.: *See*—
Oenmark, Olov S., and Bjorklund. 3,233,392.

Bjorklund, Bjorn, to Malmo Strumpfabrik, Aktiebolaget. Packaging and distributing box, stocking dispenser or the like. 3,289,883, 12–6–66, Cl. 221—48.

Björklund, Gustaf E.: *See*—
Gransten, Gunnar L., and Björklund. 3,245,322.

Björklund, Gustaf E., to Rederi Ab Soya. Choked pressure type pilot operated valve with remote pilot valve actuation. 3,241,804, 3–22–66, Cl. 251—41.

Bjorklund, Gustaf E., to Rederi Ab Soya. Process for mixing gas with oil in droplet form in pneumatic installations for the purpose of mist lubrication, and an arrangement for carrying out the process. 3,243,014, 3–29–66, Cl. 184—55.

Bjorkman, Bengt H., to North American Philips Co., Inc. Radio navigation equipment. 3,281,845, 10–25–66, Cl. 343—112.

Bjorkman, Bengt H., and N. S. Nilsson, to North American Philips Co., Inc. Device for deriving from a control AC-voltage of relatively high frequency an AC-voltage of lower frequency and with a predetermined phase position in time. 3,263,174, 7–26–66, Cl. 328—25.

Bjorn-Larsen, Knut L. Panty girdle and stocking support. 3,253,599, 5–31–66, Cl. 128—524.

Bjorn, Thomas E., to Stewart-Warner Corp. Oil mist fluid monitor. 3,266,734, 8–23–66, Cl. 250—218.

Bjorndal, Oystein. Hydraulic means. 3,288,076, 11–29–66, Cl. 103—126.

Bjornsen, Bjorn G., and T. J. Lechner, Jr., to Johnson Service Co. Fluid control apparatus. 3,272,215, 9–13–66, Cl. 137—81.5.

Bjornsen, Bjorn G., and T. J. Lechner, Jr., to Johnson Service Co. Fluid control. 3,279,489, 10–18–66, Cl. 137—81.5.

Bjornsen, Bjorn G., and T. J. Lechner, Jr., to Johnson Service Co. Input fluid control apparatus. 3,285,263, 11–15–66, Cl. 137—81.5.

Bjornsen, Bjorn G., T. J. Lechner, Jr., and P. H. Sorenson, to Johnson Service Co. Pure fluid integrator. 3,294,319, 12–27–66, Cl. 235—200.

Bjornson, Geir: *See*—
Czenkusch, Edward L., Hogan, Walker, and Bjornson. 3,244,682.

Blaauw, Gerrit A.: *See*—
Ottaway, Gerald H., Boland, Blaauw, and Keslin. 3,234,367.

Blaauw, Gerrit A., and O. Goering, to International Business Machines Corp. Selective data transfer apparatus. 3,245,047, 4–5–66, Cl. 340—172.5.

Blachly, Donald L., and J. R. Prengel, to John Oster Mfg. Co. Portable humidifier. 3,290,021, 12–6–66, Cl. 261—29.

Blachowicz, Leon F., and H. D. Shearer, to Electronic Communications, Inc. Analog-to-digital translator. 3,283,320, 11–1–66, Cl. 340—347.

Blachowski, John A.: *See*—
Hall, Emery L., and Blachowski. 3,270,595.

Blachowski, John A., to Skil Corp. Swivel-type tool adapter. 3,232,151, 2–1–66, Cl. 81—177.

Black, Allen V., L. B. Turner, and R. L. Waters, to Textron Inc. Independent folding tablet arm chair. 3,261,641, 7-19-66, Cl. 297—162.

Black Clawson Co., The: *See*—
Carr, Wayne F. 3,276,583.
Coghill, James T. 3,255,038.
Du Bois, Gary B. 3,275,254.
Espenmiller, Howard P., and Bridge. 3,245,868.
Fruitman, Frank W. 3,293,708.
Gove, Harvey H., and Hoffman. 3,253,300.
Hautau, Charles F. 3,286,324.
Hill, Robert L. 3,260,433.
Hoffman, Robert E. 3,238,563.
Hoffman, Robert E., and Koppehele. 3,230,582.
Kullgren, Gilbert V., and Hanvill. 3,254,368.
Martin, Frederick A. 3,293,121.
Penrod, William R., and Wentworth. 3,253,795.
Rojecki, Walter E. 3,263,285.
Rojecki, Walter E. 3,269,893.
Swickard, James L., Jr., and Gove. 3,287,764.

Black, Charles E. Vehicle wheel supported ladder. 3,249,367, 5-3-66, Cl. 280—165.

Black, Clifford J.: *See*—
Faulkner, Joseph A., Black, and Rolfe. 3,274,585.

Black, Davis R., Jr.: *See*—
Pare, Robert L. 3,273,473.

Black and Decker Mfg. Co., The: *See*—
Elson, Donald E. 3,262,473.
Elson, Donald E. 3,267,974.
Elson, Donald E., and Elmore. 3,259,232.
Elson, Donald E., and Elmore. 3,261,454.
Enders, Sherwood G. 3,262,474.
Enders, Sherwood G. 3,267,975.
Enders, Sherwood G. 3,269,197.
Enders, Sherwood G. 3,293,740.
Filander, Arthur H., and Chambers. 3,294,182.
Maffey, George E., Jr. 3,290,524.
Mazepa, Robert. 3,263,909.
McCarty, George W. 3,262,471.
McCarty, George W., and Foell. 3,242,953.
McCarty, George W., and Foell. 3,262,472.
Riley, Robert H., Jr., and Koen. 3,294,183.
Riley, Robert H., Jr., and Rosenthal. 3,291,927.
Romanowski, Henry J., Ashauer, and Pittinger. 3,259,-231.
Sheaps, Martin I., and Beckering. 3,245,439.
Wilson, Alexander C. R., and Lawrence. 3,286,150.
Wilson, Alexander C. R., and Saffell. 3,260,873.

Black, Ernest P.: *See*—
Clelland, James B., Ferris, and Black. 3,265,517.
Ferris, Seymour W., Black, and Clelland. 3,264,206.

Black, Frank S., and H. B. Foote, to General Electric Co. High temperature flexible electrical cable having a plurality of conductors arranged in a spiral configuration. 3,231,-845, 1-25-66, Cl. 339—29.

Black, Harold N., and L. L. Melton, to Halliburton Co. Temporary plugging agent. 3,227,212, 1-4-66, Cl. 166—22.

Black, Herman W. and K. D., 35% to R. R. Wright. Table and suspended chair unit. 3,262,733, 7-26-66, Cl. 297—142.

Black, Herman W., and R. R. Wright. Mobile garbage can rack. 3,276,600, 10-4-66, Cl. 211—71.

Black, Ignor A.: *See*—
Webb, James E. 3,242,716.

Black, James A.: *See*—
Rosema, Thomas J., and Farwell. 3,273,497.

Black, James A. Method and apparatus for continuously maintaining a layer of coating material on a screen during printing and for controlling the viscosity of the coating material. 3,252,411, 5-24-66, Cl. 101—124.

Black, James B.: *See*—
Rosema, Thomas J. 3,235,058.
Snoy, Joseph B., Hilpert and Black. 3,243,026.

Black, James B., J. J. Jameson, and J. B. Snoy, to Twin Disc Clutch Co. Power transmission. 3,259,218, 7-5-66, Cl. 192—3.5.

Black, James B., and C. R. Hilpert, to Twin Disc Clutch Co. Clutch with dual pistons for quick slack take up. 3,262,-531, 7-26-66, Cl. 192—87.

Black, James G., Jr.: *See*—
Rayburn, Charles C., and Black. 3,289,270.

Black, James G., Jr., and C. C. Rayburn, to Illinois Tool Works Inc. Method of assembling leads to wound capacitors. 3,292,233, 12-20-66, Cl. 29—25.42.

Black, James H. Area surveillance device. 3,285,151, 11-15-66, Cl. 95—15.

Black, James J., to Pullman Inc. Split bridge assembly. 3,228,355, 1-11-66, Cl. 105—458.

Black, James J., to Pullman Inc. Vehicle floor construction. 3,269,072, 8-30-66, Cl. 52—377.

Black, James J., J. E. Gutridge, R. B. Bergstrand, and W. Van Der Sluys, to Pullman Inc. Container car and container therefor. 3,260,223, 7-12-66, Cl. 105—366.

Black, Jane A., to Sta-Crete Inc. Cable splice closure. 3,233,-035, 2-1-66, Cl. 174—93.

Black, Kae D.: *See*—
Black, Herman W. and K. D. 3,262,733.

Black, Kenneth G., to General Electric Co. D.-C. current regulator including a high gain saturating amplifier. 3,284,688, 11-8-66, Cl. 318—332.

Black, Kenneth G., and P. E. Dornbusch, to General Electric Co. Voltage regulation for direct current motors. 3,237,-074, 2-22-66, Cl. 318—308.

Black, Lloyd V., and H. E. McKelvey, to Pittsburgh Plate Glass Co. Apparatus for bending glass. 3,248,199, 4-26-66, Cl. 65—290.

Black, Lloyd V., and J. S. Golightly, to Pittsburgh Plate Glass Co. Glass bending mold with pivoted end sections. 3,248,-201, 4-26-66, Cl. 65—290.

Black, Lloyd V., and H. E. McKelvey, to Pittsburgh Plate Glass Co. Glass sheet bending mold with pivoted end sections. 3,284,183, 11-8-66, Cl. 65—291.

Black, Malcolm H.: *See*—
Poll, Gerald S., and Black. 3,294,630.

Black, Matthew B., III, E. E. Fraust, W. S. Barnhart, and R. Netsch, to Pennsalt Chemicals Corp. Chemical product and method for its manufacture. 3,265,679, 8-9-66, Cl. 260—92.1.

Black, Paul W., to Motorola, Inc. Combined encoder-decoder device providing rapid build up of oscillations. 3,292,085, 12-13-66, Cl. 325—18.

Black Products Co.: *See*—
Lau, Erwin M. 3,258,041.
Lau, Erwin M. 3,263,712.
Lau, Erwin M. 3,294,127.

Black, Raymond J., and A. H. Osborne, to The Bendix Corp. Strain gauge means. 3,237,500, 3-1-66, Cl. 116—114.

Black, Richard A., to Bell Fibre Products Corp. Protective carton structure. 3,253,770, 5-31-66, Cl. 229—40.

Black, Richard A., to Bell Fibre Products Corp. Reel construction. 3,278,135, 10-11-66, Cl. 242—118.8.

Black, Richard D. Exhibition flower pot and stand. 3,262,-665, 7-26-66, Cl. 248—153.

Black, Richard W.: *See*—
Berg, Quentin, and Black. 3,276,098.

Black, Richard W., and R. E. Bendl, to United States of America, Army. Portable ship's wing for cargo transfer by helicopter. 3,285,435, 11-15-66, Cl. 214—15.

Black, Robert E., to General Motors Corp. Radioactive radiation transducer device for measuring variable conditions. 3,254,211, 5-31-66, Cl. 250—43.5.

Black, Robert J.: *See*—
Beach, Laurence R., Jr., and Black. 3,260,870.

Black, Robert L., Jr., to Parker-Cramer Co. Traveling textile cleaning apparatus with filter cleaning means. 3,251,175, 5-17-66, Cl. 55—294.

Black, Rodrick E.: *See*—
Poletika, Nicholas V., and Black. 3,271,184.

Black, Sheppard A., to United States Rubber Co. Inflatable annular bladder used to form the bead region of a pneumatic tire carcass. 3,272,677, 9-13-66, Cl. 156—401.

Black, Sheppard A., and J. D. Heide, to United States Rubber Co. Automatic machine and method. 3,281,304, 10-25-66, Cl. 156—351.

Black, Sivalls & Bryson, Inc.: *See*—
McCarthy, Eugene L., McMinn, and Worley. 3,245,205.
Mitchell, Kenneth G. 3,247,886.
Thurley, John, and Lowry. 3,265,113.
Wood, Loren E. 3,294,277

Black, Sivalls & Bryson, Inc. (BS&B): *See*—
Conover, William J. 3,228,376.
Conover, William J. 3,229,663.
Conover, William J. 3,235,232.
Conover, William J. 3,283,744.

Black, Stewart L.: *See*—
Hanson, Theodore L., Black, and Ferguson. 3,269,138.

Black, Sydney J. Combined envelope and statement form. 3,255,952, 6-14-66, Cl. 229—73.

Black, Warren R., and R. L. Knapp, to American Seating Co. Function selecting mechanism. 3,290,956, 12-13-66, Cl. 74—365.

Black, William: *See*—
Barron, Gordon, Black, and Topham. 3,288,621.

Black, William A. P., E. T. Dewar, and D. Rutherford, to United States of America, Agriculture. Carbohydrate derived polymers of acrylonitrile. 3,275,582, 9-27-66, Cl. 260—17.4.

Black, William B., to Monsanto Co. Crystalline polyacrylyllactams. 3,254,006, 5-31-66, Cl. 260—88.3.

Black, William B., and D. B. Capps, to Monsanto Co. Graft copolymer of a 5-6 membered lactam ring onto a polyacryl halide backbone. 3,243,476, 3-29-66, Cl. 260—857.

Black, William B., and D. B. Capps, to Monsanto Co. Process of grafting a 7-8 membered lactam ring onto polyacrylyl halide. 3,243,477, 3-29-66, Cl. 260—857.

Black, William H., to Winzeler South, Inc. Furniture hardware. 3,248,750, 5-3-66, Cl. 16—126.

Blackaby, Robert J. Bailed can carriers. 3,262,727, 7-26-66, Cl. 294—15.

Blackadder, Alexander R., and M. L. Shelley, to Communications Patents Ltd. Flight training apparatus. 3,293,348, 12-20-66, Cl. 35—10.2.

Blackburn, Alan B., to Hobart Bros. Co. Welding machine. 3,230,341, 1-18-66, Cl. 219—125.

Blackburn, Alan B., to Hobart Bros. Co. Electronic voltage detection and protection device. 3,243,658, 3-29-66, Cl. 317—31.

Blackburn, Alan B., to Hobart Bros. Co. Electronic frequency error detector. 3,244,937, 4-5-66, Cl. 317—9.

Blackburn, Charles L., C. E. Hottman, and R. K. Johnson, to Shell Oil Co. Method utilizing formation resistivity measurements for determining formation fluid pressures. 3,237,094, 2-22-66, Cl. 324—1.

Blackburn, Jasper, Corp.: *See*—
Toedtman, John 3,236,938.

Blackburn, Robert W., to Atomic Energy of Canada Ltd. Moderator dump gates. 3,280,000, 10-18-66, Cl. 176—27.

Blackburn, Walter L. Deck button. 3,285,572, 11-15-66, Cl. 254—150.

Blackburn, Walter L. Ratchet connector. 3,292,567, 12-20-66, Cl. 114—235.

Blacker, William M., 5% to G. C. Gakle, 9¼% to J. A. Briggs, 9¼% to J. K. Sommer, 9¼% to R. P. Tinkham, Jr., 4½% to Southern Indiana Railway, Inc., 6% to J. C. Geupel, 5% to A. Somerville, 4¼% to W. F. Welch, and 7½% to M. O. Hooton. Carburetor attachment. 3,242,915, 3-29-66, Cl. 123—119.

Blackford, Donald E., to Lincoln Brass Works. Gas valve operating structure. 3,260,497, 7-12-66, Cl. 251—184.

Blackford, William, to General Electric Co. Semiconductor device mounting having one portion of the semiconductor secured to a lead. 3,249,826, 5-3-66, Cl. 317—234.

Blackford, William, to General Electric Co. Semiconductor device mounting with embedded thermal matching contact members. 3,275,907, 9-27-66, Cl. 317—234.

Blackhall, Alexander, and G. Booth, to Imperial Chemical Industries Ltd. Cobalt and chromium-complex azo dyestuffs free from sulfonic and carboxylic acid groups, and carrying an acryloylamino radical. 3,252,963, 5-24-66, Cl. 260—147.

Blackhall, Douglas J. W., to J. Blakeborough & Sons Ltd. Water jet dispersers. 3,249,309, 5-3-66, Cl. 239—518.

Blackhall, James M., to International Telephone and Telegraph Corp. PPCS toll ticketing system. 3,261,917, 7-19-66, Cl. 179—8.

Blackhurst, Robert V.: *See*—
Davies, David O., and Blackhurst. 3,265,291.

Blackhurst, Robert V., and E. Evans, to Rolls-Royce Ltd. Lubrication of bearings. 3,266,596, 8-16-66, Cl. 184—6.

Blackhurst, Robert V., and G. C. May, to Rolls-Royce Ltd. Bladed structure, for example, for a gas turbine engine compressor. 3,291,382, 12-13-66, Cl. 230—133.

Blackington, Paul A., to The Bendix Corp. Ignition system energized by either A.C. or D.C. source. 3,229,160, 1-11-66, Cl. 315—175.

Blackinton, Roswell J.: *See*—
Brown, Gordon P., and Blackinton. 3,268,478.

Blackley, Carl W.: *See*—
Bulmer, Kurt, and Folts. 3,285,462.

Blacklock, Leo B., B. J. Taylor, and C. G. Young, to Baker Perkins Inc. Conveyors. 3,229,826, 1-18-66, Cl. 214—16.4.

Blackman, Peter N., to Canada Bread Co., Ltd. Feeding and cartoning apparatus. 3,257,770, 6-28-66, Cl. 53—250.

Blackman, Ralph B., to Bell Telephone Laboratories, Inc. System for determining the orbital parameters of a terrestrial satellite. 3,271,565, 9-6-66, Cl. 235—152.

Blackmar, Robert J.: *See*—
Cook, Arnold M., and Blackmar. 3,277,585.

Blackmer, David E., to Instrumentation Laboratory Inc. Photomodulator for use with high gain D.C. amplifier. 3,283,-157, 11-1-66, Cl. 250—209.

Blackmon, James B., Jr., D. E. Knapp, J. C. Moule, and J. F. Crocker, to Douglas Aircraft Co., Inc. Dielectrophoretic propellant orientation system. 3,279,253, 10-18-66, Cl. 73—304.

Blackmon, Shelby R. Combination pocket fountain toothbrush and toy gun. 3,246,361, 4-19-66, Cl. 15—558.

Blackmore, Joseph J., and P. G. Glunt. Flow director and strainer. 3,266,437, 8-16-66, Cl. 103—220.

Blackmore, Joseph J., and P. G. Glunt. Pre-heating and deaeration system for boiler feed water. 3,288,208, 11-29-66, Cl. 165—108.

Blackmore, Richard L., to Robert A. Boake & Co., Ltd. Production of terpene compounds. 3,281,485, 10-25-66, Cl. 260—677.

Blackmore, Robert C. Projector construction. 3,271,096, 9-6-66, Cl. 352—72.

Blackstead, Eric N.: *See*—
Hopmeier, Arthur P., and Blackstead. 3,280,142.

Blackstone Corp.: *See*—
Baird, Gordon F. 3,262,495.
Carlson, Richard E., and Paulin. 3,272,165.
Douglas, Peyton W. 3,246,837.
Laudenslager, Harry B., Jr. 3,249,472.
Murdoch, Alexander, Jr. 3,229,702.

Blackwell, Jennings P.: *See*—
Reinert, Andrew J., and Blackwell. 3,238,097.

Blackwell, Jennings P., to Phillips Petroleum Co. Aliphatic sulphonyl halides. 3,238,255, 3-1-66, Cl. 260—543.

Blackwell, Lawrence A.: *See*—
Kotzebue, Kenneth L., and Blackwell. 3,293,556.

Blackwell, Wayne V., and L. R. Stark. Double-acting solenoid pump. 3,282,219, 11-1-66, Cl. 103—53.

Blackwood, George W., and D. D. Hundt, to W. R. Grace & Co. Jar seal. 3,235,114, 2-15-66, Cl. 215—40.

Blackwood, Henson U. Plow with adjustable and replaceable elements. 3,289,772, 12-6-66, Cl. 172—251.

Blackwood, Robert K., H. H. Rennhard, J. J. Beereboom, and C. R. Stephens, Jr., to Chas. Pfizer & Co., Inc. 6-deoxy-6-demethyl-6-halomethylene tetracyclines and their 11a-chloro and fluoro derivatives. 3,250,809, 5-10-66, Cl. 260—559.

Blackwood, Robert K., H. H. Rennhard, J. J. Beereboom, and C. R. Stephens, Jr., to Chas. Pfizer & Co., Inc. 6-hydroxy-6-halomethyl tetracyclines. 3,250,810, 5-10-66, Cl. 260—559.

Blackwood, Robert K., H. H. Rennhard, J. J. Beereboom, and C. R. Stephens, Jr., to Chas. Pfizer & Co., Inc. 6-demethyl-6-halomethyl 5a,6-anhydrotetracyclines. 3,264,348, 8-2-66, Cl. 260—559.

Bladen, Thomas H., to United States of America, Navy. Automatic signal searching means for maintaining a radio-frequency oscillator at a predetermined frequency. 3,249,-855, 5-3-66, Cl. 324—.5.

Bladen, Thomas H., to United States of America, Navy. High input impedance complementary symmetry transistor emitter-follower. 3,281,703, 10-25-66, Cl. 330—13.

Blades, Alfred N., to Coulter Electronics, Inc. Apparatus for dispensing measured volumes of fluid. 3,291,347, 12-13-66, Cl. 222—136.

Blades, Charles E.: *See*—
Casey, John A., and Blades. 3,247,151.

Blades, Charles E., and A. J. Buselli, to Cumberland Chemical Corp. Freeze-thaw stable vinyl ester polymer emulsions containing a small amount of copolymerized hydrophilic monomer and the preparation thereof. 3,231,534, 1-25-66, Cl. 260—29.6.

Blades, Charles E., and S. J. Dumovich, to Cumberland Chemical Corp. Vinyl stearate-maleic anhydride copolymers. 3,249,592, 5-3-66, Cl. 260—78.5.

Blades, Herbert, and J. R. White, to E. I. du Pont de Nemours and Co. Ultramicrocellular structures of crystalline organic polymer. 3,227,664, 1-4-66, Cl. 260—2.5.

Blades, Herbert, and J. R. White, to E. I. du Pont de Nemours and Co. Process for producing molecularly oriented structures by extrusion of a polymer solution. 3,227,784, 1-4-66, Cl. 264—53.

Bladh, Per V. H.: *See*—
Ekegren, Sven G., and Bladh. 3,275,142.

Blaha, Emil, to Selas Corp. of America. Production of filter membranes. 3,287,112, 11-22-66, Cl. 75—222.

Blaich, Emil, to Robert Bosch, G.m.b.H. Fluid-tightly closed devices, such as storage batteries or the like, and method for manufacturing the same. 3,258,369, 6-28-66, Cl. 136—170.

Blaich, Emil, and G. Niemann, to Robert Bosch G.m.b.H. Storage batteries. 3,264,141, 8-2-66, Cl. 136—134.

Blaiklock, William J., to Pratt & Whitney Inc. Gage plug. 3,241,356, 3-22-66, Cl. 73—37.9.

Blain, Jim W., A. B. Leaman, R. A. Nelson, and D. C. Zapf, to Lockheed Aircraft Corp. Zip cartridge. 3,249,010, 5-3-66, Cl. 89—1.

Blaine, Frank. Mounting and tensioning device for annular saws. 3,254,641, 6-7-66, Cl. 125—15.

Blaine, John C., to Libbey-Owens-Ford Glass Co. Method and apparatus for consolidating batch. 3,294,506, 12-27-66, Cl. 65—27.

Blainey, Alan, and J. F. H. Custers. Diamond abrasive particles in a metal matrix. 3,239,321, 3-8-66, Cl. 51—309.

Blair, Benton, to F. Blair. Bird feeder. 3,244,150, 4-5-66, Cl. 119—52.

Blair, Boyd C., to Brackett Stripping Machine Co., Inc. Feeding and taping machine. 3,260,516, 7-12-66, Cl. 270—57.

Blair, Calvin B. Expandable truck bed. 3,245,714, 4-12-66, Cl. 296—26.

Blair, Calvin B. Bale handling apparatus. 3,259,260, 7-5-66, Cl. 214—147.

Blair, Clair L. Figure simulating attachment for bicycles. 3,259,395, 7-5-66, Cl. 280—1.203.

Blair, D. L., Service Corp.: *See*—
Draddy, Cyril F., and Landis. 3,229,902.

Blair, Donald J.: *See*—
Parkinson, Thomas F., Dalton, Blair, and Driscoll. 3,228,847.

Blair, Edgar A., to Sun Oil Co. Conversion of methyl halides to high molecular weight organic compositions. 3,257,333, 6-21-66, Cl. 260—2.

Blair, Etcyl H., and J. L. Wasco, to The Dow Chemical Co. Phosphoramidates and phosphoramidothioates. 3,281,504, 10-25-66, Cl. 260—940.

Blair, Farnham: *See*—
Blair, Benton. 3,244,150.

Blair, Gerald E., D. P. Hamblen, and R. A. Weidel, to Bausch & Lomb Inc. Vanadium pentoxide-metal metaphosphate glass compositions. 3,278,317, 10-11-66, Cl. 106—47.

Blair, George S.: *See*—
Shaw, Harry, Pearce, and Blair. 3,260,033.

Blair, Hugh T., and R. L. Hatton, to Resinite Corp. Method of making a spirally-wound tube. 3,279,333, 10-18-66, Cl. 93—94.

Blair, John W., to The Bendix Corp. Split system indicating means. 3,228,194, 1-11-66, Cl. 60—54.5.

Blair, Joseph N. Wall and corner with grouted interlocked blocks. 3,238,680, 3-8-66, Cl. 52—259.

Blair, Raymond H., to United States of America, Navy. Spring connector for printed circuit board. 3,281,751, 10-25-66, Cl. 339—17.

Blair, Richard W.: *See*—
Hatch, Seymour A., Morley, and Blair. 3,241,843.
Hatch, Seymour A., Morley, and Blair. 3,291,494.

Blair, Richard W., to Chicago Rawhide Mfg. Co. End face seal assembly. 3,279,804, 10-18-66, Cl. 277—92.

Blair, Richard W., to Chicago Rawhide Mfg. Co. End face seal. 3,291,493, 12-13-66, Cl. 277—92.

Blair, Robert C., to The British Plaster Board (Holdings) Ltd. Process and apparatus for continuous calcining of powdered gypsum rock. 3,236,509, 2-22-66, Cl. 263—21.

Blair, Rolla W. Vehicle hand brake and generator signal system. 3,286,231, 11–15–66, Cl. 340—69.
Blair, Ruth G. Animated horse attachment for a tricycle. 3,284,090, 11–8–66, Cl. 280—1.202.
Blair, William E.: *See*—
Radke, Richard P., and Blair. 3,238,918.
Blair, Winton B.: *See*—
Bell, William T., Blair, and Shapiro. 3,282,213.
Blais, Robert L., to The Kaydon Engineering Corp. Roller bearing. 3,275,391, 9–27–66, Cl. 308—174.
Blaisdell, Arthur A.: *See*—
Hines, Marion E., and Blaisdell. 3,281,647.
Blaisdell, Leonard L., to Sylvania Electric Products Inc. Millimeter phased array. 3,277,489, 10–4–66, Cl. 343—777.
Blaise, Herman T., to United States of America, Army. Adapter device for attaching a tool unit to a horizontal boring mill. 3,237,897, 3–1–66, Cl. 248—16.
Blake, Arthur T. Self-locking core chucks. 3,231,212, 1–25–66, Cl. 242—68.2.
Blake, Curtis E., and L. Bowen, to Sargent and Greenleaf Inc. Adjustable contact assembly for resonant reed relays. 3,281,732, 10–25–66, Cl. 335—94.
Blake, Donald T. Anti-pickpocket device. 3,245,089, 4–12–66, Cl. 2—254.
Blake, Edward S.: *See*—
De Brunner, Ralph E., Webster, and Blake. 3,227,761.
Blake, Edward S., D. R. Dalton, and R. E. De Brunner, to Monsanto Research Corp. Fluorine-containing organic compounds of phosphorus. 3,288,890, 11–29–66, Cl. 260—955.
Blake, Edward S., R. E. De Brunner, and G. A. Richardson, to Monsanto Research Corp. Chlorine-substituted diarylalkanes as hydraulic fluids. 3,290,253, 12–6–66, Cl. 252—78.
Blake, Frederick H. Machine for forming shaped articles of meat and the like and for supplying paper sheets and the like. 3,256,557, 6–21–66, Cl. 17—32.
Blake, Frederick L., deceased; by B. A. Dickson, administratrix, to Dickson Electronics Corp. Method of forming semiconductors. 3,228,812, 1–11–66, Cl. 148—187.
Blake, Gilbert D.: *See*—
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Blake, James A., to Hood, Gust & Irish. Frequency keyed transistor oscillator signal receiver. 3,248,722, 4–26–66, Cl. 340—311.
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Blake, Kenneth R., to Micromatic Hone Corp. Method and apparatus for electrolytic machining. 3,285,843, 11–15–66, Cl. 204—143.
Blake, Kenneth R., to Micromatic Hone Corp. Interface energy control. 3,287,860, 11–29–66, Cl. 51—165.
Blake, Leslie R. Drawing aid. 3,261,099, 7–19–66, Cl. 33—78.
Blake, Max A., and D. W. Howorth. Multiple quick-change rotary power tool mounting and coupling apparatus. 3,248,954, 5–3–66, Cl. 74—16.
Blake, Minden V. Apparatus operative when a predetermined rate of movement occurs. 3,244,382, 4–5–66, Cl. 242—107.4.
Blake, Ralph K., to E. I. du Pont de Nemours and Co. Image yielding layers. 3,284,206, 11–8–66, Cl. 96—107.
Blake, Robert P.: *See*—
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Brazee, John A. 3,234,459.
Love, Edgar L. 3,239,916.
Blakeborough, J., & Sons Ltd.: *See*—
Blackhall, Douglas J. W. 3,249,309.
Blakeley, James, to Victaulic Co. of America. Pipe joints and the gasketing thereof. 3,291,506, 12–13–66, Cl. 285—112.
Blakeley, Richard H. Method of calibrating tension indicating bolt. 3,248,923, 5–3–66, Cl. 73—1.
Blakely, James T., Jr. Loom harness operating mechanism. 3,262,469, 7–26–66, Cl. 139—84.
Blaker, David P., and K. J. Conrad. Bowling ball hole gauging device. 3,271,870, 9–13–66, Cl. 33—174.
Blakesley, Richard C., to The Gleason Works. Inserted blade face mill cutter. 3,268,981, 8–30–66, Cl. 29—105.
Blakesley, Richard C., and L. J. Smith, to The Gleason Works. Inserted blade face mill cutter. 3,268,980, 8–30–66, Cl. 29—105.
Blakesley, Roland F., to Essex Wire Corp. Double lockwasher construction. 3,285,313, 11–15–66, Cl. 151—35.
Blakesley, Roland F., to Essex Wire Corp. Flag tab receptacle terminal. 3,286,221, 11–15–66, Cl. 339—223.
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Blakewell, Roland F., L. H. Smith, and M. W. Loveland, to Atlas-Pacific Engineering Co. Fruit orientor. 3,272,311, 9–13–66, Cl. 198—33.
Blakey, Angus R., Jr., and E. A. Coleman II, to E. I. du Pont de Nemours and Co. Process for producing foam cigarette filters. 3,253,967, 5–31–66, Cl. 156—1.
Blance, Robert B., and S. M. Cohen, to Monsanto Co. Poly N-propyl-N-vinylacetamide in hair setting compositions. 3,285,819, 11–15–66, Cl. 167—87.1.
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Krueger, Archie S., Slye, and Blanchard. 3,291,411.
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Blanchard, Clayton H., and K. S. McIntosh, to LRC Electronics Inc. Variable capacitor. 3,275,913, 9–27–66, Cl. 317—249.
Blanchard, Elwood P., Jr., to E. I. du Pont de Nemours and Co. 1-cyano and 1-carbamyl-3-alkylbicyclo [1.1.0] butanes and processes for preparing the same. 3,234,264, 2–8–66, Cl. 260—464.
Blanchard, Elwood P., Jr., to E. I. du Pont de Nemours and Co. N-hydrocarbyloxyiminomalononitriles and process for preparing them. 3,234,266, 2–8–66, Cl. 260—465.5.
Blanchard, Elwood P., Jr., and B. C. McKusick, to E. I. du Pont de Nemours and Co. Aminobicycloalkanes. 3,258,469, 6–28–66, Cl. 260—326.8.
Blanchard, Floyd W. Remotely controlled toy vehicle. 3,237,343, 3–1–66, Cl. 46—95.
Blanchard, Floyd W. Headrest. 3,283,344, 11–8–66, Cl. 5—338.
Blanchard, Harry S., and H. L. Finkbeiner, to General Electric Co. Process for preparing poly(halophenylene ethers). 3,256,243, 6–14–66, Cl. 260—47.
Blanchard, Harry S., H. L. Finkbeiner, to General Electric Co. Copper catalyst and process of making. 3,259,629, 7–5–66, Cl. 260—270.
Blanchard, Harry S., and H. L. Finkbeiner, to General Electric Co. Copper complex and method of making. 3,277,095, 10–4–66, Cl. 260—270.
Blanchard, Irene C. Ash tray. 3,276,455, 10–4–66, Cl. 131—240.
Blanchard, Peter M., to British Petroleum Co. Ltd. Siloxane ester lubricants. 3,290,248, 12–6–66, Cl. 252—49.6.
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Blanchard, Udell L., Jr., and G. A. Evans, Jr., to American Seating Co. Pin and plate connectors for folding chair gangs. 3,227,487, 1–4–66, Cl. 297—248.
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Blanchon, Etienne. Process for separating the enzymes and nutritive constituents contained in the envelope and cortical layer of cereal grains. 3,255,015, 6–7–66, Cl. 99—9.
Blanchon, Etienne M. J. Processes for the extraction of proteins and other useful constituents contained in vegetable tissues. 3,258,407, 6–28–66, Cl. 195—3.
Blanchon, Etienne M. J. Production of a food product by the enzymatic treatment of cereal grains. 3,262,783, 7–26–66, Cl. 99—1.
Blanck, Joachim H.: *See*—
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Happel, John, Marsel, and Blanck. 3,235,618.
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Bland, Charles C., to Flex-O-Lite Mfg. Corp. Apparatus for production of glass beads by dispersion of molten glass. 3,252,780, 5–24–66, Cl. 65—141.
Bland, George F., to International Business Machines Corp. Low-noise memory. 3,289,186, 11–29–66, Cl. 340—174.
Bland, John, to Economic Foundations Ltd. Tunnel-lining machines. 3,232,062, 2–1–66, Cl. 61—84.
Blandford, Herbert S., ½ to M. Casson. Tamperproof identification device. 3,273,268, 9–20–66, Cl. 40—2.2.
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Dufendach, William R., and Blanding. 3,255,418.
Blanding, Wendell S., and J. P. Hocker, to Corning Glass Works. Portable electric heating device. 3,267,256, 8–16–66, Cl. 219—446.
Blaney, Franklin J., to Golden Anderson Valve Specialty Co., Inc. Oscillatory actuator. 3,270,624, 9–6–66, Cl. 91—418.
Blaney, Vernon O. Clip-on welding glasses. 3,254,932, 6–7–66, Cl. 351—47.
Blanford, William F., to Aeroplast Corp. Package. 3,279,595, 10–18–66, Cl. 206—63.2.
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Blank, Benjamin, and J. F. Kerwin, to Smith Kline & French Laboratories. Phenyldesoxythyronines. 3,287,396, 11–22–66, Cl. 260—471.
Blank, Charles E., Sr., to Ingersoll-Rand Co. Solid ring packing. 3,276,781, 10–4–66, Cl. 277—141.

Blank, Hans G., to General Telephone and Electronics Laboratories, Inc. Oscillator employing electroluminescent and photoconductive components. 3,235,735, 2–15–66, Cl. 250—209.
Blank, Hans G., to General Telephone and Electronics Laboratories, Inc. Signal translator. 3,260,889, 7–12–66, Cl. 315—169.
Blank, Hans G., and M. Wasserman, to General Telephone and Electronics Laboratories, Inc. Display device. 3,240,990, 3–15–66, Cl. 315—169.
Blank, John M., and H. J. Shafer, Jr., to Owens-Illinois Glass Co. Method and apparatus for decorating glassware. 3,251,707, 5–17–66, Cl. 117—43.
Blank, Rudolf, R. Matejec, and R. Rause, to Agfa Aktiengesellschaft. Transparent intensifier foils for use with photographic materials for recording X-rays, γ-rays or corpuscular rays. 3,282,697, 11–1–66, Cl. 96—82.
Blank, Stewart M. Safety shock absorber systems. 3,268,256, 8–23–66, Cl. 297—216.
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Blankenbecler, Leonard C. Expendable casting device. 3,281,983, 11–1–66, Cl. 43—43.12.
Blankenhorn, Frederick F., to Stewart-Warner Corp. Heat exchanger using brazed joints. 3,252,510, 5–24–66, Cl. 165—166.
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Blankenship, Verlie E., to Cutters Machine Co., Inc. Apparatus for hoisting and transporting a table. 3,286,986, 11–22–66, Cl. 254—6.
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Blanz, John. Display support. 3,239,182, 3–8–66, Cl. 248—223.
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Blaske, Joseph A., Sr., and J. T. Blaske, Jr., to Product Experimental Development. Means of lifting containers or vessels. 3,284,125, 11–8–66, Cl. 294—86.
Blaskowski, Henry J., to Combustion Engineering, Inc. Vapor generator steam temperature control. 3,260,244, 7–12–66, Cl. 122—33.
Blaskowski, Henry J., to Combustion Engineering, Inc. Steam generator and regenerative air heating system therefor. 3,280,798, 10–25–66, Cl. 122—1.
Blasnik, William, and B. C. Sharp, to International Patent Research Corp. Aspiration spray device. 3,254,844, 6–7–66, Cl. 239—318.
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Blaszkowski, Henry. Apparatus for hard coating metal surfaces. 3,277,266, 10–4–66, Cl. 219—76.

Blaszkowski, Henry. Method and apparatus for treating electrically conductive surfaces. 3,277,267, 10–4–66, Cl. 219—76.
Blatt, David H., to Walnut Industries Co. Bulkheading material. 3,256,837, 6–21–66, Cl. 105—376.
Blatt, David H., to Walnut Industries Co. Tape reinforced grain door panel. 3,291,195, 12–13–66, Cl. 160—368.
Blatt, Leland F. Differential area gas cylinder. 3,232,181, 2–1–66, Cl. 91—422.
Blatt, Leland F. Power clamp. 3,273,878, 9–20–66, Cl. 269—32.
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Blattner, Lester A., deceased (by E. Blattner, legal representative). Dual auger conveyor. 3,240,313, 3–15–66, Cl. 198—64.
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Blauth, Erich W., F. Meixner, and E. H. Meyer, to Max-Planck-Gesellschaft Zur Forderung der Wissenschaften e.V. and Institut fur Plasmaphysik G.m.b.H. Dynamic mass spectometer wherein ions are periodically oscillated until selectively accelerated to a detector. 3,258,592, 6–28–66, Cl. 250—41.9.
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Fillmore, William E., and Blaylock. 3,260,423.
Blayney, James L., and R. Gilman, to California Institute Research Foundation. Velocity modulated recording light intensifier. 3,293,656, 12–20–66, Cl. 346—109.
Blazejak, Manfred, and K. Nützel, to Farbenfabriken Bayer Aktiengesellschaft. Recovery and stabilization of low-pressure polyolefins. 3,240,771, 3–15–66, Cl. 260—88.2.
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Blazek, Ronald R. and J. J., to T. V. Moss, d.b.a. South Eastern Cordage. Mop making machine and method. 3,279,859, 10–18–66, Cl. 300—16.
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Grudoski, Daniel P. 3,271,029.
Grudoski, Daniel P. 3,273,887.
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Bleasdale, William J. Reinforced pressure surge cushioning means for a hydraulic system. 3,276,478, 10–4–66, Cl. 138—30.

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Bleibtreu, Alexander, to Maschinenfabrik Reinhausen Gebruder Scheubeck K.G. Transfer switch for tap changers for regulating transformers including a cylindrical insulating housing, a squirrel-cage contact-supporting structure and contact bridges insulatingly supported by contact bridge carriers. 3,238,320, 3–1–66, Cl. 200—11.

Bleibtreu, Alexander, to Maschinenfabrik Reinhausen Gebrüder Scheubeck K.G. Transfer switch for tapped regulating transformers with radial guide and linkage structure. 3,250,865, 5–10–66, Cl. 200—11.

Bleibtreu, Alexander, to Maschinenfabrik Reinhausen Gebruder Scheubeck K. G. Transfer switch with movable contact toggle mechanism for tapped regulating transformers. 3,258,546, 6–28–66, Cl. 200—6.

Bleibtreu, Alexander, and E. Baumgartner, to Maschinenfabrik Reinhausen Gebruder Scheubeck K.G. Contact bridges for radial contacts with fulcrum and resilient spring structure. 3,238,318, 3–1–66, Cl. 200—10.

Bleibtreu, Alexander, and E. Baumgartner, to Maschinenfabrik Reinhausen Gebruder Scheubeck K.G. Regulating transformers having a large number of taps. 3,250,864, 5–10–66, Cl. 200—11.

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Bleiman, Lewis W., to Radio Corp. of America. Means for returning a record card to its stack. 3,266,798, 8–16–66, Cl. 271—64.

Bleiweiss, Arthur F., G. Colombo, and J. B. Dickson, to Signal-Stat Corp. Load insensitive series thermomotive flasher. 3,246,181, 4–12–66, Cl. 307—132.

Bleiweiss, Arthur F., G. Colombo, and J. B. Dickson, to Lehigh Valley Industries, Inc. Automotive vehicle turn signalling system with variable current drain and constant flashing rate. 3,284,770, 11–8–66, Cl. 340—81.

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Blenkarn, Kenneth A., to Pan American Petroleum Corp. Marine structure. 3,271,963, 9–13–66, Cl. 61—46.

Blenkarn, Kenneth A., to Pan American Petroleum Corp. Method for lining pipe under pressure. 3,287,801, 11–29–66, Cl. 29—460.

Blenman, William G., to General Motors Corp. Paint spraying apparatus. 3,286,688, 11–22–66, Cl. 118—323.

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Bloudoff, Peter S., to Armco Steel Corp. Oil well pump. 3,267,872, 8–23–66, Cl. 103—179.
Bloudoff, Peter S., to Armco Steel Corp. Circulating and bleed valve structure for downwell pumps. 3,282,291, 11–1–66, Cl. 137—608.
Bloudoff, Peter S., and A. R. Reinarz, to Armco Steel Corp. Reciprocating pumps. 3,276,390, 10–4–66, Cl. 103—153.
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Blough, Henry K. Bowler's wrist brace. 3,269,728, 8–30–66, Cl. 273—54.
Blount, Glen R., and L. J. C. George. Automatic grade light. 3,279,070, 10–18–66, Cl. 33—46.

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Blout, Elkan R., M. Green, H. G. Rogers, M. S. Simon, and R. B. Woodward, to Polaroid Corp. 2-aminoarylalkylenedihydroxybenzenes. 3,236,893. 2–22–66, Cl. 260—571.
Blout, Elkan R., S. G. Cohen, and M. S. Simon, to Polaroid Corp. 1,5-bis(dihydroxyphenyl)-3-pentylamine and salts thereof. 3,240,810, 3–15–66, Cl. 260—570.8.
Blout, Elkan R., M. Green, H. G. Rogers, and R. B. Woodward, to Polaroid Corp. p-Dihydroxyphenyl sulfamyl azo and anthraquinone dyestuffs. 3,252,969, 5–24–66, Cl. 260—195.
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Manzella, Anthony S., Hyre, and Blue. 3,245,923.
Blue, Edward B., and R. A. Nonweiler; said Nonweiler, assor. to E. B. Blue. Apparatus for casting hollow bodies. 3,233,287, 2–8–66, Cl. 1826.
Blue, Edward B., and R. A. Nonweiler; said Nonweiler assor. to said Blue. Rotational method for casting hollow bodies including spraying of a liquid heat transfer medium. 3,234,315, 2–8–66, Cl. 264—310.
Blue, Emanuel M., to Chevron Research Co. Naphtha hydrofining to remove nitrogen. 3,291,723, 12–13–66, Cl. 208—254.
Blue, Frank L., III, to Bethlehem Steel Corp. Rod or wire coiling apparatus. 3,228,625, 1–11–66, Cl. 242—82.
Blue, Joseph E., to United States of America, Navy. Time interval to pulse height converter. 3,230,400, 1–18–66, Cl. 307—88.5.
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Blum, Pierre, and P. Guinet, to Commissariat a l'Energie Atomique. Actinide oxide-actinide nitride eutectic compositions and their method of manufacture. 3,230,177, 1–18–66, Cl. 252—301.1.
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Blume, Hermann, J. Munzing, and E. Pindur, to Veb Leuna-Werke "Walter Ulbricht." Palladium-silver-iron oxide on alpha-alumina catalyst composition for the selective hydrogenation of acetylene. 3,243,387, 3–29–66, Cl. 252—466.
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Blundell, Anthony, L. H. Brooks, J. C. Clarke, G. M. Gillies, and C. J. Saum, to United Kingdom Atomic Energy Authority. Manufacture of uranium dioxide. 3,235,327, 2–15–66, Cl. 23—14.5.

Blundell, Billy J. Coaster. 3,257,092, 6–21–66, Cl. 248—346.1.

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Blust, Henry L., to Radio Corp. of America. Apparatus for manufacturing reed switches. 3,268,317, 8–23–66, Cl. 65—138.

Bly, James H., and H. A. Enge, to High Voltage Engineering Corp. Charged particle deflecting device consisting of sequentially positioned uniform and non-uniform magnetic field sectors. 3,287,558, 11–22–66, Cl. 250—49.5.

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Boadle, Campbell D., and D. W. L. Clamp, to Joseph Lucas (Industries), Ltd. Apparatus for dispensing predetermined weights of a plurality of different liquid or granular materials. 3,263,761, 8–2–66, Cl. 177—70.

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Bobeck, Andrew H., to Bell Telephone Laboratories, Inc. Magnetic memory circuit. 3,264,620, 8–2–66, Cl. 340—174.

Bobeck, Andrew H., to Bell Telephone Laboratories, Inc. Magnetic information storage unit utilizing conductive ring coupling. 3,275,997, 9–27–66, Cl. 340—174.

Bobeck, Andrew H., to Bell Telephone Laboratories, Inc. Magnetic memory circuits. 3,278,910, 10–11–66, Cl. 340—174.

Bobeck, Andrew H., to Bell Telephone Laboratories, Inc. Magnetic memory matrix assembly. 3,293,623, 12–20–66, Cl. 340—174.

Bobeck, Andrew H., and J. L. Smith, to Bell Telephone Laboratories, Inc. Magnetic memory circuits. 3,274,571, 9–20–66, Cl. 340—174.

Bobeck, Andrew H., and J. L. Smith, to Bell Telephone Laboratories, Inc. Nondestructive read magnetic film memory. 3,290,662, 12–6–66, Cl. 340—174.

Bobeck, Andrew H., and J. L. Smith, to Bell Telephone Laboratories, Inc. Memory circuits including a magnetic overlay. 3,295,113, 12–27–66, Cl. 340—174.

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Bobo, Melvin, R. J. Smuland, and J. R. Martin, to General Electric Co. Stator assembly. 3,262,677, 7–26–66, Cl. 253—78.

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Bobrick, Mitchell. Adapter wall construction. 3,267,332, 8–16–66, Cl. 317—99.

Bobrowski, Louis G., to The Stanley Works. Carpet assembly. 3,245,104, 4–12–66, Cl. 16—7.

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Bobrowsky, Alfred R., to Engelhard Industries, Inc. Compacting of particulate materials. 3,230,286, 1–18–66, Cl. 264—120.

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Bock, Marvin J., to Raytheon Co. Signal mixers. 3,271,686, 9–6–66, Cl. 325—445.

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Bock, Robert V.: *See*—
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Bocker, Ernst, R. Heiss, and W. Behrenz, to Farbenfabriken Bayer Aktiengesellschaft. Method for combating insects with 2-sec - butoxy-phenyl-N-methylcarbamate. 3,238,091, 3–1–66, Cl. 167—30.

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Boggs, Le Roy R., to Universal Moulded Fiber Glass Corp. Equipment for making articles composed of fiber reinforced resin materials. 3,256,559, 6–21–66, Cl. 18—4.

Boggs, LeRoy R., to Universal Moulded Fiber Glass Corp. Multiple speed transmission. 3,273,414, 9–20–66, Cl. 74—353.

Boggs, Le Roy R., to Universal Moulding Fiber Glass Corp. Core for making tubular resin articles. 3,277,531, 10–11–66, Cl. 18—14.

Boggs, Le Roy R., to Universal Moulded Fiber Glass Corp. Method and apparatus for making continuous lengths of threaded fiber reinforced resin articles. 3,283,050, 11–1–66, Cl. 264—137.

Boggs, LeRoy R., to Universal Moulded Fiber Glass Corp. Equipment for making plastic articles. 3,284,852, 11–15–66, Cl. 18—14.

Boggs, Le Roy R., to Universal Moulded Fiber Glass Corp. Production of fiber reinforced resin articles. 3,291,878, 12–13–66, Cl. 264—137.

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Bogh, Keith R. and B. R. Portable hydraulic lifting device. 3,232,464, 2–1–66, Cl. 214—512.

Boghosian, Harry, to Morgan Construction Co. Roll neck bearing seal. 3,259,442, 7–5–66, Cl. 308—187.1.

Bogle, H. A.: *See*—
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Bogle, Tommy G., to American Machine & Foundry Co. Ultrasonic testing apparatus. 3,285,059, 11–15–66, Cl. 73—67.9.

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Bogner, Joseph F.: *See*—
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Bogner, Philip W.: *See*—
Carothers, Charles H., and Bogner. 3,258,635.
Carothers, Charles H., and Bogner. 3,291,937.

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Bogs, Charles W., and R. F. Gregory, to Esso Production Research Co. Seismic data presentation. 3,241,150, 3–15–66, Cl. 346—33.

Bogs, Charles W., and R. F. Gregory, to Esso Production Research Co. Seismic amplitude presentation. 3,243,821, 3–29–66, Cl. 349—109.

Bogs, Charles W., and R. R. Tharp, to Esso Production Research Co. Apparatus and method for normalizing or equalizing seismogram traces. 3,275,982, 9–27–66, Cl. 340—15.5.

Bogsten, Anders R., to Scania-Vabis, Aktiebolaget. Cutter. 3,242,553, 3–29–66, Cl. 29—105.

Bogue, Leonard E. Mail box signal device. 3,275,227, 9–27–66, Cl. 232—34.

Boguslawski, Rudolf, to Bayerische Motoren Werke. Synchronization installation for change-speed transmissions. 3,239,044, 3–8–66, Cl. 192—53.

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Bohannon, William D., Jr., to Western Electric Co., Inc. Methods of and apparatus for laminating elongated members. 3,239,396, 3–8–66, Cl. 156—52.

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Bohl, Lester E., to Pittsburgh Plate Glass Co. Fluid bed oxychlorination of aliphatic hydrocarbons and partially chlorinated aliphatic hydrocarbons. 3,267,162, 8–16–66, Cl. 260—654.

Bohl, Lester E., and R. M. Vancamp, to Pittsburgh Plate Glass Co. Heat transfer in oxychlorination reactions. 3,256,352, 6–14–66, Cl. 260—654.

Bohlander, Karl M., E. S. Funston, and J. A. McGurty, to United States of America, Atomic Energy Commission. Method of cladding yttrium hydride and yttrium base alloy hydrides. 3,277,565, 10–11–66, Cl. 29—470.

Bohlayer, Edwin F. Accessible fastening means. 3,289,263, 12–6–66, Cl. 24—203.

Bohlen, Charles I., and E. Hindin, to Strick Corp. Trailer axle misalignment and wheel runout indicator and method. 3,279,084, 10–18–66, Cl. 33—203.

Bohler, Gebr., & Co. Aktiengesellschaft: *See*—
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Bohlmann, Edward G., and E. L. Compere, to United States of America, Atomic Energy Commission. Method of removing hydrogen from liquid alkali metals. 3,243,280, 3–29–66, Cl. 75—66.

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Bohn, James N., Jr. Steam generator. 3,252,456, 5–24–66, Cl. 126—271.

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Bohn, Richard E., and R. C. Sirrine, to Sylvania Electric Products Inc. Transistor logic circuits. 3,229,119, 1–11–66, Cl. 307—88.5.

Bohneblust, Clarence E., to American Telephone and Telegraph Co. Apparatus to visually identify cable pairs in a multipair cable by cable pair encoding means. 3,287,509, 11–22–66, Cl. 179—175.3.

Bohnenblust, Clarence E., to American Telephone and Telegraph Co. Apparatus to visually identify conductor pairs in a multiple cable. 3,288,943, 11–29–66, Cl. 179—175.3.

Bohnert, Arthur F., and W. A. Vanick, to Enterprise Paint Mfg. Co. Coated paper containers, method of coating and compositions therefor. 3,260,690, 7–12–66, Cl. 260—29.7.

Bohnet, Emil. Hand tool with axially movable clutch means. 3,272,246, 9–13–66, Cl. 145—76.

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Bohr, Nicholas J. Method for tensioning sieves. 3,286,338, 11–22–66, Cl. 29—446.

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Bohrer, Byron B., A. J. McNerney, and J. F. Paulson, to Sun Oil Co. Decolorizing and recovering naphthalene 2,6-dicarboxylic acid. 3,253,024, 5–24–66, Cl. 260—525.

Bohrer, James C., to Colgate-Palmolive Co. Detergent bar. 3,291,744, 12–13–66, Cl. 252—161.

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Boicey, James H., to Libbey-Owens-Ford Glass Co. Pressing glass-plastic sandwiches. 3,249,479, 5–3–66, Cl. 156—83.

Boicey, James H., to Libbey-Owens-Ford Glass Co. Window mounting. 3,282,013, 11–1–66, Cl. 52—624.

Boij, Karl O. A., and B. K. A. Johansson, deceased (A. Almquist, administrator); assor. to said Boij. Apparatus for burning spirit or similar liquid fuel. 3,229,679, 1–18–66, Cl. 126—38.

Boij, Karl O. A., and B. K. A. Johansson, deceased (A. E. A. Almqvist, administrator). Apparatus for burning spirit and similar liquid fuels. 3,290,907, 12–13–66, Cl. 67—80.

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Boisselle, Armand P., to The Lubrizol Corp. Lubricants containing allenic phosphinyl compounds. 3,271,313, 9–6–66, Cl. 252—49.8.

Boissevain, Mathew G., and J.-P. Schneebelt. Liquid piston internal combustion engine. 3,240,017, 3–15–66, Cl. 60—39.61.

Boissonnas, Roger. Nonapeptides and method of manufacture. 3,256,267, 6–14–66, Cl. 260—112.5.

Boissonnas, Roger, and S. Guttmann, to Sandoz A.G. Polypeptides. 3,232,923, 2–1–66, Cl. 260—112.5.

Boissonnas, Roger, and P.-A. Jaquenoud, to Sandoz Ltd., (also known as Sandoz A.G.). Novel polypeptides and intermediates for the preparation thereof. 3,238,188, 3–1–66, Cl. 260—112.5.

Boitel, Arwed C., to Alton Box Board Co. Package for books. 3,289,824, 12–6–66, Cl. 206—46.

Boivie, Jean I. R., to Electrolux, Aktiebolaget. Cooling arrangement for motor-fan unit. 3,274,410, 9–20–66, Cl. 310—62.

Boivie, Jean I. R., to Electrolux Aktiebolaget. Axial flow fan. 3,289,920, 12–6–66, Cl. 230—117.

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Bokhari, Mohammed S., V. V. Verbinski, T. A. Love, and R. E. Zedler, to United States of America, Atomic Energy Commission. Fast neutron spectrometer utilizing lithium containing films. 3,290,500, 12–6–66, Cl. 250—83.1.

Boksjo, Carl I., to Allmanna Svenska Elektriska Aktiebolaget. Mercury arc rectifier connection with parallel discharge paths. 3,238,417, 3–1–66, Cl. 315—323.

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Bolanowski, John P., and G. W. Reigel, to Chemetron Corp. Continuous flow mixing apparatus of the internal recirculating type. 3,251,577, 5–17–66, Cl. 259—7.

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Bole, Claude E., and G. Gilbert, to United States Steel Corp. Method of purifying naphthalene. 3,230,271, 1–18–66, Cl. 260—674.

Bolelli, Edmond, and L. R. Mach, to Interessentskatet Thermodyn. Method of preparing a coated molding from wood particles. 3,256,375, 6–14–66, Cl. 264—112.

Bolen, Frank J. Tractor hitches of the self-restoring type. 3,245,489, 4–12–66, Cl. 180—14.5.

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Boles, La Clare B., S. Dinerstein, and E. J. Niznik, to Amphenol Corp. Automatic regulator for timepiece. 3,228,182, 1–11–66, Cl. 58—85.5.

Bolesky, Richard Co., to United States Rubber Co. Method of making rigid laminate of thermoplastic sheets having increased load-bearing ability. 3,281,301, 10–25–66, Cl. 156—221.

Bolger, Henry. Tissue holder. 3,278,129, 10–11–66, Cl. 242—55.53.

Bolger, James W., to Rexall Drug and Chemical Co. Substituted bicycloheptane-2,3-dicarboximides. 3,234,233, 2–8–66, Cl. 260—326.

Bolger, James W., to Rexall Drug and Chemical Co. Substituted 2,3-dihydro-4(1H)-quinazolinones. 3,257,397, 6–21–66, Cl. 260—247.2.

Bolger, James W., to Rexall Drug and Chemical Co. 3-cyanoalkyl substituted 4-(3h)-quinazolinones. 3,268,529, 8–23–66, Cl. 260—251.

Bolger, James W., to Rexall Drug and Chemical Co. Substituted endo-perhydro-4,7-methanoisoindoles and intermediates therein. 3,268,554, 8–23–66, Cl. 260—326.1.

Bolger, James W., to Rexall Drug and Chemical Co. Certain morpholino-substituted 4-keto-1,2,3,4-tetrahydroquinolines. 3,287,450, 11–22–66, Cl. 260—247.5.

Bolger, John C., to Allied Chemical Corp. Transfer tail winding. 3,275,252, 9–27–66, Cl. 242—18.

Bolger, John G., Jr., to Bank of California NT & SA. Apparatus for consecutively printing and projecting data. 3,236,149, 2–22–66, Cl. 88—24.

Bolger, John G., Jr. Pressure-responsive device. 3,249,022, 5–3–66, Cl. 92—100.

Bolgiano, Nicholas C., to Armstrong Cork Co. Tetrapolymers containing hydroxyl and carboxy groups and inks made therefrom. 3,262,919, 7–26–66, Cl. 260—80.5.

Bolgiano, Nicholas C., to Armstrong Cork Co. Polycarbonates from diphenolic acids. 3,291,774, 12–13–66, Cl. 260—47.

Bolhofer, William A., and J. M. Sprague, to Merck & Co., Inc. (α-alkylideneacyl) naphthyloxy monocarboxylic acids. 3,255,242, 6–7–66, Cl. 260—520.

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Bolie, Victor W., to Iowa State University of Science and Technology. Automatic heart massage device. 3,233,607, 2–8–66, Cl. 128—64.

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Bolldén, Sven E., and J. E. Vifot. Drivers' seats for tractors. 3,288,523, 11–29–66, Cl. 296—65.

Bollenback, George N., H. M. Molotsky, and H. H. Sharton, to Corn Products Co. Process of increasing the tinctorial power of caramel color and caramel color produced thereby. 3,249,444, 5–3–66, Cl. 99—148.

Bolles, Charles P., General Motors Corp. Fluid level indicators. 3,274,691, 9–27–66, Cl. 33—126.7.

Bolles, Seaman P. Selective fire control mechanism. 3,240,122, 3–15–66, Cl. 89—140.

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Bollinger, Carl G. Combination key slot and retainer for blind bolt connections. 3,279,518, 10–18–66, Cl. 151—41.7.

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Bolt, Robert O., and W. W. Hanneman, to United States of America, Atomic Energy Commission. Irradiation method including the production of phenyl and phenolic compounds. 3,238,113, 3–1–66, Cl. 204—154.

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Bolt, William N. Handling of goods during processing or treatment. 3,286,362, 11-22-66, Cl. 34—33.

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Bolton, Douglas H. H., and M. C. Potts, to Dowty Mining Equipment Ltd. Roof support assemblies. 3,248,885, 5-3-66, Cl. 61—45.

Bolton, Douglas H. H., F. Pawling, and M. C. Potts, to Dowty Mining Equipment Ltd. Roof support assembly suitable for use in mines. 3,264,945, 8-9-66, Cl. 91—170.

Bolton, Douglas H. H., F. Pawling, and M. C. Potts, to Dowty Mining Equipment Ltd. Roof support assemblies suitable for use in mines. 3,272,084, 9-13-66, Cl. 91—414.

Bolton, Edmund A.: *See*—
Weller, Barton L., and Bolton. 3,260,907.

Bolton-Emerson, Inc.: *See*—
Clendaniel, William R., and Danforth. 3,241,775.
Russell, Frank H. 3,228,611.
Russell, Frank H. 3,278,127.
Smith, Harold R., and Thyng. 3,244,049.

Bolton, James F. Surface aeration of liquids. 3,235,233, 2-15-66, Cl. 259—134.

Bolton, James F., to Ames Crosta Mills & Co. Ltd. Surface aeration of liquids. 3,284,058, 11-8-66, Cl. 259—102.

Bolton, Michael J., and T. G. Nichols, to General Electric Co. Thermal upgrading of electrical apparatus. 3,229,023, 1-11-66, Cl. 174—14.

Bolton, Norman A., to The General Signal Corp. Apparatus for directing vehicular traffic flow. 3,248,690, 4-26-66, Cl. 340—31.

Bolton, Norman A., to General Signal Corp. Traffic signal controller. 3,251,031, 5-10-66, Cl. 340—41.

Bolton, Norman A., to General Signal Corp. Supervisory traffic control system. 3,252,132, 5-17-66, Cl. 340—31.

Bolton, Norman A., to The General Signal Corp. Traffic signal controller. 3,274,547, 9-20-66, Cl. 340—37.

Bolton, Norman A., to General Signal Corp. Traffic signal controller. 3,286,230, 11-15-66, Cl. 340—36.

Bolton, Norman A. and J. H. Auer, Jr., to General Signal Corp. Traffic signal controller. 3,251,030, 5-10-66, Cl. 340—41.

Bolton, Robert L. Tracheotomy tube with one-way valve. 3,263,684, 8-2-66, Cl. 128—351.

Boltz, Chad C.: *See*—
McCullough, Theron E., and Boltz. 3,291,975.

Boman, William H.: *See*—
Fodrea, James W., Boman, and Vigmostad. 3,234,812.

Boman, William H., and C. E. Churchill, to General Motors Corp. Transmission control linkage. 3,264,892, 8-9-66, Cl. 74—473.

Bomar, Horace L.: *See*—
Bliven, Roger, Allen, and Davis. 3,243,140.

Bomax, Inc.: *See*—
Marzolf, Robert G., and Lautner. 3,259,864.

Bombardier, Germain: *See*—
Bombardier, Joseph A. 3,236,568.

Bombardier, Joseph A., deceased; G. and Y. L. Bombardier and Sherbrooke Trust Co., executors. Snow-expelling system for endless track vehicle. 3,236,568, 2-22-66, Cl. 305—12.

Bombardier, Yvonne L.: *See*—
Bombardier, Joseph A. 3,236,568.

Bombardieri, Caurino C., and T. H. Martin, to Esso Production Research Co. Acid treating process. 3,251,415, 5-17-66, Cl. 166—42.

Bomberger, Howard B.: *See*—
Vordahl, Milton B., and Bomberger. 3,257,211.

Bombero, Thomas F.: *See*—
Kohl, Peter C., and Bombero. 3,284,464.

Bombrini Parodi-Delfino Societa per Azioni: *See*—
De Benedetti, Neri. 3,293,980.

Bomhardt, Henry C., and W. W. Ewell. Arched roof structure. 3,241,275, 3-22-66, Cl. 52—86.

Bomhardt, Klaus, R. Hartrumpf, J. Neuhauser, and P. Lackner, to Telefunken Patentverwertungsgesellschaft m.b.H. Tank circuit with band selection switch and capacitive tuning means. 3,289,123, 11-29-66, Cl. 334—19.

Bon, Antoine: *See*—
Thuries, Edmond, and Bon. 3,278,711.

Bonacci, John C., and L. E. Wolinski, to E. I. du Pont de Nemours and Co. Laminas structures of polyvinyl fluoride and method of manufacture. 3,284,277, 11-8-66, Cl. 161—188.

Bonadio, George A. Antenna system. 3,274,606, 9-20-66, Cl. 343—854.

Bonagura, Anthony G.: *See*—
Robbins, Frederick M., Bonagura, and Yare. 3,261,822.

Bonami, Ernest A., to Swift & Co. Method and apparatus for feeding blanks to package sliced product. 3,269,082, 8-30-66, Cl. 53—35.

Bonang, Raymond P. Maternity girdle. 3,273,563, 9-20-66, Cl. 128—579.

Bonanno, Joseph L., and D. L. Crossman, to The Lionel Toy Corp. Toy for unloading toy articles. 3,231,108, 1-25-66, Cl. 214—44.

Bonardi, Giusto F.: *See*—
Hansen, Siegfried, and Bonardi. 3,243,348.

Bonazoli, Robert P.: *See*—
Scoledge, Robert F., and Bonazoli. 3,274,426.

Bonazoli, Robert P., R. F. Scoledge, and J. J. Palermo, to Sylvania Electric Products Inc. Incandescent lamp containing iodine, oxygen and inert gas. 3,242,372, 3-22-66, Cl. 313—222.

Bond, Allen E. Method of producing a germinated wheat food. 3,240,606, 3-15-66, Cl. 99—80.

Bond, Beverly B., to Ronson Corp. Automatic tooth brush. 3,278,963, 10-18-66, Cl. 15—22.

Bond, Frank D.: *See*—
Hulbert, John K., and Bond. 3,293,851.

Bond, Frank D., Jr., L. C. Matsch, and J. A. Proctor, to Union Carbide Corp. Hose for low-temperature liquids. 3,240,-234, 3-15-66, Cl. 138—129.

Bond, George W., Jr., G. H. Farbman, L. Chinaglia, and F. S. Bloxam, to Westinghouse Electric Corp. Pressure suppressing arrangement for nuclear reactor plant. 3,253,996, 5-31-66, Cl. 176—37.

Bond, Herbert M., and C. K. Heasley, to Minnesota Mining and Mfg. Co. One-part electrical-insulating resin composition comprising an epoxy resin. 3,257,345, 6-21-66, Cl. 260—22.

Bond, Herbert M., and J. Tomita, to Minnesota Mining and Mfg. Co. Siloxane foam. 3,271,332, 9-6-66, Cl. 260—2.5.

Bond, James H.: *See*—
Harrington, Robert C., Jr., Smith, and Bond. 3,229,008.
Harrington, Robert C., Jr., Smith, and Bond. 3,272,687.

Bond, Jean B.: *See*—
Lawson, Julian K., Jr., and Bond. 3,253,880.

Bond, Joseph M., to Polarpane Corp. Multiple glazed unit. 3,261,139, 7-19-66, Cl. 52—616.

Bond, Milton F., to International Business Machines Corp. Current driver circuit. 3,239,681, 3-8-66, Cl. 307—88.

Bond, Robert D., to B. C. Ames Co. Fluid-entry-resistant gauges and method. 3,226,836, 1-4-66, Cl. 33—172.

Bond, Robert M., and B. S. Wilson. Collapsible sawhorse and table top therefor. 3,241,633, 3-22-66, Cl. 182—28.

Bond, Robert W., H. G. Markey, J. H. Ladd, R. L. Roberts, Jr., and G. R. Keller (by North American Aviation Inc.). Autopilot. Re. 26,064, 7-19-66, Cl. 244—77.

Bond, Walter L., to Bell Telephone Laboratories, Inc. Method of forming metal carbide coating on carbon base. 3,265,528, 8-9-66, Cl. 117—95.

Bond, William B., to E. I. du Pont de Nemours and Co. Stabilized polyamide containing (A) a copper compound and (B) a nitrogen containing antioxidant. 3,275,594, 9-27-66, Cl. 260—45.75.

Bondi, Enrico: *See*—
Dakli, Ibrahim, Sabbioni, and Bondi. 3,280,068.

Bondley, Ralph J., to General Electric Co. Manufacture of helium separation apparatus. 3,269,817, 8-30-66, Cl. 65—4.

Bondon, Lewis A. Coaxial cable and inner conductor support member. 3,227,800, 1-4-66, Cl. 174—29.

Bondroit, Fritz: *See*—
Baumler, Hermann, and Bondroit. 3,269,373.

Bonduris, Angelo T., to Colgate-Palmolive Co. Pressurized dispensing container. 3,235,137, 2-15-66, Cl. 222—263.

Bone, Arnold R., to Dennison Mfg. Co. Pliers device. 3,238,-906, 3-8-66, Cl. 112—169.

Bonefant, Leo J., and G. T. Thurston, to General Electric Co. Electrical capacitor and method of making the same. 3,274,663, 9-27-66, Cl. 29—25.42.

Bonem, Carl J., to The White Motor Corp. Gear checking apparatus. 3,269,021, 8-30-66, Cl. 33—179.5.

Boner, Charles P. Method and apparatus for controlling feedback. 3,256,391, 6-14-66, Cl. 179—1.

Bonetti, Giovanni A., J. J. Gavigan, H. O. Hansen, and R. Rosenthal, to The Atlantic Refining Co. Preparation of nitroolefins. 3,240,823, 3-15-66, Cl. 260—644.

Bonetti, Giulio, to Istag A.G. Suhr/AG. Liquid level indicator. 3,277,712, 10-11-66, Cl. 73—330.

Bonevik, Stig E. G.: *See*—
Backman, Birger J. 3,227,227.

Bonewitz Chemicals Inc.: *See*—
Wight, Robert K. 3,227,168.

Bonfeld, Murray D., to Bell Telephone Laboratories, Inc. Superconducting device. 3,278,808, 10-11-66, Cl. 317—123.

Bonfield, John H., to Allied Chemical Corp. Nitration of cyclohexane. 3,255,262, 6-7-66, Cl. 260—644.

Bonfield, John H., and F. L. Bohn, to Allied Chemical Corp. Production of sulfur dioxide. 3,282,646, 11-1-66, Cl. 23—177.

Bonfield, John H., and R. H. Belden, to Allied Chemical Corp. Recovery of acyclic dicarboxylic acids from mixtures of the same. 3,290,369, 12-6-66, Cl. 260—537.

Bonfield, William, and J. A. Sartell, to Honeywell Inc. Beryllium alloy and process. 3,264,147, 8-2-66, Cl. 148—126.

Bong, Friedrich. Spring-balanced adjustable blackboard. 3,269,035, 8-30-66, Cl. 35—63.

Bonga, Jan, to Ter Borg & Mensingas Maschinenfabrik N. V. Cord holder for a knotter for a baling press. 3,232,652, 2-1-66, Cl. 289—14.

Bonham, Melvin D., and W. O. Holt. Meat cleaning attachment. 3,231,915, 2-1-66, Cl. 15—3.1.

Bonheim, Hans: *See*—
Gruettner, Gerard G., and Bonheim. 3,255,653.

Bonhoff, Willi, to Beteiligungs- und Patent verwaltungsgesellschaft mit Beschrankter Haftung. Flexible drive connection for spindle heads. 3,258,936. 7-5-66, Cl. 64—7.

Bonhomme, Francois R., to Curtiss-Wright Corp. Method of making connector socket. 3,229,356, 1-18-66, Cl. 29—155.55.

Bonhomme, Francois R. Electrical connectors. 3,281,757, 10-25-66, Cl. 339—91.

Boniface, Caroline B. Palette and paint kit. 3,280,966, 10-25-66, Cl. 206—1.7.

Bonikowski, Zbigniew, to British Insulated Callender's Cables Ltd. Apparatus for controlling the tension in a flexible material as it is being wound onto or unwound from a drum. 3,233,397, 2-8-66, Cl. 57—13.

Bonilla, Charles F., K. P. Brown, Jr., and S. H. Brown, to National Lead Co. Shipping container for spent nuclear reactor fuel elements. 3,229,096, 1-11-66, Cl. 250—108.

Bonin, George E., to Corning Glass Works. Edge grinding. 3,266,195, 8-16-66, Cl. 51—97.

Bonin, George E., to Corning Glass Works. Grinding and polishing method and apparatus. 3,290,828, 12-13-66, Cl. 51—73.

Bonis, Laszlo J., O.-A. Sandven, and B. W. Manning, to Ilikon Corp. Apparatus and method of heating powdered metals. 3,248,215, 4-26-66, Cl. 75—226.

Bonitz, Eckhard, and M. Daeuble, to Badische Anilin- & Soda-Fakrik Aktiengesellschaft. Dyeing polyolefiin materials. 3,275,400, 9-27-66, Cl. 8—4.

Bonjour, Maurice: *See*—
Raeber, Victor, and Bonjour. 3,292,659.

Bonk, Chaim, and S. Rafowitz. Cap. 3,246,340, 4-19-66, Cl. 2—201.

Bonn, Leonard. Hot metal temperature measuring device and temperature measuring method. 3,250,125, 5-10-66, Cl. 73—303.

Bonn, Theodore H.: *See*—
Eckert, John P., Jr., and Bonn. 3,254,229.

Bonnafe, Oliver W., to The Lapointe Machine Tool Co. Drive for broaching machines and the like. 3,247,735, 4-26-66, Cl. 74—325.

Bonnafe, Oliver W., to The Lapointe Machine Tool Co. Indexing mechanism for machine tools. 3,264,903, 8-9-66, Cl. 74—825.

Bonnafe, Oliver W., to Lapointe Machine Tool Co. Broach. 3,270,395, 9-6-66, Cl. 29—95.1.

Bonnell, Paul W. Econ-O-quick fruit and vegetable peeler. 3,249,138, 5-3-66, Cl. 146—43.

Bonnell, William L., Co., Inc., The: *See*—
Brunn, John, Craven, and Muir. 3,254,361.

Bonner, Bernice B.: *See*—
Sanders, Shelby W. 3,272,282.

Bonner, Francis J., to Mobil Oil Corp. Oil compositions containing emulsion-inhibiting acetylenic compounds. 3,280,-035, 10-18-66, Cl. 252—52.

Bonner, Francis J., and N. V. Messina, to Mobil Oil Co., Inc. Lubricating oil compositions. 3,282,842, 11-1-66, Cl. 252—51.5.

Bonner, George A., to Curtiss-Wright Corp. Through dowell construction for rotary mechanisms. 3,269,372, 8-30-66, Cl. 123—8.

Bonner, Harold W.: *See*—
Childress, Clyde O., and Bonner. 3,283,703.

Bonner, Leon T., Jr., to The Matrix Corp. Light and power supply. 3,264,463. 8-2-66, Cl. 240—10.66.

Bonner, Lillian S.: *See*—
Sanders, Shelby W. 3,272,282.

Bonner, Raymond E.: *See*—
Baskin, Herbert B., and Bonner. 3,273,130.

Bonner, Raymond E., to International Business Machines Corp. Weighting and decision circuit for use in specimen recognition systems. 3,239,811, 3-8-66, Cl. 340—146.3.

Bonner, Raymond E., to International Business Machines Corp. Multi-level test channel for specimen identification. 3,267,432, 8-16-66, Cl. 340—146.3.

Bonner, Raymond E., to International Business Machines Corp. Pattern recognition and prediction system. 3,267,-439, 8-16-66, Cl. 340—172.5.

Bonner, Raymond E., to International Business Machines Corp. Multi-level test system for specimen identification. 3,271,739, 9-6-66, Cl. 340—146.3.

Bonnet, Robert E.: *See*—
Highberg, Carle W., and Bonnet. 3,290,832.

Bonnet, Robert E., to Engelhard Industries, Inc. Diffusion purification apparatus. 3,245,206, 4-12-66, Cl. 55—158.

Bonnet, Yannik: *See*—
Lafont, Pierre, and Bonnet. 3,227,742.
Lafont, Pierre, and Bonnet. 3,240,812.

Bonnette, Richard A., and T. E. Deegan, to Radio Corp. of America. Plural electrode unit electron tube. 3,268,760, 8-23-66, Cl. 313—296.

Bonnette, Roland E., to United Shoe Machinery Corp. Conveyor systems. 3,266,439, 8-16-66, Cl. 104—172.

Bono, Gertrude Q.: *See*—
Bono, Joseph J. 3,233,644.

Bono, Joseph J., to Gertrude Q. Bono. Hamper. 3,233,644 2-8-66, Cl. 150—51.

Bono, Luigi, to Necchi Societa per Azioni. Automatic clutch and brake controlling means in combination with a pattern sewing machie. 3,227,115, 1-4-66, Cl. 112—2.

Bono, Luigi, to Necchi Societa per Azioni. Lubricating device for sewing machines. 3,254,740, 6-7-66, Cl. 184—6.

Bonsack, James P.: *See*—
Frlihauf, Edward J., and Bonsack. 3,245,921.

Bonsall, George, to Bro-Dart Industries, Inc. Utilitarian furniture structure. 3,234,896, 2-15-66, Cl. 108—111.

Bonsall, Rodney T., Jr., to Pennsalt Chemicals Corp. Process for the purification of rolling mill oil. 3,265,212, 8-9-66, Cl. 210—73.

Bonsel, Wouter G.: *See*—
Went, Jan. J., and Bonsel. 3,282,843.

Bontempi, Ignatius, and I. De Francisci, to De Francisci Machine Corp. Continuous drier apparatus. 3,258,103, 6-28-66, Cl. 198—21.

Bonthuis, James E., W. B. Pipp, and D. L. Rector, to The Rapids-Standard Co., Inc. Timing conveyor. 3,250,375, 5-10-66, Cl. 198—34.

Bonuchi, James A.: *See*—
Crawford, Robert D., and Bonuchi. 3,263,270.

Bonuchi, James A., R. D. Crawford, J. E. Franta, H. E. Frederick, and R. S. Zebarth, to Gordon Johnson Co. Automatic shackle. 3,247,543. 4-26-66, Cl. 17—44.1.

Bonuchi, James A., J. L. Hathorn, and R. S. Zebarth, to Johnson, Gordon Co. Separation of poultry shanks from drumsticks. 3,281,890. 11-1-66, Cl. 17—45.

Bonuchi, James A., and R. A. Braeking, to Gordon Johnson Co. Method of defrosting food products. 3,293,049, 12-20-66, Cl. 99—192.

Bonvicini, Alberto: *See*—
Cappuccio, Vittorio, Bonvicini, and Caldo. 3,271,339.

Bonvicini, Alberto, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Polypropylene stabilized with maleic acid mono or diesters. 3,240,750, 3-15-66, Cl. 260—45.85.

Bonvicini, Alberto, to Montecatini Societa General per l'Industria Mineraria e Chimica. Textile fibers having improved dyeability and method of preparing same. 3,245,751. 4-12-66, Cl. 8—100.

Bonvicini, Alberto, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Process for regulating the molecular weight of basic nitrogen polycondensates. 3,267,-046, 8-16-66, Cl. 260—2.

Bonvicini, Alberto, and C. Caldo, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Polypropylene stabilized with substituted pyrimidins. 3,277,045. 10-4-66, Cl. 260—45.8.

Bonvicini, Alberto, and E. Ildos, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Metal salts of epichlorohydrin-piperazine-amine polycondensates. 3,280,-044, 10-18-66, Cl. 260—2.

Bonwit, Willard R., M. Segal, J. J. Hartlove, and W. E. Scherer, to The Lord Baltimore Press, Inc. Method and apparatus for winding stacks of sheets. 3,259,992, 7-12-66, Cl. 34—23.

Bonwit, Willard R., and J. J. Hartlove, to The Lord Baltimore Press Inc. Carton blanking die. 3,269,280, 8-30-66, Cl. 93—58.

Bonyhard, Peter I., to Intenational Computers and Tabulators Ltd. Thin film magnetic memory matrix. 3,275,998, 9-27-66, Cl. 340—174.

Bonzagni, Francis A., to Monsanto Co. Aqueous paper sizing composition containing styrene-maleic anhydride copolymer salt and polyvinyl alcohol. 3,243,398, 3-29-66, Cl. 260—29.6.

Bonzagni, Francis A., to Monsanto Co. Sized cellulosic paper. 3,251,709, 5-17-66, Cl. 117—76.

Bonzer, Gordon R. Building structure. 3,238,995, 3-8-66, Cl. 160—117.

Boodman, Norman S., P. X. Masciantonio, and G. W. Perkins, to United States Steel Corp. Method for the recovery of anthracene. 3,272,884, 9-13-66, Cl. 260—675.

Boodnikov, Serguey F.: *See*—
Robook, Nicolay N., Roodenko, Petrov, Boodnikov, and Babanov. 3,247,908.

Booe, James M., to P. R. Mallory & Co., Inc. Electrical capacitor having an oxide dielectric and a cooperating dielectric material. 3,260,904, 7-12-66, Cl. 317—258.

Booe, James M., and R. E. Ralston, to P. R. Mallory & Co., Inc. Rechargeable alkaline cell and liquid phase-containing amalgam anode therefor. 3,236,690, 2-22-66, Cl. 136—68.

Booe, James M., and J. T. Hood, to P. R. Mallory & Co., Inc. Electrical capacitor with a boron nitride dielectric. 3,278,-815, 10-11-66, Cl. 317—258.

Booher, Robert K., to North American Aviation, Inc. Multiplication apparatus. 3,237,000, 2-22-66, Cl. 235—167.

Booher, Robert K., to North American Aviation, Inc. Carry assimilating system. 3,249,747, 5-3-66, Cl. 235—175.

Book Covers, Inc.: *See*—
Mullen, Edward K., and Carter. 3,271,051.
Mullen, Edward K., and Carter. 3,273,913.

Book, Eric G., to Andrew Corp. Coaxial transfer switch. 3,271,702, 9–6–66, Cl. 333—7.

Book, Walter R., to Anaconda American Brass Co. Fuse clip. 3,287,690, 11–22–66, Cl. 339—258.

Booken Corp.: *See*—
Gordun, Jack H. 3,285,402.

Booker, Sheila M., B. Ellis, and V. Petrow, to The British Drug House Ltd. Cyclic acetals and ketals of the 6-methylpregnane series and process for preparing same. 3,272,797, 9–13–66, Cl. 260—239.55.

Bookout, Charles C., and P. E. Taylor, to Ford Motor Co. Control system for a hydrostatic transmission. 3,246,465, 4–19–66, Cl. 60—19.

Boolanov, Alexander A.: *See*—
Berkman, Iosif L., Boolanov, Rannev, Rebrov, Roostanovich, and Smirnov. 3,238,722.
Borisov, Sergey M., Reish, and Boolanov. 3,241,889.

Boolen, Richard F.: *See*—
Mills, Loring E., and Boolen. 3,288,979.

Boom & Wade Ltd.: *See*—
Broom, Horace S., and Gittins. 3,257,913.

Boomgaard, Peter F., to Gardner-Denver Co. Wire wrapping device. 3,248,062, 4–26–66, Cl. 242—7.

Boomgaard, Peter F., to Gardner-Denver Co. Wire strapping tool. 3,284,011, 11–8–66, Cl. 242—7.

Boone, Arthur M., to Pullman Inc. Folding pedestal for railway cars. 3,242,880, 3–29–66, Cl. 105—368.

Boone, Arthur M., and R. L. Albers, to Pullman Inc. Railway car uncoupling devices. 3,239,074, 3–8–66, Cl. 213—211.

Boone, Arthur M., and R. Mitzman, to Pullman Inc. Bridge plate cushioned locking device. 3,257,972, 6–28–66, Cl. 105—458.

Boone, Christopher B. Screwless terminal fuseholder. 3,287,528, 11–22–66, Cl. 200—129.

Boone, Edgar. Carton seal. 3,273,783, 9–20–66, Cl. 229—47.

Boone, Franklin E., and M. Berman, to Worthington Corp. Check and priming valve means for self-priming pumping system. 3,276,384, 10–4–66, Cl. 103—113.

Boone, Jerry C., to Allis-Chalmers Mfg. Co. Leveling system for hillside combines. 3,233,909, 2–8–66, Cl. 280—6.

Boone, Ralph D. Irrigation system. 3,268,174, 8–23–66, Cl. 239—212.

Boone, Salomon, and H. Voeten, to North American Philips Co. Inc. Method of producing a solid electrolytic capacitor having a semi-conductive electrolyte. 3,258,826, 7–5–66, Cl. 29—25.31.

Boone, Stephen E., to United States of America, Navy. Vibrapen scriber assembly. 3,274,609, 9–20–66, Cl. 346—62.

Boonton Molding Co., Inc.: *See*—
Grafton, Percy. 3,233,842.

Boor, John, Jr.: *See*—
Anderson, William S., and Boor. 3,291,782.

Boor, John, Jr., to Shell Oil Co. Polymerization of alpha-monoolefins in the presence of titanium trichloride, organometallic reducing agent comprising zinc dihydrocarbyl, and an organic amine. 3,240,773, 3–15–66, Cl. 260—93.7.

Boor, John, Jr., to Shell Oil Co. Polymerization catalyst and process. 3,282,906, 11–1–66, Cl. 260—93.7.

Boor, John, Jr., and F. M. Fowkes, to Shell Oil Co. Polymerisation process. 3,234,198, 2–8–66, Cl. 260—94.3.

Boor, John, Jr., and E. A. Youngman, to Shell Oil Co. Crystallization of poly-1-butene in the presence of stearic acid or biphenyl. 3,265,648, 8–9–66, Cl. 260—23.

Boor, Samuel B., and R. J. Wohlers, to Radiation, Inc. System for maintaining fixed phase between a pair of remotely located stations. 3,230,453, 1–18–66, Cl. 325—67.

Booras, Peter J. Breadmaking process and apparatus. 3,256,838, 6–21–6, Cl. 107—4.

Boorlakov, Alexandr I., A. N. Jubimov, A. I. Axenov, Y. N. Zoobakov, V. N. Goodkov, V. F. Zheleznova, V. F. Chekin, I. A. Ginevskaja, L. I. Kookooshkin, and B. N. Goolin, to Nauchno-Issledovatelsky Institute Experimentalnoi Khirurgicheskoi Apparatury i Instrumentov. Device for tissue suturing. 3,244,342, 4–5–66, Cl. 227—19.

Boorum & Pease Co.: *See*—
Ivory, Henry V., MacDonald, and Steele. 3,285,250.
Ivory, Henry V., and Vogl. 3,285,251.

Booshin, Alexandr N.: *See*—
Kotelnikov, Georgy R., Trokhachev, Booshin, Klimin, Jablonsky, Chikhachev, Monozon, Sobolev, Mkheidze, and Zigel. 3,289,732.

Boosman, Herman B. R., to North American Philips Co., Inc. Remote control system. 3,263,217, 7–26–66, Cl. 340—163.

Boot, Gerhardus W.: *See*—
Jan Van Leeuwen, Geert, Mijnders, and Boot. 3,271,166.

Boot, Reginald J.: *See*—
Murphy, Cornelius B., and Boot. 3,291,935.

Boot, Reginald J., and G. P. de Zuba, to General Electric Co. Silylaminisiloxanes and polyfunctional acids for encapsulating compositions. 3,291,772, 12–13–66, Cl. 260—37.

Booth, Alfred, to Stone-Wallwork Ltd. Variable-speed belt gearing. 3,293,929, 12–27–66, Cl. 74—230.17.

Booth, Benjamin, Co.: *See*—
Schwaim, Clair W. 3,242,749.

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Booth, Donald H., and G. N. Quinton, to Fisons Fertilizers Ltd. Fertilizer manufacture containing ammonium nitrate and monoammonium phosphate. 3,232,741, 2–1–66, Cl. 71—39.

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Booth, Franklin W. Dewpoint transmitter. 3,250,114, 5–10–66, Cl. 73—17.

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Booth, Galt B., and T. C. Warner, Jr., to Textron Electronics, Inc. Vibration testing apparatus. 3,241,358, 3–22–66, Cl. 73—71.6.

Booth, George M., to Wallace & Tiernan Inc. Arrangement for positioning a rotatable driving element relative to a driven gear. 3,241,386, 3–22–66, Cl. 74—396.

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Booth, James H. Barbecue apparatus. 3,266,478, 8–16–66, Cl. 126—25.

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Booth, William M., to Welded Products, Inc. Invalid elevator. 3,229,788, 1–18–66, Cl. 187—10.

Booth, William M. Remotely adjustable truck mirror. 3,277,678, 10–11–66, Cl. 74—98.

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Borchardt, Hans J., to E. I. du Pont de Nemours and Co. Luminescent compositions containing europium and the oxyanion-yielding ingredient aluminum, gallium or germanium. 3,282,856, 11–1–66, Cl. 252—301.4.

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Borkowski, Casimer J., A. M. R. Ferrari, and R. J. Fox, to United States of America, Atomic Energy Commission. Humidity insensitive proportional counter having a heating source connected to a wire anode. 3,288,999, 11–29–66, Cl. 250—83.6.

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Bornarth, Dennis M., and R. Berka, to Addressograph-Multigraph Corp. Electrophotographic recording members and processes of preparing same. 3,241,958, 3–22–66, Cl. 96—1.

Borne, Jean, and M. Audebert, to North American Philips Co., Inc. Reading and writing device for use in magnetic core storages. 3,278,909, 10–11–66, Cl. 340—174.

Borne, Jean P. G., to Laboratories d'Electronique et de Physique Appliquees L.E.P. Safety release for push button switch. 3,288,946, 11–29–66, Cl. 200—5.

Borneman, Harold J., to Fruehauf Corp. Load platform supported on air cushion. 3,276,530, 10–4–66, Cl. 180—7.

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Börner, Manfred, and U. Weber, to Telefunken Patentverwertungs-G.m.b.H. Electrostrictive torsional vibrator. 3,238,476, 3–1–66, Cl. 333—72.

Borner, Manfred, E. Durre, W. Hirsch, G. Semmler, and H. Schussler, to Telefunken Patentverwertungsgesellschaft m.b.H. Tubular electrostrictive resonator-type transducer. 3,287,579, 11–22–66, Cl. 310—8.2.

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Bornn, Ralph, and J. Weith, to Ideal Toy Corp. Animated crying doll. 3,230,664, 1–25–66, Cl. 46—118.

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Bornstein, Leopold F., to National Polychemicals, Inc. Phenol-furfural resin compositions. 3,244,648, 4–5–66, Cl. 260—3.

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Borrevang, Poul, to Lovens Kemiske Fabrik ved A. Kongsted. Novel 19-nor-testosterone-17-hemiacetals and -hemiacetals esters. 3,264,285, 8–2–66, Cl. 260—239.5.

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Borup, Herbert H., to Kaiser Aluminum & Chemical Corp. Process of making an article of balance construction. 3,278,355, 10–11–66, Cl. 156—229.

Boruvka, Otto. Telescopic folding crutch. 3,272,210, 9–13–66, Cl. 135—50.

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Borysthen-Tkacz, Roman, to General Electric Co. Propulsion system for high-speed VTOL aircraft. 3,273,339, 9–20–66, Cl. 60—35.54.

Borzym, Alexander. Tubular stock cutoff method and apparatus. 3,273,433, 9–13–66, Cl. 83—54.

Borzym, Alexander. Flying cutoff machine with swinging ram. 3,288,011, 11–29–66, Cl. 83—310.

Borzym, Alexander. Flying cutoff machine with orbital ram. 3,288,012, 11–29–66, Cl. 83—310.

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Boscamp, Francis B., ½ to B. R. Boscamp. Receptacle with improved corner unit. 3,236,404, 2–22–66, Cl. 220—4.

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Boschi, Antonio, to Societa Applicazioni Gomma Antivibranti "SAGA" S.p.A. Sound-absorbing covering. 3,232,372, 2–1–66, Cl. 181—33.
Boschi, Antonio, and M. Rubietti, to Societa Applicazioni Gomma Antivibranti "SAGA" S.p.A. Elastic universal joints for the transmission of torque. 3,293,882, 12–27–66, Cl. 64—14.
Boschi, Antonio, and G. Martorani, to Societa Applicazioni Gomma Antivibranti "SAGA" S.p.A. Torque transmitting resilient joint and manufacturing method. 3,293,883, 12–27–66, Cl. 64—14.
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Boscia, Salvatore J., to Philco Corp. Programmable digital high and low limit detector system. 3,246,249, 4–12–66, Cl. 328—146.
Boscia, Salvatore J., and W. L. Scolnik, to Philco Corp. Record controlled test set and magazine therefor having frangible finger encoding means. 3,235,797, 2–15–66, Cl. 324—73.
Bosco, George B., Jr., and H. E. Corbitt, to Aerojet-General Corp. Axial airgap dynamoelectric machine. 3,261,998, 7–19–66, Cl. 310—126.
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Bose, Amar G. Signal translation. 3,265,870, 8–9–66, Cl. 235—150.
Bose, Amar G. Selective transmission. 3,278,866, 10–11–66, Cl. 333—17.
Bose, Amar G., to Bose Corp. Signal translation employing two-state techniques. 3,294,981, 12–27–66, Cl. 307—88.5.
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Bose, Robert N., to Whirlpool Corp. Underground gas diffusion system. 3,274,730, 9–27–66, Cl. 47—1.
Boseley, Joseph J. Battery switch. 3,287,532, 11–22–66, Cl. 200—158.
Boser, Ronald J. Zigzag attachment for a two needle sewing machine. 3,288,092, 11–29–66, Cl. 112—100.
Boshagen, Horst, to Farbenfabriken Bayer Aktiengesellschaft. 3-hydroxy-benzisoxazoles and their production. 3,238,220, 3–1–66, Cl. 260—307.
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Bernardi, Luigi, Bosisio, Chillemi, and Goffredo. 3,272,-790.
Bernardi, Luigi, Bosisio, and Goffredo. 3,228,943.
Bernardi, Luigi, Goffredo, and Bosisio. 3,228,939.
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Bosisio, Germano, O. Goffredo, and S. Redaelli, to Societa Farmaceutici Italia. 6-methyl- and 1,6-dimethyl-ergoline nitriles. 3,228,940, 1–11–66, Cl. 260—285.5.
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Bosko, John M. and J. L., and J. B. Lindecker. Portable technical-study workshop screen case. 3,239,297, 3–8–66, Cl. 312—231.
Bosko, John M. and J. L., and J. B. Lindecker. Animal training safety leash stick. 3,244,149, 4–5–66, Cl. 119—29.
Bosko, John M. and J. L., and J. B. Lindecker. Mobile garden and refuse cart. 3,266,813, 8–16–66, Cl. 280—8.
Bosko, John M. and J. L., and J. B. Lindecker. Portable workbench for hand table tools. 3,271,044, 9–6–66, Cl. 280—79.3.
Boskovich, Boris, and C. L. Seacord, to Honeywell Inc. Gyroscope testing system. 3,282,081, 11–1–66, Cl. 73—1.
Bosland, James M., and J. H. Giltzow, to Aqua Meter Instrument Corp. Magnetic compass. 3,261,103, 7–19–66, Cl. 33—225.
Bosler, Krell, to Borg-Warner Corp. Bolt cap unit. 3,241,-427, 3–22–66, Cl. 85—56.
Bosley, Aifred D., Jr., R. N. Frantz, V. J. Ryszewski, and W. N. Scott, to Chrysler Corp. Torsion bar wheel suspension. 3,288,487, 11–29–66, Cl. 280—124.
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Bosman, Machiel, to Stamicarbon N.V. Method and apparatus for controlling pulsing of jig washer separating liquid. 3,285,414, 11–15–66, Cl. 209—457.
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Bosse, Rolf, to Telefunken Patentverwertungsgesellschaft m.b.H. Transistor self-heterodyning mixer. 3,270,286, 8–30–66, Cl. 325—440.
Bosselaers, Raphael I. G., and C. A. Schipper, to North American Philips Co., Inc. Distribution amplifier for electrical signals. 3,263,179, 7–26–66, Cl. 330—54.
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Bossi, Giovanni, and B. Pasqualini, to Galvarplast S.N.C. Coating and oven system including work handling means. 3,262,420, 7–26–66, Cl. 118—57.
Bossinger, Charles D., to Armour Pharmaceutical Co. Treatment of multiple sclerosis with oxytocin. 3,274,060, 9–20–66, Cl. 167—74.
Bossinger, Charles D., and K. G. Taylor. 2-hydroxy-2-phenyl alkyl carbamates. 3,248,418, 4–26–66, Cl. 260—482.
Bossinger, Charles D., and K. G. Taylor, to Armour Pharmaceutical Co. Phenyl alkyl-1,2 dicarbamates. 3,265,-727, 8–9–66, Cl. 260—482.
Bossinger, Charles D., and K. G. Taylor, to Armour Pharmaceutical Co. Substituted phenethyl carbamates. 3,265,728, 8–9–66, Cl. 260—482.
Bossinger, Charles D., and K. G. Taylor, to Armour Pharmaceutical Co. Methods of calming employing diphenyl hydroxy carbamate compounds. 3,278,380, 10–11–66, Cl. 167—65.
Bossinger, Charles D., and T. Enkoji, to Armour Pharmaceutical Co. 5 amino-1-phenyltetrazole muscle relaxant preparations. 3,278,381, 10–11–66, Cl. 167—65.
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Bost, George F., Jr., ⅛ to W. L. Crandall, and ⅛ to W. R. Woodburn. Vehicle signal device. 3,233,217, 2–1–66, Cl. 340—33.
Bost, Howard W., to Phillips Petroleum Co. Process of electrolytically improving the clarity of sulfonic acids. 3,269,-927, 8–30–66, Cl. 204—131.
Bost, Howard W., and J. E. Mahan, to Phillips Petroleum Co. Di(sulfonyl azides) as crosslinking agents for hydrocarbon polymers. 3,282,864, 11–1–66, Cl. 260—2.5.
Bost, John J., A. Cera, and J. A. Cabeal, to Aerojet-General Corp. Gelled fuel compositions. 3,232,801, 2–1–66, Cl. 149—19.
Bost, John J., R. E. Bernard, and G. R. Joiner, to Aerojet-General Corp. Neutralizer composition. 3,291,743, 12–13–66, Cl. 252—149.
Bosteels, Henri M. L., to Central Welding Research Laboratories Ltd. Semi-automatic wire feeder having interchangeable gears. 3,239,120, 3–8–66, Cl. 226—178.
Bosteels, Henri M. L., to Central Welding Research Lab. Ltd. Wire-feeding welding assembly. 3,242,310, 3–22–66, Cl. 219—130.
Bosteels, Henri M. L., to Central Welding Research Lab, Ltd. Control component for wire-feeding welding assembly. 3,262,623, 7–26–66, Cl. 226—174.
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Bostian, Logan C., and M. H. Heffner, to Allied Chemical Corp. Manufacture of cellulosic board and novel adhesive system therefor. 3,271,335, 9–6–66, Cl. 260—17.2.
Bostick, Louis D. Skate boards provided with longitudinally adjustable wheel carriage units. 3,235,282, 2–15–66, Cl. 280—87.04.
Bostitch Inc.: *See*—
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Bostock, James H., and F. H. Taylor, to Otis Engineering Corp. Hydraulically set well packer. 3,237,695, 3–1–66, Cl. 166—120.
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Boston, Robert S., to Marcona Corp. Combination oil-ore-bulk cargo ship. 3,288,097, 11–29–66, Cl. 114—73.
Boston University Medical Center: *See*—
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Boston, William G., to Mobil Oil Corp. Method for oil recovery. 3,285,338, 11–15–66, Cl. 166—9.
Bostonian, Edward. Detachable ballast unit for a fluorescent light. 3,243,659, 3–29–66, Cl. 317—99.
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Oswald, William C. 3,258,241.
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Radke, Arthur O., Oswald, and Champa. 3,275,372.
Bostrom, John D., to Illinois Tool Works Inc. Composite package. 3,288,280, 11–29–66, Cl. 206—56.
Bostwick, Dunbar W., to Aviation Instrument Mfg. Corp. Aircraft radio navigation instrument system. 3,234,552, 2–8–66, Cl. 343—107.
Bostwick, Dunbar W., to Aviation Instrument Mfg. Corp. Aircraft flight instrument system. 3,277,484, 10–4–66, Cl. 343—107.
Bostwick, Kenneth V., to International Business Machines Corp. Flat cable strain relief. 3,260,982, 7–12–66, Cl. 339—17.
Bostwick, Robert A., to A. T. Ferrell & Co. Follow up motor control system including provision for braking. 3,260,908, 7–12–66, Cl. 318—28.
Boswell, George A., Jr., to Shell Oil Co. Ring expansion of cyclopentene carbonyl compounds. 3,265,738, 8–9–66, Cl. 260—586.
Boswell, George A., Jr., to E. I. du Pont de Nemours and Co. 7,7 gem difluoro steroids of the androstane and pregnane series. 3,282,969, 11–1–66, Cl. 260—397.3.
Boswell, Vance F., and R. L. Shoemaker, to United States of America, Navy. Ejector breech and firing system. 3,229,-632, 1–18–66, Cl. 102—16.
Boswell, Virgil M.: *See*—
Woolums, Charles R. 3,226,875.
Bosworth, Cyrus M.: *See*—
Ashley, Carlyle M., and Bosworth. 3,240,024.
Ashley, Carlyle M., and Bosworth. 3,259,181.
Boswell, Paul B.: *See*—
Lally, Leonard A., Davis, and Boswell. 3,276,271.
Boswinkle, George, and L. H. Hinkel, to Whirlpool Corp. Vacuum cleaner. 3,286,444, 11–22–66, Cl. 55—215.
Bosworth, Robert H., to The Bendix Corp. Hot gas proportional control valve system. 3,268,186, 8–23–66, Cl. 244—78.
Bot Brassert Oxygen Technik AG.: *See*—
Rinesch, Rudolf. 3,232,748.
Boteler, Henry W., to Grinnell Corp. Method of making a diaphragm valve. 3,251,122, 5–17–66, Cl. 29—157.1.
Boteler, Henry W., to Grinnell Corp. Diaphragm valve. 3,257,097, 6–21–66, Cl. 251—331.
Boteler, Henry W., to Grinnell Corp. Diaphragm valve body flange construction. 3,275,292, 9–27–66, Cl. 251—331.
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Dunnavant, William R., and Botham. 3,236,798.
Bothe, Werner, to Maschinenfabrik Hasenclever Aktiengesellschaft. Multiple disc clutch with indicating means. 3,240,-307, 3–15–66, Cl. 192—85.
Bothwell, Marvin R., to The Dow Chemical Co. Diffusion cladding. 3,268,358, 8–23–66, Cl. 117—131.
Botkin, Joseph L. Sampling valve. 3,242,739, 3–29–66, Cl. 73—422.
Botkin, Robert J.: *See*—
McMahan, Roy F., Jr., and Botkin. 3,286,964.
Botkin, Robert J., to American Metal Products Co. Pedestal base. 3,286,966, 11–22–66, Cl. 248—188.7.
Botnick, Irlin H., to Curtiss-Wright Corp. Spring clutch with anti-fretting molybdenum coated surface. 3,249,190, 5–3–66, Cl. 192—81.
Bots, Gerardus: *See*—
Schroder, Herman M., and Bots. 3,261,076.
Botsaris, Gregory: *See*—
Nelson, George R., and Botsaris. 3,285,764.
Bott, Adolf H., to Radio Corp. of America. Stereophonic subcarrier signal generator. 3,231,673, 1–25–66, Cl. 179—15.
Bott, Adolf H., to Radio Corp. of America. Phase inverter and automatic frequency control stabilizer for a frequency modulator system. 3,259,856, 7–5–66, Cl. 332—19.
Bott, Adolf H., to Radio Corp. of America. Variable reactance solid state frequency modulation system. 3,293,571, 12–20–66, Cl. 332—29.
Bott, John A. Luggage rack. 3,253,755, 5–31–66, Cl. 224—42.1.
Bott, John A., and D. C. McElroy, said McElroy assor. to said Bott. Ski rack. 3,239,115, 3–8–66, Cl. 224—42.1.
Bott, Lawrence L., to Nalco Chemical Co. Carburetor de-icing. 3,257,179, 6–21–66, Cl. 44—63.
Bottani, Angelo, to Societa Internazionale Fonovisione S.p.A. Device for motion picture projection by means of a rotating prism provided with shutter. 3,262,750, 7–26–66, Cl. 352—119.
Bottani, Angelo, to Societa Internazionale Fonovisione S.p.a. Projection apparatus. 3,282,151, 11–1–66, Cl. 88—24.
Bottani, Angelo, to Societa Internazionale Fonovisione S.p.A. Combined film and slide projector. 3,288,549, 11–29–66, Cl. 352—131.
Bottas, Michael J.: *See*—
Lang, David L., and Bottas. 3,250,098.
Bottazzi, Andrea: *See*—
Garzia, Aldo, and Bottazzi. 3,282,935.
Bottenbruch, Ludwig: *See*—
Heller, Karl-Heinz, Bottenbruch, and Schnell. 3,277,-183.
Schnell, Hermann, Bottenbruch, and Krimm. 3,275,601.
Schnell, Hermann, Bottenbruch, Lotter, and Schwarz. 3,267,075.
Schnell, Hermann, Fritz, and Bottenbruch. 3,251,805.
Schnell, Hermann, Krimm, and Bottenbruch. 3,271,367.
Bottenbruch, Ludwig, H. Schnell, and K.-H. Rullmann, to Farbenfabriken Bayer Aktiengesellschaft. Process for removing elemental chlorine from crude phosgene with a phenol. 3,230,253, 1–18–66, Cl. 260—544.
Bottenbruch, Lugwig, and H. Schnell, to Farbenfabriken Bayer Aktiengesellschaft. Process for the manufacture of carbonic acid esters. 3,275,674, 9–27–66, Cl. 260—463.
Bottenbruch, Lndwig, and H. Schnell, to Farbenfabriken Bayer Aktiengesellschaft. Curable and cured high molecular weight polycarbonates and process for the production thereof. 3,285,875, 11–15–66, Cl. 260—47.
Botterill, John R., to Alfred Teves Maschinen-und Armaturenfabrik KG. Vehicle-braking system. 3,265,162, 8–9–66, Cl. 188—86.
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Schneider, Wilhelm, and Bottger. 3,291,647.
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Stuhlmiller, Max, Bottiger, and Heid. 3,294,474.
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Findlay, Robert A., Scott, and Bottomley. 3,231,650.
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Bottomley, Anthony and D. C., to Phillips Petroleum Co. Production of woven thermoplastic fabrics. 3,283,788, 11–8–66, Cl. 139—28.
Bottomley, David C: *See*—
Bottomley, Anthony, and D. C. 3,283,788.
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Strauss, Richard, and Bottomley. 3,244,662.
Bottomley, William K.: *See*—
Ramsay, Alan J., and Bottomley. 3,270,295.
Bottoms, Harry S., to Joseph Lucas (Industries) Ltd. Anti-sticking fuel flow controlling device. 3,267,945, 8–23–66, Cl. 137—19.
Bottoms, Harry S., to Joseph Lucas (Industries) Ltd. Gear pumps. 3,276,387, 10–4–66, Cl. 103—126.
Bottoms, Harry S., to Joseph Lucas (Industries) Ltd. Gear pumps. 3,291,060, 12–13–66, Cl. 103—126.
Bottoms, William A., to Timberland-Ellicott Ltd. Choker hook. 3,239,900, 3–15–66, Cl. 24—123.
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Bottonari, Samuel A., G. E. Rhodes, and H. C. Peppel, to Westinghouse Electric Corp. Switchgear having manual and motor operated spring charging means. 3,236,967, 2–22–66, Cl. 200—92.
Bottrill, David H., ¼ to R. M. Watson. Method and apparatus for vaporizing and burning fnel oil. 3,241,594, 3–22–66, Cl. 158—5.
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Wiswell, Grant A. 3,277,800.
Botts, Nelson F.: *See*—
Sutton, Walter T., Broyles, and Botts. 3,248,892.
Bottum, Edward W. Adjustable muffler. 3,253,676, 5–31–66, Cl. 181—64.
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Baumgartner, John R., and Bouchard. 3,239,912.

Bouchard, Joseph G. F., and L. A. Hermansen, to Sprague Electric Co. Diffused collector transistor. 3,265,943, 8–9–66, Cl. 317—235.

Bouche, Raymond R., and L. C. Ensor, said Ensor assor., to said Bouche. Vibration damper for suspended outdoor wires. 3,246,073, 4–12–66, Cl. 174—42.

Boucher, Raymond M., and A. L. Weiner, to Mixing Equipment Co., Inc. Defoaming. 3,256,677, 6–21–66, Cl. 55—53.

Boucher, Richard D.: *See*—
Megna, John C., and Boucher. 3,254,002.

Boucherle, Robert H.: *See*—
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Boucheron, Pierre H., Jr., to General Electric Co. Sonar directional beam focusing system. 3,239,790, 3–8–66, Cl. 340—6.

Boucheron, Pierre H., Jr., to General Electric Co. Data addressed memory. 3,241,123, 3–15–66, Cl. 340—172.5.

Bouchez, Jean. Progressively advancing mechanism. 3,267,754, 8–23–66, Cl. 74—117.

Bouchillon, Charles W., to The Bauer Bros. Co. Centrifugal cleaner. 3,288,300, 11–29–66, Cl. 210—512.

Boudakian, Max M., and E. R. Shipkowski, to Olin Mathieson Chemical Corp. Process for preparing fluoronitrobenzenes. 3,240,824, 3–15–66, Cl. 260—646.

Boudakian, Max M., and E. H. Kober, and E. R. Shipkowski, to Olin Mathieson Chemical Corp. Process for the preparation of 2,4,6 trifluoropyrimidine. 3,280,124, 10–18–66, Cl. 260—251.

Boudette, Clayton M. and L. F., to Wakefield Engineering Co., Inc. Heat transfer. 3,239,003, 3–8–66, Cl. 165—185.

Boudette, Laurice F.: *See*—
Boudette, Clayton M. and L. F. 3,239,003.

Boudin, Paul P.: *See*—
Logie, Leslie C., and Boudin. 3,241,151.

Boudouresques, Bernard, to Commissariat A l'Energie Atomique. Fuel element for a nuclear reactor. 3,243,352, 3–29–66, Cl. 176—79.

Boudouresques, Bernard, to Commissariat a l'Energie Atomique. Nuclear fuel element. 3,247,077, 4–19–66, Cl. 176—81.

Boudouresques, Bernard, and P. Rouge, to Commissariat a l'Energie Atomique. Fuel element centering device for nuclear reactors. 3,257,288, 6–21–66, Cl. 176—81.

Boudouresques, Bernard, E. Maillet, and J. Pelce, to Commissariat a l'Energie Atomique. Fuel element for nuclear reactor. 3,261,759, 7–19–66, Cl. 176—81.

Boudouris, Angelo. Speed control for shaded pole induction motors. 3,286,111, 11–15–66, Cl. 310—190.

Boudreau, Thomas K., and A. Z. Kaszynski, to Sperry Rand Corp. Signal responsive apparatus. 3,274,444, 9–20–66, Cl. 317—9.

Bouet, Bernard. Dispensing containers. 3,231,139, 1–25–66, Cl. 222—95.

Bouet, Bernard. Device for introducing and circulating a gas under pressure into an enclosure. 3,255,751, 6–14–66, Cl. 128—204.

Bough, Maynard O., Jr.: *See*—
Zappia, Anthony T., and Bough. 3,244,266.

Boughey, George E.: *See*—
Harris, Frederick J., McGowan, and Boughey. 3,239,313.

Boughton, James W., to Electric Parts Corp. Electrical heating appliance. 3,248,519, 4–26–66, Cl. 219—528.

Boughton, Olin W., to American Optical Co. Microscope adjustment mechanism with coaxial coarse and fine adjustment shafts and differential screw means. 3,260,157, 7–12–66, Cl. 88—39.

Bougle, Jean, to Compagnie Generale de Radiologie. Ratio of permissible to actual X-ray load indicator using plural logarithmic response circuits. 3,290,596, 12–6–66, Cl. 324—140.

Boukair, Moe N. Automatic weighing apparatus for food slicing machine. 3,279,548, 10–18–66, Cl. 177—160.

Bouladon, Gabriel, and P. Zuppiger, to The Battelle Development Corp. Varying speed transport apparatus. 3,236,191, 2–22–66, Cl. 104—25.

Bouladon, Gabriel, and P. Zuppiger, to Spencer (Melksham) Ltd. Mobile air layer transporter. 3,279,863, 10–18–66, Cl. 302—29.

Boulanger, Joseph M. Color coded surface ball game apparatus. 3,231,278, 1–25–66, Cl. 273—118.

Boulay, Henri A., to Bostitch Inc. Fastener driving apparatus. 3,281,046, 10–25–66, Cl. 227—115.

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Bouligny, R. H., Inc.: *See*—
Hassler, Francis J. 3,251,620.
Wilson, Robert W. 3,244,445.
Wolf, Herman B. 3,255,382.
Wolf, Herman B. 3,274,445.

Boulsover, Geoffrey, to The Amalgamated Dental Co. Ltd. Hoist. 3,240,529, 3–15–66, Cl. 297—327.

Boulter, William F.: *See*—
Golbeck, Bernard J., Boulter, Tice, and Lewandowski. 3,290,473.

Boulton Paul Aircraft Ltd.: *See*—
Lomnicki, Zbigniew A. 3,261,227.
Lomnicki, Zbigniew A. 3,287,993.
North, John D. 3,291,067.

Bound Brook Bearing Corp. of America: *See*—
Thornton, Harry E. 3,241,656.
Thornton, Harry E. 3,260,773.

Bounds, Wallace A. Semi-automatic valves. 3,291,154, 12–13–66, Cl. 137—624.18.

Boundy, Bruce K., to Ekco Products Co. Adjustable hinge assembly. 3,251,088, 5–17–66, Cl. 16—151.

Bouniot, Albert: *See*—
Mercier, Jules, and Bouniot. 3,259,658.

Bounsall, Norman F., to Ampex Corp. Selective recording and display systems for television recorders. 3,229,035, 1–11–66, Cl. 178—6.6.

Bounsall, Norman F., to Ampex Corp. Interlock system for wideband magnetic recording and reproducing systems. 3,230,307, 1–18–66, Cl. 178—6.6.

Bounsall, Norman F., to Ampex Corp. Editing method and system. 3,257,504, 6–21–66, Cl. 178—5.6.

Bouquet, Francis L., Jr., and S. J. Smyth, to Lockheed Aircraft Corp. Radionuclide propulsion device. 3,258,911, 7–5–66, Cl. 60—35.6.

Bour, Thomas C., to Pittsburgh Plate Glass Co. Method for the production of glass fibers. 3,251,665, 5–17–66, Cl. 65—2.

Bourassa, Robert L., J. G. Winkler, and C. K. Woodman, to International Vulcanizing Corp. Means for string-lasting uppers to lasts. 3,249,955, 5–10–66, Cl. 12—145.

Bourbon, A., & Fils, Etablissements: *See*—
Bourbon, Jean. 3,237,605.

Bourbon, Jean, to A. Bourbon & Fils, Etablissements. Two-colours stylograph. 3,237,605, 3–1–66, Cl. 120—42.13.

Bourbonnais, M.-A. Architecture of theatres. 3,263,380, 8–2–66. Cl. 52—64.

Bourcier de Carbon, Christian M. L. L.: *See*—
Fernandez, Pedro R. 3,287,008.
Heckethorn, John E. 3,227,497.

Bourcier de Carbon, Christian M. L. L. Valved piston with bleed. 3,256,961, 6–21–66, Cl. 188—88.

Bourcier de Carbon, Christian M. L. L. Shock absorbers. 3,269,718, 8–30–66, Cl. 267—64.

Bourcier de Carbon, Christian M. L. L. Shock absorbers. 3,272,493, 9–13–66, Cl. 267—8.

Bourdale, Lucien R. J. Cartridge filter. 3,279,616, 10–18–66, Cl. 210—487.

Bourdin, Jean S.: *See*—
Mayet, Pierre E., and Bourdin. 3,291,001.

Bourean, George P., and J. E. Maloney, to Petrex Chemical Industries Inc. Paint stripping compositions and process. 3,284,365, 11–8–66. Cl. 252—156.

Bourgau, Yolande: *See*—
Colas, Louis, Demoures, and Bourgau. 3,268,449.

Bourgault, Pierre L., and J. Batelaan, to Johnson, Matthey & Mallony Ltd. Three-terminal electrolytic device. 3,273,027, 9–13–66, Cl. 317—230.

Bourgeas, Pierre. Tube holding device for reeling in textile machines. 3,241,778, 3–22–66, Cl. 242—18.

Bourgeault, Leo B.: *See*—
Eckenfelder, Robert C., and Bourgeault. 3,287,622.

Bourgeois, Edouard, 50% to Societe Commerciale Paulstia. Shock and vibration absorbing suspension for vehicle motors. 3,244,386, 4–5–66, Cl. 248—9.

Bourgeois John J., to Embart Corp. Lock cylinder. 3,276,232, 10–4–66, Cl. 70—370.

Bourget, Joseph A., to Martin-Marietta Corp. Shift registers employing tunnel diodes and particular gating means. 3,249,766, 5–3–66, Cl. 307—88.5.

Bourhenne, Francis K.: *See*—
Maxted, Charles F., and Bourhenne. 3,281,564.

Bourhenne, Francis K., to Sierra Electric Corp. Electrical connector. 3,274,531, 9–20–66, Cl. 339—99.

Bourke, Robert E., to Corn Products Co. Dual sprayhead. 3,246,850, 4–19–66, Cl. 239—394.

Bourlin, Gabriel P., deceased; L. I. Bourlin, L. L. Gowans, and R. E. Brown, executors, to Versicrete Industries. Manufacture of lightweight concrete products. 3,264,125, 8–2–66, Cl. 106—76.

Bourlin, Ludmiller I.: *See*—
Bourlin, Gabriel P. 3,264,125.

Bourne, Benjamin A., and P. S. Francis, to United States Sugar Corp. Raw cane sugar recovery process. 3,232,793, 2–1–66, Cl. 127—50.

Bourne, David A., to International Business Machines Corp. Identification and comparison apparatus for contour patterns such as fingerprints. 3,292,149, 12–13–66, Cl. 340—146.3.

Bourne, Henry A., to Continental Oil Co. Method and apparatus for completing wells. 3,273,641, 9–20–66, Cl. 166—12.

Bourne, Henry A., Jr.: *See*—
Haden, Elard L., and Bourne. 3,265,139.

Bourne, Joseph R., to Carrier Corp. Absorption refrigeration systems and method of operation providing improved solution distribution over the tubes of the absorber. 3,289,427, 12–6–66, Cl. 62—101.

Bourne, Joseph R., and K. V. Eisberg, to Carrier Corp. Maintaining the effectiveness of an additive in absorption refrigeration systems. 3,276,217, 10–4–66, Cl. 62—101.

Bourne, Joseph R., and K. V. Eisberg, to Carrier Corp. Refrigerant control for absorption refrigeration systems. 3,293,873, 12–27–66, Cl. 62—141.

Bourne, Kenneth H.: *See*—
Holmes, Peter D., and Bourne. 3,238,269.
Holmes, Peter D., and Bourne. 3,274,122.

Bourne, Kenneth H., and P. D. Holmes, to The British Petroleum Co. Ltd. Catalysts and the hydrogenation of unsaturated hydrocarbons using said catalysts. 3,274,282, 9–20–66, Cl. 260—677.

Bournique, Douglas P. Method for the production of decorative wall and flooring tile. 3,242,242, 3–22–66, Cl. 264—71.

Bourns, Inc.: *See*—
Bourns, Marlan E., Caddock, and Mathison. 3,242,450.
Hardison, Wilbur T., and Stout. 3,227,985.
Hluchan, Stephen A., and Hofmann. 3,271,720.
Jones, Robert L., and Kruse. 3,289,137.
Marks, Eugene A. 3,267,734.
Marks, Eugene A., and Sperling. 3,289,136.
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Smith, Melvin H., Bourns, and Hickman. 3,244,821.
Stout, Wylie A. 3,242,453.

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Smith, Melvin H., Bourns, and Hickman. 3,244,821.

Bourns, Marlan E. Variable resistor construction. 3,237,141, 2–22–66, Cl. 338—180.

Bourns, Marlan E., R. E. Caddock, and V. G. Mathison, to Bourns, Inc. Potentiometer. 3,242,450, 3–22–66, Cl. 338—164.

Bourquard, Fernand E. G. Means for keeping a high degree of temperature stability within a chamber of substantial dimensions. 3,272,258, 9–13–66, Cl. 165—26.

Bourque, Aurel W., and G. A. Lothrop, to W. R. Grace & Co. Process of preparing a rubber and oil latex with sulfur. 3,236,799, 2–22–66, Cl. 260—29.7.

Bourquin, Jean P.: *See*—
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Boursaud, Jack: *See*—
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Bouschart, Kenneth, and E. A. Myer, to Feed Service Corp. Rotating knife tenderometer. 3,264,866, 8–9–66, Cl. 73—78.

Bousky, Samuel, to Optics Technology, Inc. Fibre optics code apparatus. 3,256,767, 6–21–66, Cl. 88—1.

Bouteille, Charles Y. J. Method and apparatus for electrostatic separation of fine powders. 3,275,139, 9–27–66, Cl. 209—129.

Boutelant, Paul, to Compagnie Generale d'Electricite. Low attention very high frequency time delay vs. frequency variation correcting network. 3,287,667, 11–22–66, Cl. 333—28.

Boutelant, Paul, to Compagnie Generale d'Electricite. Non-reciprocal attenuation equalization network using circulator having plural mismatched ports between input and output port. 3,289,113, 11–29–66, Cl. 333—28.

Boutevin, Pierre: *See*—
Moreau, Rene P., Charpentier, Ricart, and Boutevin. 3,273,700.

Bouthillet, Robert J. Method of removing organic materials from waste waters. 3,244,621, 4–5–66, Cl. 210—40.

Boutillette, Edward J., to M.K.M. Knitting Mills, Inc. Yarn carrier stop mechanism for cotton-type knitting machines. 3,241,338, 3–22–66, Cl. 66—130.

Boutillette, Edward J., and A. F. Copertino, to M.K.M. Knitting Mills, Inc. Fashioned knitted fabric with cable stitch and method of and apparatus for making same on a full fashioned knitting machine. 3,256,718, 6–21–66, Cl. 66—96.

Boutin, Harold S. Easel and seat assembly. 3,244,450, 4–5–66, Cl. 297—156.

Boutmy, Patrick E.: *See*—
Barbier, Xavier N., and Boutmy. 3,281,610.

Boutmy, Patrick E., to Societe Anonyme de Telecommunications. Non-linear coded signal decoder. 3,278,930, 10–11–66, Cl. 340—347.

Bouton, George M., and M. J. O'Brien, to Bell Telephone Laboratories, Inc. Activated rosin fluxes and cored solders made therefrom. 3,281,222, 10–25–66, Cl. 29—191.6.

Boutwell, Louie J. Extensible and swingable tow hitch. 3,279,825. 10–18–66, Cl. 280—478.

Bouty, Lucien R., to International Standard Electric Corp. Impulse shape regenerating circuit. 3,258,615, 6–28–66, Cl. 307—106.

Bouver, Henri Y.: *See*—
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Bouvier, Daniel, to Application des Gaz. Valve unit for liquefied gas containers. 3,285,274, 11–15–66, Cl. 137—322.

Bouvier, Georg: *See*—
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Bouvier, Ward A., to General Binding Corp. Successively acting punching machine. 3,227,023, 1–4–66, Cl. 83—549.

Bouwer, Gerrit P., and J. van der Wal, to North American Philips Co., Inc. Thermo-electric device for measuring thermal radiation energy. 3,293,082, 12–20–66, Cl. 136—206.

Bouwers, Albert, and H. W. Bulthuis, to Optische Industrie "De Oude Delft." Centered optical mirror system having finite conjugates. 3,244,073, 4–5–66, Cl. 88—57.

Bouyoucos, John V. Acoustic processing method and means. 3,233,872, 2–8–66, Cl. 259—4.

Bouyoucos, John V. Hydroacoustic transducer with centering means. 3,275,977, 9–27–66, Cl. 340—15.

Bouyoucos, John V., to General Dynamics Corp. Acoustic apparatus. 3,277,437, 10–4–66, Cl. 340—12.

Bova, Joseph D., and H. C. Engel, to American Cyanamid Co. Method and apparatus for forming honeycomb. 3,242,024, 3–22–66, Cl. 156—197.

Bovar Engineers, Inc.: *See*—
Howell, Robert C., and Lawler. 3,285,438.

Bovard, William D., to Packaging Corp. of America. Interior packaging member. 3,245,602, 4–12–66, Cl. 229—14.

Bovay, Norman E., to United States Rubber Co. Shoe having inside stay-on strap. 3,234,667, 2–15–66, Cl. 36—2.5.

Bovone, Luigi. Roller device for the painting of glass or crystal plates, and of flat surfaces in general. 3,237,597, 3–1–66, Cl. 118—249.

Bowden, Benjamin G.: *See*—
Little, John M., Bowden, Roeck, Spencer, Fuller, Rosenberg, Meeker, Greenen, and Bevington. 3,277,511.

Bowden, Benjamin G. Velocipede frame. 3,233,916, 2–8–66, Cl. 280—247.

Bowden, George F., to Symons Mfg. Co. Waler clamp and tie rod assembly for a concrete wall form. 3,246,869, 4–19–66, Cl. 249—45.

Bowden, George F., to Symons Mfg. Co. Rivetless concrete wall form panel with plywood facing and metal studding. 3,246,871, 4–19–66, Cl. 249—189.

Bowden, George F., and R. C. Capek, to Symons Mfg. Co. Flexible panel with abutting reaction shoulders under compression. 3,291,437, 12–13–66, Cl. 249—48.

Bowden, J. E. Automatic tension control systems for oil well drill lines. 3,265,359, 8–9–66, Cl. 254—173.

Bowden, J. E., and C. G. Lynch, to Vortex Tool & Mfg. Co. Vortex type reconditioner and reconditioning method for used drilling mud. 3,271,929, 9–13–66, Cl. 55—52.

Bowden, James C. Noisemaking toy. 3,263,361, 8–2–66, Cl. 46—61.

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Bowditch, Hoel L., to The Foxboro Co. Industrial chart recorder with special inking pen. 3,278,942, 10–11–66, Cl. 346—140.

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Bowen, Glen L., and Lemon. 3,270,588.

Bowen, Glen L., and R. W. Lemon, to G. L. Bowen & Co. Controlled steering differential with external brakes. 3,260,134, 7–12–66, Cl. 74—710.5.

Bowen, Glen L., and R. W. Lemon, to G. L. Bowen & Co. Multiple speed cooling fan drive mechanism. 3,270,588, 9–6–66, Cl. 74—750.

Bowen, Harry H., E. B. Lee, and R. W. Luttrell, to Caterpillar Tractor Co. Door operating means for bottom dump wagons. 3,254,920, 6–7–66, Cl. 298—35.

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Bowen, William D. Spring action wheel chock. 3,258,088, 6–28–66, Cl. 188—32.

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Bowers, Albert, to Syntex Corp. 19-lower alkylidene and 19-oxo-$\Delta^{1'}$ androsten-17β-ol-3-one derivatives. 3,235,573, 2–15–66, Cl. 260—397.4.

Bowers, Albert, to Syntex Corp. Process for the preparation of 19-norethinyltestosterone. 3,235,574, 2–15–66, Cl. 260—397.4.

Bowers, Albert, to Syntex Corp. 9α,11β-dichloro-17α-acyloxy-$\Delta^{4,6}$-pregnadiene-3,20-diones and corresponding 1-dehydro derivatives. 3,236,868, 2–22–66, Cl. 260—397.45.

Bowers, Albert, to Syntex Corp. Hemi-esters and phosphates of 19-nor-pregnan-21-01-3,20-dione and metallic salts thereof. 3,238,234, 3–1–66, Cl. 260—397.47.

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Bowers, Albert, to Syntex Corp. 19-aminoandrostenes and 10-androstenes. 3,278,565, 10–11–66, Cl. 260—397.4.

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Bowman, Dudley, to Gas Appliance Supply Corp. Machine for closing the ends of manifold pipes. 3,265,279, 8–9–66, Cl. 228—17.

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Boyce, William C., and H. E. Freeman, to United States of America, Air Force. Low-profile, high-strength latch. 3,286,317, 11–22–66, Cl. 24—223.

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Boyd, Barkley. Trailer hitch. 3,250,548, 5–10–66, Cl. 280—489.

Boyd, Charles A., to Aeroprojects Inc. Chemical energy laser pump. 3,271,980, 9–13–66, Cl. 67—33.

Boyd, Charles A., and H. Kartluke, to United States of America, Atomic Energy Commission. Apparatus employing vibratory energy. 3,229,523, 1–18–66, Cl. 73—290.

Boyd, Charles H., and C. H. Trimble, to Western Electric Co., Inc. Apparatus for testing and assorting articles. 3,240,-333, 3–15–66, Cl. 209—81.

Boyd, Charles J. Device for collecting, holding and dispensing flanged primers. 3,283,425, 11–8–66, Cl. 86—45.

Boyd, Clarence L., to Titanium Metals Corp. of America. Purification of crude titanium tetrachloride. 3,253,885, 5–31–66, Cl. 23—87.

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Boyd, Clinton A., to Borg-Warner Corp. Pressure and heat sensing means for submersible motors. 3,284,669, 11–8–66, Cl. 317—13.

Boyd, David M., Jr., to Universal Oil Products Co. Fluid-flow control system for simulated moving bed processes. 3,268,604, 8–23–66. Cl. 260—666.

Boyd, David M., Jr., to Universal Oil Products Co. Supervisory control system for a simulated moving bed separation process. 3,268,605, 8–23–66, Cl. 260—666.

Boyd, David M., Jr., to Universal Oil Products Co. Pulse rate controller. 3,274,583, 9–20–66, Cl. 340—347.

Boyd, David M., Jr., and K. O. Rockey, to Universal Oil Products Co. Method and apparatus for boron trihalide analysis. 3,271,111, 9–6–66, Cl. 23—230.

Boyd, David R., Y. T. Sihvonen, and C. D. Woelke, to General Motors Corp. Method of producing ohmic contacts on semiconductors. 3,235,476, 2–15–66, Cl. 204—192.

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Boyd, Dewey D. Tilto responsive switch. 3,293,396, 12–20–66, Cl. 200—152.

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Boyd, Frank C., and W. W. Havduk, to Townsend Co. Spur plate. 3,257,134, 6–21–66, Cl. 287—189.35.

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Boyd, Gil R.: *See*—
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Nelson, Wayne F., and Boyd. 3,292,707.

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Boyd, Harold D. Fish lures. 3,226,874, 1–4–66, Cl. 43—42.06.

Boyd, Holmes E. Apparatus for cleaning septic tanks. 3,267,-509, 8–23–66, Cl. 15—314.

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Fassell, Wayne M., Jr., Boyd, and Saul. 3,264,199.

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Boyd, Keith A., to Eaton Yale & Towne Inc. Brake apportioning device. 3,278,240, 10–11–66, Cl. 303—6.

Boyd, Malcolm R.: *See*—
Mihran, Theodore G., and Boyd. 3,248,593.

Boyd, Malcolm R., to General Electric Co. Multiple-beam radio frequency apparatus. 3,248,594, 4–26–66, Cl. 315—5.14.

Boyd, Malcolm R., R. A. Dehn, and T. G. Mihran, to General Electric Co. Multiple-beam klystron apparatus with periodic alternate capacitance loaded waveguide. 3,248,-597, 4–26–66, Cl. 315—5.16.

Boyd, Merle R., F. M. Hendry, and R. T. Mannette, to Raytheon Co. Fluid cooled traveling wave tube. 3,246,190, 4–12–66, Cl. 313—32.

Boyd, Phillip C.: *See*—
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Hamann, Omer F., and Boyd. 3,247,514.

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Boydell, Kenneth R., and B. C. Kempson, to Dowty Hydraulic Units Ltd. Clutch control. 3,293,932, 12–27–66, Cl. 74—339.

Boydell, Timothy G. B., to Hawker Siddeley Dynamics Ltd. Optical sensing system. 3,263,084. 7–26–66, Cl. 250—203.

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Boyer, Lyndon D., to Continental Oil Co. Purification of olefins. 3,285,988, 11–15–66, Cl. 260—677.

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Boyer, Roland A. R., and A. E. J. Chatelon, to International Standard Electric Corp. Arrangement for the suppression of noise in transmission systems. 3,231,674, 1–25–66, Cl. 179—15.

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Rabo, Jule A., Pickert, and Boyle. 3,236,762.

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Boyle, John S., P. A. Rennord, and G. N. Nelson, to Weyerhaeuser Co. Automatic breakdown machine. 3,231,102, 1–25–66, Cl. 214—8.5.

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Bozek, John S., to Continental Can Co. Plastic bottle neck reaming machine. 3,230,602, 1–25–66, Cl. 29—33.

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Bozek, John S., to Continental Can Co., Inc. Easy opening pull tab can end with wide tear strip. 3,247,997, 4–26–66, Cl. 220—54.

Bozek, John S., to Continental Can Co., Inc. Easy opening and lifting can-end with dead-end inside score line. 3,251,-503, 5–17–66, Cl. 220—54.

Bozek, John S., to Continental Can Co., Inc. Combination drawn tapered aluminum can with plastic film closure. 3,255,918, 6–14–66, Cl. 220—67.

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Bozek, John S., to Continental Can Co., Inc. Easy opening can. 3,286,874, 11–22–66, Cl. 220—48.

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Brack, Karl, to Hercules Powder Co. 1,5,9-cyclododecatriene and 1,2,4-trivinylcyclohexane as cross-linking monomers for unsaturated polyester resins. 3,227,780, 1–4–66, Cl. 260—861.

Brack, Karl, to Hercules Powder Co. Polyhydroxy esters. 3,234,249, 2–8–66, Cl. 260—407.

Brack, Karl, to Hercules Powder Co. Coating composition. 3,269,986, 8–30–66, Cl. 260—21.

Brack, Karl, to Hercules Inc. Polyester polyols. 3,285,881, 11–15–66, Cl. 260—78.4.

Bracka, Bruno W., to General Dynamics Corp. Means for positioning a rotating wing slat device. 3,272,458, 9–13–66, Cl. 244—42.

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Bracutt, Michael, to United States of America, Army. Dual mode magnetic amplifier speed control. 3,230,438, 1–18–66, Cl. 318—388.

Bradbury, Farel. Fluid-powered linear actuators. 3,270,626, 9–6–66, Cl. 92—113.

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Bradley, Charles J., and K. E. Meade, to United States of America, Army. Method of making a silver oxide electrode. 3,282,732, 11–1–66, Cl. 136—20.

Bradley, Chester D., to The A. H. Emery Co. Hydraulic load cell. 3,273,470, 9–20–66, Cl. 92—101.

Bradley, Curtis E.: *See*—
Van Nimwegen, Robert R., Steele, and Bradley. 3,230,710.
Van Nimwegen, Robert R., Steele, and Bradley. 3,263,907.

Bradley, Curtis E., to The Garrett Corp. Torque meter. 3,253,658, 5–31–66, Cl. 170—135.72.

Bradley, Edward M., to International Computers and Tabulators Ltd. Manufacture of storage devices. 3,258,752, 6–28–66, Cl. 340—174.

Bradley, Edward M., and J. B. James, to International Computers and Tabulators Ltd. Data storage apparatus. 3,252,151, 5–17–66, Cl. 340—174.

Bradley, Elihu F., E. S. Bartlett, H. R. Ogden, and R. I. Jaffee, to United Aircraft Corp. Coatings for columbium base alloys. 3,262,764, 7–26–66, Cl. 29—197.

Bradley, Elihu F., E. S. Bartlett, H. R. Ogden, and R. I. Jaffee, to United Aircraft Corp. Coatings for columbium base alloys. 3,293,068, 12–20–66, Cl. 117—69.

Bradley Elihu F., E. S. Bartlett, H. R. Ogden, and R. I. Jaffee, to United Aircraft Corp. Coatings for columbium base alloys. 3,293,069, 12–20–66, Cl. 117—69.

Bradley, George, S. Mattress depressor and auxiliary means. 3,261,034, 7–19–66, Cl. 5—317.

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Bradley, John J., to Paper Converting Machine Co., Inc. Flying-cutter apparatus with work feed compressing means. 3,288,009, 11–29–66, Cl. 83—176.

Bradley, John J., to Paper Converting Machine Co., Inc. Cartoner loader. 3,288,266, 11–29–66, Cl. 198—33.

Bradley, John J., and C. J. Sanders, to Paper Converting Machine Co., Inc. Banding apparatus. 3,236,024, 2–22–66, Cl. 53—198.

Bradley, John N., to The Budd Co. Tubeless tire wheel construction. 3,229,744, 1–18–66, Cl. 152—381.

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Quashnock, Joseph M., Bradley, and Glenapp. 3,229,872.

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Smith, Luke J., Jr. 3,276,151.

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Bradley, Ralph R. Reduction mill. 3,235,188, 2–15–66, Cl. 241—74.

Bradley, Richard D., E. C. Hoelscher, R. A. Homeier, M. L. Quinn, and I. J. Scheveling, to Emerson Electric Co. Combined lighting and air handling apparatus. 3,259,052, 7–5–66, Cl. 98—40.

Bradley, Robert O., to Toledo Scale Corp. Servo measuring system using belt drive. 3,256,486, 6–14–66, Cl. 324—99.

Bradley, Stephen D., to Macoid Industries, Inc. Method of and apparatus for joining plastic material. 3,240,648, 3–15–66, Cl. 156—304.

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Bradshaw, Betty L., R. O. Feuge, and N. V. Lovegren, to United States of America, Agriculture. Process of preparing stable triglycerides of fat forming acids. 3,270,040, 8–30–66, Cl. 260—410.7.

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Brady, Melvin M., and K. B. Mallory, to United States of America, Atomic Energy Commission. In-line wave-guide calorimeter wattmeter using spaced heat sinks and temperature measuring means therebetween. 3,229,206, 1–11–66, Cl. 324—95.

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Braithwaite, David G., to Nalco Chemical Co. Manufacture of tetramethyl lead. 3,256,161, 6–14–66, Cl. 204—59.

Braithwaite, David G., to Nalco Chemical Co. Electrochemical cell including a tubular foraminous partition. 3,287,248, 11–22–66, Cl. 204—260.

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Bramer, Donald W., to Graflex, Inc. System for triggering flashlamp. 3,288,044, 11–29–66, Cl. 95—11.5.

Bramer, John C., Jr., to Datagraphics Inc. Multicolor graphic illumination data display system. 3,283,318, 11–1–66, Cl. 340—339.

Bramley, Anthony. Fencing posts. 3,250,517, 5–10–66, Cl. 256—10.

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Bramming, Carl, to Aladdin Industries Inc. Fillers for vacuum bottles. 3,261,491, 7–19–66, Cl. 215—13.

Bramming, Carl, to Aladdin Industries Inc. Automatic flame regulator for glass forming and welding machine. 3,265,486, 8–9–66, Cl. 65—162.

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Bramson, Clive H. Surfboard propulsion device. 3,254,622, 6–7–66, Cl. 115—.5.

Bramson, Clive H. Watercraft propulsion means. 3,256,850, 6–21–66, Cl. 115—19.

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Branco, Flavio S. C., to Minnesota Mining and Mfg. Co. Phase difference speed control system. 3,268,788, 8–23–66, Cl. 318—314.

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Brand, George W., and P. Hartmann, to Hartmann Mfg. Co. Fluid pump or motor having roller vanes. 3,264,944, 8–9–66, Cl. 91—82.

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Brand, John R., and B. J. Plunkett, to Warwick Electronics Inc. Electronic vibrato device with plural manuals. 3,286,013, 11–15–66, Cl. 84—1.25.

Brand, Karl. Valve arrangement for the master cylinder of an hydraulic brake actuating system. 3,232,628, 2–1–66, Cl. 277—212.

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Brand, Robert J., to Apsco Products, Inc. Pencil sharpener. 3,227,140, 1–4–66, Cl. 120—96.

Brand, Samuel. Magnetic recording attachment. 3,245,064, 4–5–66, Cl. 340—174.1.

Brandeberry, George W. Method of removing rubber sleeves from bushings. 3,237,294, 3–1–66, Cl. 29—427.

Brandell, John R. Solenoid kicker. 3,265,940, 8–9–66, Cl. 317—165.

Brandell, John R. Ball marker. 3,282,200, 11–1–66, Cl. 101—4.

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Branders, Hans, B. Hakulin, and T. V. Eklöf, to A. Ahlstrom, Osakeyhtio. Infeed device. 3,230,866, 1–25–66, Cl. 100—53.

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Brandes, Donald J., and R. J. von Flue, to The Garrett Corp. Engine starter. 3,238,721, 3–8–66, Cl. 60—39.75.

Brandes, Eric A., and J. A. Whittaker, to National Research Development Corp. Process for the electrolytic production of chromium of a high degree of purity. 3,259,560, 7–5–66, Cl. 204—105.

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Brandi, Richard A., to Heplon, Inc. Tow stretcher. 3,266,082, 8–16–66, Cl. 18—1.

Brandli, Alexander, to Hewlett-Packard Co. Temperature compensation for cesium beam frequency standard cavity. 3,284,720, 11–8–66, Cl. 331—3.

Brandl, Wilhelm. Control switch for an electrical appliance. 3,272,942, 9–13–66, Cl. 200—122.

Brandl, Willi. Apparatus for heating at least two vessels by a single source of heat. 3,237,008, 3–1–66, Cl. 122—33.

Brandl, Willi. Pressure control valve. 3,257,521, 6–21–66, Cl. 200—61.86.

Brandl, Willi. Temperature-responsive control mechanism for heating apparatus. 3,274,360, 9–20–66, Cl. 200—122.

Brandler, Abraham B., W. C. Broderick, and J. Salkay. Ground fault detector. 3,293,497, 12–20–66, Cl. 317—18.

Brandmayr, Ronald J., A. E. Brown, S. Di Vita, and R. J. Fischer, to United States of America, Army. Method of processing ceramic-type ferroelectric materials. 3,265,787, 8–9–66, Cl. 264—56.

Brandner, Carl F.: *See*—
Bickensderfer, Marne M., and Brandner. 3,288,216.

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Stockburger, George J., Wright, and Brandner. 3,234,151.

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Brandon, Clarence W., to 5%, H. B. Jacobson, 50%, N. A. Hardin, and C. H. Newton, and H. H. Wright, jointly, and 12½%, O. B. Brandon. Method and apparatus for forming and/or augmenting an energy wave. 3,247,901, 4–26–66, Cl. 166—40.

Brandon, Clarence W., 12½% to O. B. Brandon and 50% to N. A. Hardin, C. H. Newton, and H. H. Wright, jointly. Methods and apparatus for utilizing implosive reactions in refrigeration and heat transfer processes. 3,255,601, 6–14–66, Cl. 62—115.

Brandon, Clarence W., 50%, to N. A. Hardin, C. H. Newton, and H. H. Wright, jointly and 12½%, to O. B. Brandon, Method of treating wells by use of implosive reactions. 3,255,820, 6–14–66, Cl. 166—40.

Brandon, Clarence W., 12½% to O. B. Brandon, 5% to H. B. Jacobson, 50% to N. A. Hardin, C. H. Newton, and H. H. Wright. Method and apparatus for vibratory drillings. 3,285,349, 11–15–66, Cl. 175—55.

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Brandon, Clarence W. 3,285,349.

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Brandstadter, Jack M., to Cadillac Gage Co. Linear actuator. 3,242,820, 3–29–66, Cl. 91—167.

Brandstatter, Hans G. Exothermic addition agent. 3,239,362, 3–8–66, Cl. 106—286.

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Brandt, Harry, to Chevron Research Co. Method of running a prepacked sand control liner. 3,268,001, 8–23–66, Cl. 166—12.

Brandt, Harry, H. R. Hazard, J. D. Hummell, and E. J. Schuls, to Chevron Research Co. Downhole burner for wells. 3,241,615, 3–22–66, Cl. 166—59.

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Brandt, Herbert. Electrostatic precipitators. 3,274,753, 9–27–66, Cl. 55—111.

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Brandt, Thomas F., to General Electric Co. Electric fuse element having cooling tabs. 3,287,526, 11–22–66, Cl. 200—120.

Brandts, Theodorus G., D. E. Helleur, R. M. Hopkins, and J. A. Lichtenberger, to Consolidated Paper (Bahamas) Ltd. Method for treatment of barking waste. 3,254,847, 6–7–66, Cl. 241—24.

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Brannock, Kent C., and H. E. Davis, to Eastman Kodak Co. Process and intermediates for manufacture of 2-(dialkylmethyl)-5-alkyl-2-cyclohexen-1-ones. 3,287,372, 11–22–66, Cl. 260—345.9.

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Brastad, William A., to General Mills, Inc. Conveying and separating apparatus and process. 3,291,302, 12–13–66, Cl. 209—12.

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Brastins, Auseklis, to Westinghouse Electric Corp. Carry restoring circuitry. 3,278,735, 10–11–66, Cl. 235—175.

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Braswell, Aubrey; 25% to R. O. Williams. Advertising mechanism. 3,273,269, 9–20–66, Cl. 40—34.

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Bratz, Otto J., to American Chain & Cable Co. Push-pull cable. 3,258,990, 7–5–66, Cl. 74—501.

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Brauchla, Herbert C. Method of forming screw strip. 3,284,-825, 11–15–66, Cl. 10—10.

Brauchla, Herbert C., and P. P. Ruminsky; said Ruminsky assor. to said Brauchla. Mobile apparatus for vibratory combing. 3,250,390, 5–10–66, Cl. 209—252.

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Brauer, Hans, and G. Schmittert, to Kieserling & Albrecht. Forging machines. 3,263,478, 8–2–66, Cl. 72—402.

Brauer, Joseph B., to United States of America, Air Force. Method of fabrication of a microwave delay line. 3,262,-769, 7–26–66, Cl. 65—105.

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Brault, James W., to Princeton Applied Research Corp. Frequency responsive network. 3,270,213, 8–30–66, Cl. 307—88.5.

Brault, Yves, R. Carre, and R. Cheminant, to Compagnie Generale de Telegraphie Sans Fil. Pulse stretching and compression methods and systems. 3,290,679, 12–6–66, Cl. 343—17.2.

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Braun, Anton. Free piston machine. 3,255,742, 6–14–66, Cl. 123—46.

Braun, Artur, to Braun Aktiengesellschaft. Optical projector with transverse flow blower and compartmentalized housing. 3,250,175, 5–10–66, Cl. 88—24.

Braun, Artur, and G. Voigt, to Braun Aktiengesellschaft. Driving device for kitchen utensils and tools. 3,279,265, 10–18–66, Cl. 74—16.

Braun, Bernard. Merchandising cart. 3,240,507, 3–15–66, Cl. 280—47.35.

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Braun, Charles G., and G. H. Howing, to The Gleason Works. Work chucking apparatus for tooth cutting machine or the like. 3,234,851, 2–15–66, Cl. 90—1.

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Braun, Ernst, and J. Sagerschnig, to Patentauswertung Vogelbusch Gesellschaft m.b.H. Method for controlling the fermentative oxidation of alcohol to acetic acid. 3,252,870, 5–24–66, Cl. 195—49.

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Speranza, Peter A., and Braun. 3,247,561.

Braun, Gerhard, to Siemens & Halske Aktiengesellschaft. Logarithmic periodic antenna having gradient, relative to ground plane, varying along length of antenna. 3,287,731, 11–22–66, Cl. 343—792.5.

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Braun, Paul E., and A. A. Pruchno, to Ford Motor Co. Automatic choke mechanism. 3,250,377, 7–5–66, Cl. 261—39.

Braun, Paul E., and A. A. Pruchno, to Ford Motor Co. Automatic choke mechanism. 3,263,972, 8–2–66, Cl. 261—39.

Braun, Paul E., R. J. Freismuth, and A. A. Pruchno, to Ford Motor Co. Constant metering force carburetor. 3,263,974, 8–2–66, Cl. 261—39.

Braun, Paul E., A. A. Pruchno, and R. J. Freismuth, to Ford Motor Co. Constant metering force carburetor. 3,281,130, 10–25–66, Cl. 261—39.

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Braun, Robert A., to E. I. du Pont de Nemours and Co. Coating compositions comprising a vinyl cyclic acetal, a metallic drier and a molecular sieve. 3,258,439, 6–28–66, Cl. 260—23.5.

Braun, Robert A., to E. I. du Pont de Nemours and Co. Metal chelates containing perhaloalkyl groups. 3,272,853, 9–13–66, Cl. 260—438.1.

Braun, Robert A., to E. I. du Pont de Nemours and Co. Pentasubstituted guanidines containing cyano groups. 3,274,230, 9–20–66, Cl. 260—465.5.

Braun, Robert A., to E. I. du Pont de Nemours and Co. Coating compositions comprising substituted guanidine drying accelerators. 3,275,463, 9–27–66, Cl. 106—287.

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Braun, Samuel, to B.C.N. Design Products Inc. Molded plastic container. 3,254,787, 6–7–66, Cl. 220—31.

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Braun, William J. Variable speed transmission. 3,279,274, 10–18–66, Cl. 74—351.

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Braunwarth, John B., to Union Oil Co. of California. Preparation of halo and alkyl-thio substituted allyl esters. 3,272,856, 9–13–66, Cl. 260—488.

Braunwarth, John B., and W. L. Fierce, to Union Oil Co. of California. 2,4,6-triaryl-1,3,5-triazines in ultraviolet light absorption method and coating composition. 3,238,138, 3–1–66, Cl. 252—300.

Braunwarth, John B., C. Rai, and R. C. Kimble, to Union Oil Co. of California. Inhibiting corrosion of copper-and zinc-containing metals in contact with aerated solutions of polyphosphate salts. 3,252,914, 5–24–66, Cl. 252—137.

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Brautovich, John J., to Powerfile. Storage and retrieval apparatus. 3,290,104, 12–6–66, Cl. 312—194.

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Brawner, Carl N.: *See*—
De Pierri, William G., Jr., and Brawner. 3,285,900.

Bray, Ben G.: *See*—
Mason, Harold F., and Bray. 3,240,694.
Mason, Harold F., and Bray. 3,243,367.

Bray, Bruce G., and G. W. Swift, to Continental Oil Co. Separation of H_2S from hydrocarbon in a gas-solid system. 3,290,890, 12–13–66, Cl. 62—12.

Bray, Bruce G., and G. W. Swift, to Continental Oil Co. Low temperature separation of HS from hydrocarbon gas. 3,292,382, 12–20–66, Cl. 62—23.

Bray, Frederick H., and F. Ambrosino, to International Standard Electric Corp. Electrical pulse arrangements. 3,260,800, 7–12–66, Cl. 179—9.

Bray, Geo., & Co. Ltd.: *See*—
Westerman, Albert, and Harrison. 3,270,967.

Bray, John R., and O. J. Locke, to Monsanto Co. Solid state anticipating temperature controller. 3,240,916, 3–15–66, Cl. 219—501.

Bray, John R., J. L. Marshall, Jr., T. W. McGlaughlin, G. B. Price, and R. D. Taylor, to Monsanto Co. Yarn winding control apparatus. 3,241,779, 3–22–66, Cl. 242—18.1.

Bray Oil Co.: *See*—
Bray, Ulric B., and Voorhees. 3,258,426.
Voorhees, Vanderveer. 3,262,880.

Bray, Robert S., to Copper Range Co. Dispersion hardened materials and processes therefor. 3,240,592, 3–15–66, Cl. 75—135.

Bray, Ulric B., and V. Voorhees, to Bray Oil Co. Dispersing colloidal carbonates in oils. 3,258,426, 6–28–66, Cl. 252—33.

Bray, Walter J., Jr., to Monsanto Co. Spray-dried vinyl acetate dibutyl malente copolymer, with pigment, thickener, dispersing agent and plasticizer. 3,287,290, 11–22–66, Cl. 260—17.

Braye, Emile H.: *See*—
Hubel, Karl W., and Braye. 3,280,017.

Brayley, Elwin J., and T. E. Swift, to Globe-Union Inc. Voltage regulator. 3,247,443, 4–19–66, Cl. 320—68.

Brayman, Jacob, to Barogenics, Inc. High pressure apparatus. 3,231,935, 2–1–66, Cl. 18—16.

Brayman, Jacob, M. B. Komorn, and A. Zeitlin, to Barogenics, Inc. Apparatus subjected to large tonnage loads and/or high pressures. 3,278,993, 10–18–66, Cl. 18—34.

Braymer, Noel B., to Beckman Instruments, Inc. Wide band amplifier. 3,234,478, 2–8–66, Cl. 330—9.

Brayton, Lawrence R. Brake failure warning device. 3,251,-032, 5–10–66, Cl. 340—60.

Brazee, John A., to Whitney Blake Co. Method and apparatus for locating faults in electrical cable lines by comparing the impedance of the entire faulted line to the impedance of a section of the line. 3,234,459, 2–8–66, Cl. 324—52.

Brazee, John A., to Whitney Blake Co. Location of cable faults by comparing a section of the faulted cable with a part of the section. 3,248,646, 4–26–66, Cl. 324—52.

Brazell, Douglass L., B. E. Greenfield, and H. W. Barber, to Phillips Petroleum Co. Natural gas separation with refrigerant purification. 3,274,102, 9–20–66, Cl. 208—341.

Brazelton, William C.: *See*—
Schroer, Carl E., and Brazelton. 3,284,147.

Brazier, Peter H.: *See*—
Frankel, Adolf, and Brazier. 3,238,729.

Brazill, Jack E., R. W. Lintner, and M. Kirkpatrick, to Bethlehem Steel Co. Refractory bottom for open hearth furnace. 3,282,580, 11–1–66, Cl. 263—46.

Brazzoduro, Vincenzo: *See*—
Borgia, Alcibiade, and Brazzoduro. 3,227,159.

Bre, Michel, and G. Ferault, to Compagnie de Saint-Gobain. Bearing. 3,257,317, 6–21–66, Cl. 252—12.

Breakspear, Francis B., to The British Oxygen Co. Ltd. Apparatus for practising and teaching expired air artificial respiration. 3,274,705, 9–27–66, Cl. 35—17.

Brealey, Graham J., to Courtaulds Ltd. Production of polymer solutions. 3,274,140, 9–20–66, Cl. 260—29.6.

Brean, John, to D. H. Baldwin Co. Optical encoder. 3,281,-830, 10–25–66, Cl. 340—347.

Brearton, Denis S., to Atomic Energy of Canada Ltd. Preparation of dense uranium oxide. 3,258,317, 6–28–66, Cl. 23—355.

Breault, Ernest R. Trash bin with fork arm latching dogs. 3,270,902, 9–6–66, Cl. 214—302.

Breazeale, Jack D., C. F. Parks, and R. V. Wright, to Olin Mathieson Chemical Corp. High energy fuel composition containing polybutadiene and borane. 3,266,958, 8–16–66, Cl. 149—19.

Brebant, Charles, to Commissariat a L'Energie Atomique. Dimensional inspection bench for parts having cylindrical bodies. 3,264,741, 8–9–66, Cl. 33—172.

Brebner, James: *See*—
Stephens, Allan, and Brebner. 3,249,979.

Brebner, John P. Compaction device. 3,233,530, 2–8–66, Cl. 94—50.

Brech, Kilian H., D. P. Relyea, and R. L. Uphoff. Ultrasonic inspection apparatus. 3,287,962, 11–29–66, Cl. 73—67.9.

Brechlin, Alfred: *See*—
Fuchs, Otto, Deubel, Brechlin, Bühner, and Feess. 3,275,-401.

Brechling, George E., to Electro-Mechanical Research, Inc. A.C. to D.C. converters. 3,275,941, 9–27–66, Cl. 329—101.

Brechtel, Hans, S. D. Lapham, H. L. Knutson, and L. C. Tompkins, to Electro-Coating Inc. Polarity reversing switch. 3,265,846, 8–9–66, Cl. 200—158.

Bredberg, Sven J. H., to Carl Munters & Co. Contact bodies for liquid and gas. 3,262,682, 7–26–66, Cl. 261—29.

Brede, Alexander, III, L. J. Maher, C. E. Schalla, and E. E. Tuttle, to Motor Wheel Corp. Electric brake mechanism. 3,244,259, 4–5–66, Cl. 188—138.

Brede, Robert G., ½ to C. A. Aagesen. Standoff rod and bracing means for electric cables or the like. 3,240,863, 3–15–66, Cl. 174—45.

Bredemeier, Horst: *See*—
Thaeter, Hans, and Bredemeier. 3,228,534.

Bredemeier, Horst, to Atlas-Werke AG. Swing loading gear, particularly for use on ships. 3,237,782, 3–1–66, Cl. 212—66.

Brederhoff, Gunther E. Metering and mixing pump. 3,256,-821, 6–21–66, Cl. 103—7.

Bredon, Alan D., to Spacelabs, Inc. Ear-insert microphone. 3,258,533, 6–28–66, Cl. 179—1.

Bredow, Walter. Overload stamping device for pull or push drives, particularly in stamping presses. 3,283,610, 11–8–66, Cl. 74—582.

Bredt, James H.: *See*—
Kendall, Louis F., Jr., and Bredt. 3,268,330.

Bredthauer, Raymond O., to Hughes Tool Co. Mining machine with pivotally mounted and opposed elongated cutters. 3,290,095, 12–6–66, Cl. 299—57.

Bredtschneider, Kurt B., to Crane Co. Segmental disc stem connection for valves. 3,265,351, 8–9–66, Cl. 251—88.

Bredtschneider, Kurt B., to Crane Co. Torque plate for valves. 3,282,559, 11–1–66, Cl. 251—327.

Bredtschneider, Kurt B., and J. A. Englert, to Crane Co. Adaptor for valve actuating means. 3,228,258, 1–11–66, Cl. 74—424.8.

Bredtschneider, Walter, to Siemens-Schuckertwerke Aktiengesellschaft. Partition for boiler firing chamber. 3,292,-597, 12–20–66, Cl. 122—240.

Breed, Arie E., and G. L. Myers, to Deere & Co. Crop chopper knife. 3,261,151, 7–19–66, Cl. 56—294.

Breed, Florence O. Baby-training protector. 3,251,072, 5–17–66, Cl. 4—239.

Breeding, Milton F., to Texas Instruments Inc. Extractor devices for semiconductor networks and the like. 3,232,158, 2–1–66, Cl. 83—140.

Breedlove, Robert H.: *See*—
Luebbe, John W., Jr., and Breedlove. 3,229,263.

Breedlove, Shirley S.: *See*—
Luebbe, John W., Jr., and Breedlove. 3,229,263.

Breen, Alvin L., and H. G. Lauterbach, to E. I. du Pont de Nemours and Co. Coherent bulky yarn and process for its production. 3,251,181, 5–17–66, Cl. 57—140.

Breen, Alvin L., and M. V. Sussman, to E. I. du Pont de Nemours and Co. Torque jet stretch yarn process. 3,279,-164, 10–18–66, Cl. 57—157.

Breen, Charles, R. E. Watson, Jr., and S. B. Weinberg, to Bell Telephone Laboratories, Inc. Equipment for occasional telephone answering-service systems. 3,253,089, 5–24–66, Cl. 179—27.

Breer, Karl: *See*—
Weinbrenner, Erwin, Hoppe, and Breer. 3,230,047.

Breer, Karl, to Farbenfabriken Bayer Aktiengesellschaft. Mixing apparatus. 3,263,966, 8–2–66, Cl. 259—4.
Breer, Karl, and H. Kisteneich, ½ to Farbenfabriken Bayer Aktiengesellschaft, and ½ to Karl Hennecke Maschinenfabrik. Mixing apparatus. 3,229,962, 1–18–66, Cl. 259—7.
Breer, Karl, E. Weinbrenner, and P. Hoppe, to Farbenfabriken Bayer Aktiengesellschaft. Mixing head for the production of plastics. 3,245,661, 4–12–66, Cl. 259—4.
Breese, Lemuel R.: *See*—
Whepley, Gordon E., Bartoseski, Breese, and Hinkle. 3,237,186.
Breeze Corp., Inc.: *See*—
Walsh, Ralph E. 3,250,563.
Walsh, Ralph E., and Lakin. 3,290,013.
Bregman, George J., to The Foundry Equipment Co. Door closure means for industrial ovens and the like. 3,257,976, 6–28–66, Cl. 110—173.
Breher, Rudolf, to F. Stubbe. Method of manufacturing rotary valves. 3,271,845, 9–13–66, Cl. 29—157.1.
Brehm, Howard E., Jr.: *See*—
Lannert, James W., and Brehm. 3,260,300.
Breil, Heinz: *See*—
Ziegler, Karl, Breil, Holzkamp, and Martin. 3,231,515.
Ziegler, Karl, Breil, Holzkamp, and Martin. 3,257,332.
Breil, Werner to Bremshey & Co. Collapsible umbrella frame. 3,245,422, 4–12–66, Cl. 135—26.
Breimer, Hendrik: *See*—
Cornelissen, Bernardus H. J., and Breimer. 3,283,064.
Breimer, Hendrik, to North American Philips Co., Inc. Circuit arrangement for separating two signals from a composite signal. 3,248,478, 4–26–66, Cl. 178—5.4.
Breiner, Arthur C., and E. G. Sartelle, to International Business Machines Corp. Apparatus and method of contact conditioning. 3,267,302, 8–16–66, Cl. 307—137.
Breiner, Sheldon: *See*—
Ruddock, Kenneth A., Slack, and Breiner. 3,263,161.
Breit Engineering Inc.: *See*—
Breit, Hjalmar E., Jr. 3,280,779.
Breit Hjalmar E., Jr., to Breit Engineering Inc. Waterborne freight-carrying vehicles. 3,280,779, 10–25–66, Cl. 114—74.
Breit, John N.: *See*—
Charne, Charles, and Breit. 3,294,042.
Breitbarth, William W., J. W. Carter, P. J. Costa, and J. F. Lauterbach, to Caterpillar Tractor Co. Automatic blade control for a road grader with a blade simulator mounted in a ball and socket connection. 3,229,391, 1–18–66, Cl. 37—156.
Breitenbach, Johann W., and H. Edelhauser, to Dr. W. H. Kreidl. Graft copolymers. 3,247,174, 4–19–66, Cl. 260—885.
Breitenstein, Charles T., to Automatic Canteen Co. of America. Selector switch mechanism for vending machines. 3,243,080, 3–29–66, Cl. 221—125.
Breitenstein, Charles T., and A. A. Tobias, to Rock-Ola Mfg. Corp. Packet dispensing mechanism. 3,228,553, 1–11–66, Cl. 221—6.
Breitfuss, Thomas K.: *See*—
Gourlie, Larry C., Cowell, and Breitfuss. 3,262,175.
Breivik, Orville N., W. Siupatchuk, R. J. Carbonell, and G. Weiss, to Standard Brands Inc. Instant pudding composition containing an acetylated monoglyceride of a higher fatty acid. 3,231,391, 1–25–66, Cl. 99—139.
Breivogel, Henry J.: *See*—
Amthor, Franklin R., Jr., Breivogel, Hoenle, Kanitz, and Katzfey. 3,273,517.
Breivogel, Philip J.: *See*—
Miskel, John J., Breivogel, and Etlinger. 3,247,067.
Miskel, John J., Breivogel, and Etlinger. 3,257,361.
Brejcha, Harold A.: *See*—
Lefevre, Lloyd E., and Brejcha. 3,263,540.
Brekne, Sigbjorn A., to Sperry Rand Corp. Time-limited switching for word-organized memory. 3,274,570, 9–20–66, Cl. 340—174.
Brelic International Inc.: *See*—
Ancet, Victor M. J., and Fayolle. 3,258,038.
Ancet, Victor M. J., and Fayolle. 3,282,303.
Brembeck, Howard S., to Brock Mfg. Inc. Feed distributing apparatus. 3,252,562, 5–24–66, Cl. 198—64.
Bremer, Allen R., to The Boeing Co. Dual valve, dual element fluid filter assembly. 3,270,884, 9–6–66, Cl. 210—90.
Bremer, Allen R., and H. W. Hallesy, to The Boeing Co. Adhesive passage plugs. 3,240,379, 3–15–66, Cl. 220—24.5.
Bremer, Georg F., to Dymo Industries, Inc. Embossing machine having tape drive roll engagement responsive to tape magazine. 3,255,860, 6–14–66, Cl. 197—6.7.
Bremer, Georg F., to Dymo Industries, Inc. Embossing tool with cutting means between embossing station and tape supply. 3,277,992, 10–11–66, Cl. 197—6.7.
Bremer, Georg F., to Dymo Industries, Inc. Device for fabricating composite contrast color embossed displays. 3,280,684, 10–25–66, Cl. 83—522.
Bremer, Georg F., to Dymo Industries, Inc. Embossing tool for selectively accommodating material of different sizes. 3,288,259, 11–29–66, Cl. 197—6.7.
Bremer, Georg F., and D. H. Pedersen, to Dymo Industries, Inc. Variable spacer arrangement for embossing tool. 3,263,790, 8–2–66, Cl. 197—6.7.
Bremer, Georg F., and A. Massen, to Dymo Industries, Inc. Desk model embosser having full cycle means. 3,280,954, 10–25–66, Cl. 197—6.7.
Bremer, John W.: *See*—
Newhouse, Vernon L., Bremer, and Edwards. 3,280,337.
Bremer, John W., and V. L. Newhouse, to General Electric Co. Cryogenic electronic memory unit. 3,271,592, 9–6–66, Cl. 307—88.5.
Bremer Mfg. Co.: *See*—
Budd, Alfred N. 3,258,797.
Bremische Spannbetonwerke Hillmoun & Co.: *See*—
Siedenhans, Alfons. 3,256,694.
Bremmer, Bart J., to The Dow Chemical Co. Halogen-containing thermosetting epoxy resin. 3,294,742, 12–27–66, Cl. 260—47.
Bremmer, Robert A.: *See*—
Robinson, Richard D., Belt, and Bremmer. 3,251,044.
Brems, John H. Torch mount for welding. 3,253,117, 5–24–66, Cl. 219—130.
Bremshey & Co.: *See*—
Breil, Werner. 3,245,422.
Langer, Alfred. 3,285,562.
Weber, Heinz. 3,234,954.
Weber, Heinz. 3,244,187.
Brendes, Horst, and J. Fuchs, to Teldix Luftfahrt-Ausuestungs G.m.b.H. Circuit arrangement. 3,286,254, 11–15–66, Cl. 340—347.
Brendon, John E., to Shell Oil Co. Method and device for monitoring and simulating operation of blending apparatus. 3,259,141, 7–5–66, Cl. 137—3.
Brenegan, Phillip C., to United States of America, Air Force. Gam 72 simulator. 3,242,593, 3–29–66, Cl. 35—12.
Breneman, Edwin J.: *See*—
Bartleson, Christian J., Breneman, and MacAdam. 3,270,451.
Breneman-Hartshorn, Inc.: *See*—
Anderson, James A. 3,248,899.
Anderson, James A., and Carroll. 3,246,685.
Breneman, James C. Dispensing device for tilting container. 3,254,809, 6–7–66, Cl. 222—442.
Brengman, Fred C. and K. C., to The Malta Mfg. Co. Divided light windows. 3,254,465, 6–7–66, Cl. 52—455.
Brengman, Keith C.: *See*—
Brengman, Fred C. and K. C. 3,254,465.
Brenman, Henry S. Dental cleaning apparatus. 3,261,078, 7–19–66, Cl. 250—36.
Brennan, Bernice B. Safety devices. 3,294,299, 12–27–66, Cl. 224—28.
Brennan, Francis P. Dexterous hanger bar and container. 3,270,865, 9–6–66, Cl. 206—7.
Brennan, George A.: *See*—
Prichard, Evan S., and Brennan. 3,246,884.
Brennan, George A. Adhesive applicator crayon. 3,267,052, 8–16–66, Cl. 260—5.
Brennan, George A., and E. S. Prichard, to Challenge-Cook Bros., Inc. Transit mixer weight distribution relief device. 3,240,477, 3–15–66, Cl. 259—177.
Brennan, James A., and J. W. Schick, to Mobil Oil Corp. High temperature lubricating oils. 3,280,031, 10–18–66, Cl. 252—49.8.
Brennan, James H., and MacMaster, to Emhart Corp. Display case. 3,289,432, 12–6–66, Cl. 62—256.
Brennan, James J., Jr.: *See*—
Kraus, Gerard, and Brennan. 3,238,187.
Brennan, Martin J.: *See*—
Perlinsky, Anthony A., Fay, and Brennan. 3,264,739.
Breunan, Thomas J., to Titan Corp. Fluid pressure servo operated valve. 3,245,650, 4–12–66, Cl. 251—45.
Brenneisen, Udo, G. Heyl, and H. Marusczyk, to Agfa Aktiengesellschaft. Developing apparatus. 3,245,381, 4–12–66, Cl. 118—637.
Brenneisen, Udo, G. Heyl, and H. Marusczyk, to Farbenfabriken Bayer Aktiengesellschaft. Developing device. 3,292,572, 12–20–66, Cl. 118—1.
Brenneke, Arthur M., to Laboratory Equipment Corp. Vehicle dynamometer. 3,277,702, 10–11–66, Cl. 73—117.
Brenneman, Theron F.: *See*—
Hagerty, Andrew T., Wilson, Brenneman, and Miller. 3,291,193.
White, William E., and Brenneman. 3,254,461.
Brennen, Ronald F.: *See*—
Bucci, James A., and Brennen. 3,244,854.
Brenner, Bert, to J. and R. Cohn. Beryllium-gold alloy and article made therefrom. 3,272,625, 9–13–66, Cl. 75—165.
Brenner, Carl M., and H. R. Rickenbacher, to Geigy Chemical Corp. Process for the preparation of L-α-amino-E-caprolactam and intermediate therefor. 3,275,619, 9–27–66, Cl. 260—239.3.
Brenner, Charles: *See*—
Cirino, John F., and Brenner. 3,238,551.
Cirino, John F., and Brenner. 3,271,803.
Cirino, John F., and Brenner. 3,281,877.
Brenner, Ewald, and E. Erhart. Salvage saw apparatus. 3,283,637, 11–8–66, Cl. 83—432.
Brenner, Julius, and A. L. White, to Trans-World Raysol Ltd. Filter tipped cigarettes. 3,279,475, 10–18–66, Cl. 131—10.
Brenner, Max, to Ciba Corp. Process for the manufacture of peptide hydrazides. 3,250,760, 5–10–66, Cl. 260—112.5.
Brenner, Millard M., and J. F. Sibley, to General Atronics Corp. Mechanical apparatus and method. 3,236,375, 2–22–66, Cl. 209—108.
Brenner, Morris. Electrically heated hand tool. 3,264,449, 8–2–66, Cl. 219—227.

Brenner, Mortimer W., to Schwarz Laboratories, Inc. Method and composition for stabilizing fermented beverages. 3,251,693, 5–17–66, Cl. 99—48.
Brenner, Mortimer W., to United States of America, Agriculture. Foam improvement composition in malt beverages. 3,266,902, 8–16–66, Cl. 99—48.
Brenner, Murry J. Means for fastening or securing in closed position, hand containers, particularly portfolio or courier cases. 3,294,135, 12–27–66, Cl. 150—1.6.
Brenner, Robert A., C. A. Cobb, and C. A. Orr, to Whirlpool Corp. Control for wringer rolls. 3,270,533, 9–6–66, Cl. 68—244.
Brenner, William, 15% to J. P. Malone. Vehicle speed indicator means. 3,229,249, 1–11–66, Cl. 340—32.
Brenner, William, and S. Koslow. Sorting means. 3,246,751, 4–19–66, Cl. 209—111.5.
Brenner, William C., to Westinghouse Electric Corp. Magnetic flux producing arrangement. 3,260,868, 7–12–66, Cl. 310—11.
Brenner, William C., and I. Tuba, to Westinghouse Electric Corp. Magnetohydrodynamic generating system. 3,280,349, 10–18–66, Cl. 310—11.
Brenner, Wolfgang: *See*—
Völler, Rolf, Brenner, and Focke. 3,241,395.
Brennon, Ralph S. Delayed alarm system with coded location signal operable to alarm despite faults in signal transmission to remote station. 3,233,232, 2–1–66, Cl. 340—226.
Brent, Bernard J.: *See*—
Sigal, Max V., Jr., Brent, and Marchini. 3,232,945.
Brent, Herbert E.: *See*—
Adams, George P., and Brent. 3,230,608.
Brent, Herbert E., to Western Electric Co., Inc. Apparatus for securing conductors and contactors. 3,252,644, 5–24–66, Cl. 228—13.
Brent, Jewell A., C. W. DuBois, and C. F. Huffman, to The Coca-Cola Co. Essence recovery. 3,248,233, 4–26–66, Cl. 99—205.
Brent, Robert G., and C. W. Bowen, to Bell Aerospace Corp. Hydraulic brake. 3,228,195, 1–11–66, Cl. 60—54.6.
Brentzek, Siegfried: *See*—
Körner, Otto, and Brentzek. 3,266,853.
Brequet, Louis, Societe Anonyme des Ateliers d'Aviation: *See*—
Ricard, Armand G. 3,292,881.
Bresch, Sterling P. Snow pusher having equalizer guide scraper tongue member. 3,260,002, 7–12–66, Cl. 37—53.
Bresenoff, Stanley W., and F. H. Gardner, to North American Aviation, Inc. Electronic gain-scheduling apparatus. 3,237,107, 2–22–66, Cl. 328—1.
Bresk, Frank C., R. P. Gray, and M. A. Lipp, to Monterey Research Laboratory, Inc. Shock testing apparatus. 3,226,974, 1–4–66, Cl. 73—12.
Bresk, Frank C., and R. P. Gray, to Monterey Research Laboratory, Inc. Shock programmer. 3,228,672, 1–11–66, Cl. 267—1.
Bresler, Aaron D., to United States of America, Army. Broad-band antenna feed. 3,266,044, 8–9–66, Cl. 343—792.5.
Bresler. Sidney A., to Chemical Construction Corp. Removal of acid gases from gas streams. 3,288,557, 11–29–66, Cl. 23—2.
Breslin, John J., to Beamco, Inc. Electrical connector for wires subject to flexing. 3,258,553, 6–28–66, Cl. 200—51.
Breslin, John P., to United States of America, Navy. Marine propeller assembly. 3,228,477, 1–11–66, Cl. 170—160.25.
Breslin, Mary A.: *See*—
Cogar, George R., Breslin, and Schmitt. 3,239,809.
Moore, Mary L., Breslin, and Schmitt. 3,248,703.
Breslin, Mary A., M. L. Moore, W. F. Schmitt, A. Tonik, W. J. Turanski, deceased (by M. K. Turanski, administratrix), to Sperry Rand Corp. Computer indexing system. 3,239,816, 3–8–66, Cl. 340—172.5.
Breslove, Joseph, Jr.: *See*—
Richardson, Alan H., and Breslove. 3,241,581.
Breslow, David S., to Hercules Inc. Modified vinyl chloride polymers. 3,261,786, 7–19–66, Cl. 260—2.5.
Breslow, David S., to Hercules Inc. Polyolefins of improved light stability and dye receptivity containing chromium phenolates. 3,275,595, 9–27–66, Cl. 260—45.75.
Breslow, David S., to Hercules Inc. Modifying polymers. 3,284,421, 11–8–66, Cl. 260—80.5.
Breslow, David S., and H. M. Spurlin, to Hercules, Inc. Modifying hydrocarbon polymers with poly(diazo) compounds. 3,274,166, 9–20–66, Cl. 260—85.1.
Bressan, Ferruccio, to I. Irwin Lubowe. Attachment for internal combustion engines for reducing noxious gases in the exhaust. 3,294,073, 12–27–66, Cl. 123—119.
Bressan, Giancarlo: *See*—
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Bresson, Clarence R.: *See*—
Louthan, Rector (P., Bresson, Louthan, and Cobb. 3,257,301.
Brestel, Clarence C., and H. R. Maschinot, to The Printing Machinery Co. Die cutting machines for labels and the like. 3,290,977, 12–13–66, Cl. 83—467.
Bretford Mfg., Inc.: *See*—
Petrick, Edward J. 3,265,346.
Bretherick, Edmund, to Associated Electrical Industries Ltd. Body locating assemblies. 3,246,772, 4–19–66, Cl. 214—1.
Breting, Ulysses A.: *See*—
Tuck, Robert M., and Breting. 3,256,751.
Breting, Ulysses A., and M. D. Smith, to General Motors Corp. Transmission. 3,264,902, 8–9–66, Cl. 74—764.
Bretl, Robert J.: *See*—
Ballauer, Alb C., and Bretl. 3,253,474.
Bretsch, Michael A., to Champion Spark Plug Co. Spark plug with insulator nose spaced from center electrode. 3,256,457, 6–14–66, Cl. 313—141.
Bretschneider, Erich, to Friedrich Kocks. Rolling-mill stand with exchangeable rolls. 3,234,769, 2–15–66, Cl. 72—238.
Bretschneider, Gunther, P. Kuzel, H. Pistor, and F. Sperr, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for granulation of perborate. 3,227,790, 1–4–66, Cl. 264—117.
Bretschneider, Hermann, E. Fitz, and W. Klotzer, to Hoffmann-La Roche Inc. Process for preparing 3-aminoisoxazoles. 3,242,189, 3–22–66, Cl. 260—307.
Bretschneider, Hermann, and W. Richter, to Hoffmann-La Roche Inc. Novel pyrimidine sulfanilamides and processes for their preparation. 3,249,603, 5–3–66, Cl. 260—239.75.
Brett, Herbert, and H. G. Kosmahl, to United States of America, Army. Phase-shift amplifier with cyclotron wave modulation of pump energy. 3,230,466, 1–18–66, Cl. 330—10.
Brette, Alfred J. M., to Compagnie des Compteurs. Oscillating disc liquid meter. 3,289,476, 12–6–66, Cl. 73—258.
Brette, Yves-Jean F., to Compagnie de Machines Bull (Societe Anonyme). Bistable electric device. 3,250,921, 5–10–66, Cl. 307—88.5.
Brettenstein, Charles T., and N. A. Gecewicz, to Automatic Canteen Co. of America. Conveyor belt construction for vending machines. 3,258,109, 6–28–66, Cl. 198—154.
Bretthauer, Hermann, and H. Hamm, to Rollei-Werke Franke & Heidecke. Twin-lens reflex focusing device. 3,253,527, 5–31–66, Cl. 95—44.
Bretti, Franco, to Ing. C. & C. Olivetti, S.p.A. High speed serial printing device. 3,256,969, 6–21–66, Cl. 197—49.
Brettner, Richard W. Bracket for receiving, holding and locking an elongated post member to the bracket. 3,265,342, 8–9–66, Cl. 248—188.
Bretveld, Frank, and M. Romein. Bulb digging and separating apparatus. 3,237,699, 3–1–66, Cl. 171—18.
Bretz, John, to The Lubrizol Corp. Corrosion-proofing composition. 3,241,983, 3–22–66, Cl. 106—14.
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Gaeth, Rudolf, Schmitt, and Breu. 3,255,559.
Breuer, Eduardo A. Fluid conveyer, such as a vacuum pump or a compressor. 3,241,741, 3–22–66, Cl. 230—79.
Breuer, Karl, to Demag Aktiengesellschaft. Transmission gear wheel and method of manufacture. 3,226,996, 1–4–66, Cl. 74—421.
Breuer, Karl, to Demag Aktiengesellschaft. Axially tiltable ball coupling. 3,245,227, 4–12–66, Cl. 64—8.
Breuer, Karl, to Demag Aktiengesellschaft. Offset gearing. 3,262,331, 7–26–66, Cl. 74—412.
Breuer, Karl, to Demag Aktiengesellschaft. Planetary gear construction. 3,289,488, 12–6–66, Cl. 74—410.
Breuer, Karl, and C. Kronert; said Breuer assor. to Demag Aktiengesellschaft. Gear constructions. 3,244,020, 4–5–66, Cl. 74—411.
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Breuer, Wolfgang, to Maschinenfabrik Reinhausen Gebruder Scheubeck K.G. Transfer switch for tap changers for regulating transformers. 3,254,296, 5–31–66, Cl. 323—43.5.
Breuers, Theo P. C., to Chemische Fabriek L van der Grinten N.V. Apparatus for cutting strip material into sheets. 3,242,784, 3–29–66, Cl. 83—210.
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Chave, Paul, and Breuille. 3,236,300.
Breuning, Robert. Counter sinking and burr-removing tool. 3,248,975, 5–3–66, Cl. 77—73.5.
Breuning, Robert. Boring or internal threading tool. 3,250,154, 5–10–66, Cl. 77—58.
Breuning, Robert. Exchangeable tool bit. 3,271,842, 9–13–66, Cl. 29—96.
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Breverman, David, to Mark-Fast Marking System, Inc. Stencil with barrier layer between the stencil and the adhesive. 3,270,666, 9–6–66, Cl. 101—128.2.
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Brewster, Arthur E., B. S. Mason, and G. R. Pearce, to International Standard Electric Corp. Clutch apparatus. 3,280,947, 10–25–66, Cl. 192—26.

Brewster, Gordon F., to Bausch & Lomb Inc. Ophthalmic segment glass compositions. 3,281,255, 10–25–66, Cl. 106—54.

Brewster, R. Jack, J. Sutherlin, E. A. Ernst, and E. N. Alderman, Jr., to The Dow Chemical Co. Low fluid loss composition and method of use. 3,251,769, 5–17–66, Cl. 252—8.55.

Brewster, Sidney S. Method of making a self-aligning rod end bearing. 3,248,776, 5–3–66, Cl. 29—149.5.

Brewton, Lee, and J. Kristich, to First National Bank of Venice. Coin controlled dispenser latch unit. 3,253,690, 5–31–66, Cl. 194—54.

Brey, Wilhelm, to The Firestone Tire & Rubber Co. Tire building apparatus. 3,237,199, 2–22–66, Cl. 156—398.

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Brian, Kleber D., B. Jones, and H. A. O'Neal, ¼ to L. M. Clark. Sizing, grading and sorting device for thin skin vegetables or fruits. 3,270,880, 9–6–66, Cl. 209—73.

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Bricaud, Joseph M., to Societe de Prospection Electrique Schlumberger, S.A. Apparatus for detecting magnetic anomalies. 3,267,366, 8–16–66, Cl. 324—34.

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Bricknell, Kenneth, to A. B. Dick Co. Planographic printing. 3,250,214, 5–10–66, Cl. 101—149.2.

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Squillario, George F., and Bridges. 3,292,392.

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Bridges, Jack E., to Warwick Electronics Inc. Communication system. 3,281,766, 10–25–66, Cl. 340—5.

Bridges, Raymond C. Hydraulic clamping and tensioning means for saw blades. 3,286,987, 11–22–66, Cl. 254—51.

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Briggs, George E., Jr., to Halliburton Co. Formation fluid sampling method. 3,254,531, 6–7–66, Cl. 73—155.

Briggs, George E., Jr., M. L. Ford, and D. R. Warren, to Halliburton Co. Formation sampler and valve system. 3,253,654, 5–31–66, Cl. 166—100.

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Briggs, Walton E., to National Research Corp. Mass spectrometer leak detector and ion source therefor having magnetic focusing means. 3,277,295, 10–4–66, Cl. 250—41.9.

Briggs, Warren S., W. A. Stover, and D. S. Henderson, to W. R. Grace & Co. Internal combustion engine exhaust gas treating process. 3,288,558, 11–29–66, Cl. 23—2.

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Bright, Robert G., to Draftex Ltd. Clips. 3,256,577, 6–21–66, Cl. 24—81.

Bright, Robert G., to Bright Mfg. Co., Ltd. Clip for straddling and gripping a supporting flange and blank therefor. 3,282,657, 11–1–66, Cl. 29—183.5.

Bright, Samuel C., and A. Alsbury, to Lever Brothers Co. Stabilized chlorinated cyanuric acid bleaching compositions. 3,278,443, 10–11–66, Cl. 252—95.

Bright, Samuel D. Decorative low illumination lamp. 3,248,532, 4–26–66, Cl. 240—10.

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Bright, Willard M., to Lever Bros. Co. Synergistic combinations of alkane sulfonates and alkoxy hydroxy propane sulfonates. 3,267,040, 8–16–66, Cl. 252—161.

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Brightman, Barrie, and C. R. Fisher, Jr., to General Dynamics Corp. Phase control system for use in producing a variable direction beam from a fixed transmitting array. 3,266,010, 8–9–66, Cl. 340—5.

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Dyer, Tom L., Jr., Osmundsen, Innis, Whitehead, and Brittain. 3,271,623.
Brittain, Rosel W. Cosmetic application. 3,226,754, 1–4–66, Cl. 15—230.11.
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Cutler, John H., Britten, and Stombock. 3,265,952.
Britten, Harold H., and L. R. Peaslee, to General Electric Co. Static inverter with overload protection and utilizing pulse width modulation for voltage regulation. 3,253,208, 5–24–66, Cl. 321—11.
Britten, Harold H., and J. H. Cutler, to General Electric Co. Control arrangement for static inverters. 3,263,150, 7–26–66, Cl. 321—45.
Brittingham, Lawrence A., to Cluett, Peabody & Co., Inc. Garment package. 3,259,229, 7–5–66, Cl. 206—7.
Britton Corp., The: *See*—
Bliss, Harvey N. 3,261,094.
Bliss, Harvey N. 3,284,897.
Britton, Ernest C. 3,254,759.
Britton, Donald H., and W. A. Hoyer, to Esso Production Research Co. Apparatus for gating the photo-multiplier of a scintillation detector. 3,251,998, 5–17–66, Cl. 250—207.
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Britton, Philip S., and H. P. Fochler, to Continental Oil Co. Method of making spirally wound flexible, plastic tubing. 3,243,328, 3–29–66, Cl. 156—195.
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Brixner, Berlyn B., to United States of America, Atomic Energy Commission. Wide angle optical system having a telecentric stop and an interference filter. 3,278,752, 10–11–66, Cl. 250—216.
Brixner, Lothar H., to E. I. du Pont de Nemours and Co. Stabilized zirconia composition. 3,268,349, 8–23–66, Cl. 106—39.
Broadbent, Arthur D., to The Forgrove Machinery Co. Ltd. Wrapping machines. 3,267,642, 8–23–66, Cl. 53—228.
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Broadbent, Kent D., to Interstate Electronics Corp. Magneto-resistive sensing device. 3,256,483, 6–14–66, Cl. 324—65.
Broadbent, Kent D., to Interstate Electronics Corp. Thin film shift register. 3,287,711, 11–22–66, Cl. 340—174.
Broadbent, Kent D., to Interstate Electronics. Thin film shift register. 3,292,161, 12–13–66, Cl. 340—174.
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Cornwall, James E. 3,229,973.
Cran, William B. G. 3,276,768.
Broadbent, Wallace, F. L. Rose, and A. L. Walpole, to Imperial Chemical Industries Ltd. of London. Bis-(N-acetylhydrazino-N-carbonylmethyl) disulphide. 3,260,746, 7–12–66, Cl. 260—561.
Broadhead, James H., J. E. Hamilton, and L. E. Martine, to Utility Tool Co. Pipe repair joint. 3,257,118, 6–21–66, Cl. 277—101.
Broadhead, Ronald L., to Standard Oil Co. Water emulsion alkyd resin composition comprising water soluble alkanol-amine and polyethenoxy ether of alkylphenol. 3,269,967, 8–30–66, Cl. 260—22.
Broadhead, Samuel L., Jr., to Collins Radio Co. Impedance matched broad band transistor amplifier. 3,244,998, 4–5–66, Cl. 330—31.
Broadhead, Samuel L., Jr., to Collins Radio Co. Tunable phase shift resonant circuit stabilized crystal oscillator. 3,260,959, 7–12–66, Cl. 331—16.
Broadhead, Samuel L., Jr., to Collins Radio Co. Combined frequency and phase discriminator. 3,265,976, 8–9–66, Cl. 329—137.
Broadhead, Samuel L., Jr., to Collins Radio Co. High-frequency short pulse trigger generator employing two-voltage variable semiconductive capacitors. 3,270,214, 8–30–66, Cl. 307—88.5.
Broadhead, Samuel L., Jr., to Collins Radio Co. Multiple crystal frequency selective multiplier. 3,295,051, 12–27–66, Cl. 321—69.
Broadhurst, Peter W. T. Method for brewing and dispensing beverages. 3,282,703, 11–1–66, Cl. 99—71.
Broadley, Harry R., to General Electric Co. Sollon cell with electrodes engaging container wall for preventing ion-drift. 3,273,025, 9–13–66, C. 317—230.
Broadley, Harry R., and W. R. Grams, to General Electric Co. Sollon cell having electrodes cold-sealed with container wall. 3,273,026, 9–13–66, Cl. 317—230.
Broadway, Edgar R., and R. B. McLeod, to Brown & Root, Inc. Riser installation. 3,258,928, 7–5–66, Cl. 61—72.3.
Broadway, John D., and J. L. Barlow, to Consolidated Paper (Bahamas) Ltd. Method for controlling tension in supported sheet material. 3,257,734, 6–28–66, Cl. 34—18.
Broadwell, John C.: *See*—
Urso, Sebastian J., and Broadwell. 3,294,228.
Broadwin, Samuel M., to Scientific Industries, Inc. Automatic shell freezing device. 3,241,250, 3–22–66, Cl. 34—92.
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Brocato, Louis J., to United States of America, Air Force. Adjustable frequency sweep circuit for backward wave oscillator. 3,249,889, 5–3–66, Cl. 331—82.
Brocats, Robert A. Combination string plate and string tension maintaining mechanism. 3,279,298, 10–18–66, Cl. 84—208.
Brochner, Henry S. Process for making a dry milk product. 3,241,975, 3–22–66, Cl. 99—56.
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Brock Mfg., Inc.: *See*—
Brembeck, Howard S. 3,252,562.
Brock, Robert B. Water ski shoe attachment. 3,280,411, 10–25–66, Cl. 9—310.
Brock, Walter B., E. M. and W. L., to C. H. Stuart & Co., Inc. Apparatus for bending material. 3,230,755, 1–25–66, Cl. 72—323.
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Brock, Walter B., E. M. and W. L. 3,230,755.

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Brockelmann, Otto, E. Hatje, and R. Asel, to Beteiligungs- und Patentverwaltungs-gesellschaft mit beschrankter Haftung and Rheinisch-Westfalische Kalkwerke Aktiengesellschaft. Method and device for effecting heat exchange. 3,261,106, 7–19–66, Cl. 34—20.
Brockett, Halford E., to Continental Can Co., Inc. Closure seal with semi-adherent and removable liner. 3,257,021, 6–21–66, Cl. 215—39.
Brockett, Peter C., to Laboratory for Electronics, Inc. Vehicle detector. 3,237,155, 2–22–66, Cl. 340—38.
Brockett, Peter C., to Laboratory For Electronics, Inc. Traffic density computer. 3,239,805, 3–8–66, Cl. 340—31.
Brockett, Peter C., and C. L. Du Vivier, to Laboratory for Electronics, Inc. Traffic actuated control system. 3,267,424, 8–16–66, Cl. 340—37.
Brockhues, Frederick B., and W. Muhm. Apparatus for processing expandable plastic material. 3,257,103, 6–21–66, Cl. 263—21.
Brocklebank, Norman, to Priestman Bros. Ltd. Crowd shovel excavators. 3,291,328, 12–13–66, Cl. 214—138.
Brocklehurst, James E., to United Kingdom Atomic Energy Authority. Method of testing graphite. 3,285,072, 11–15–66, Cl. 73—432.
Brockman, Henry. Engine crankshaft. 3,293,940, 12–27–66, Cl. 74—596.
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Brockmuller, Friedrich F., to Windmoller & Holscher. Method and apparatus for the manufacture of a square-bottom-bag of a weldable material. 3,272,093, 9–13–66, Cl. 93—8.
Brockmuller, Friedrich F., to Windmoller & Holscher. Guillotine for cutting webs of plastics material sheeting. 3,293,970, 12–27–66, Cl. 83—328.
Brockmuller, Wolfgang, W. Ibach, and R. Queck. Tensioned fuse device. 3,291,944, 12–13–66, Cl. 200—121.
Brockway Glass Co.: *See*—
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Brocoff, Jack, H. K. Orbach, and R. J. Sunderland, to Conch International Methane Ltd. Method and apparatus for the large-scale production of snow fields for sports use. 3,257,815, 6–28–66, Cl. 62—57.
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Brodbeck, John J., to Chevron Research Co. Equilibration of lower alkyl substituted aromatic hydrocarbons. 3,293,314, 12–20–66, Cl. 260—668.
Brodbeck, Werner, and R. Ehrhardt, to Daimler-Benz Aktiengesellschaft. Engine seal. 3,238,929, 3–8–66, Cl. 123—8.
Brodbeck, Werner, and R. Ehrhardt, to Daimler-Benz Aktiengesellschaft. Sealing structure. 3,277,873, 10–11–66, Cl. 123—8.
Brodd, Ralph J., to Ling-Temco-Vought, Inc. Thermocell. 3,293,079, 12–20–66, Cl. 136—86.
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Rabenda, Edward J., Brodd, and Marquardt. 3,243,783.
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Broder, Nathaniel B., to Truswal Systems, Inc. Connector plate. 3,242,788, 3–29–66, Cl. 85—13.
Broderick, David C., to Metcom, Inc. Gaseous-solid state power limiter. 3,249,899, 5–3–66, Cl. 333—13.
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Christena, Ray C., and Broderick. 3,235,544.
Christena, Ray C., and Broderick. 3,244,697.
Broderick, Edward, and J. L. Villa, to Thiokol Chemical Corp. Method of making propylene monothiocarbonate. 3,240,788, 3–15–66, Cl. 260—327.
Broderick, Edward, and J. L. Villa, to Thiokol Chemical Corp. Propylene monothiocarbonate and processes for making and using the same. 3,282,960, 11–1–66, Cl. 260—327.
Broderick, Frank W. Method of preparing mated embossing rolls. 3,268,378, 8–23–66, Cl. 156—14.
Broderick, Frank W. Speed adjustment device. 3,290,961, 12–13–66, Cl. 74—665.
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Keys, Don L., Broderick, and Lohnes. 3,273,800.
Quaas, Joseph F., and Broderick. 3,228,610.
Quaas, Joseph F., and Broderick. 3,259,973.
Quaas, Joseph F., and Broderick. 3,276,898.
Quaas, Joseph F., Broderick, Lohnes, and Wishnie. 3,254,868.
Schilling, Donald C., Lohnes, and Broderick. 3,262,644.
Broderick, John P., F. T. Wishnie, and D. L. Keys, to Eutectic Welding Alloys Corp. Flame spraying torch. 3,252,628, 5–24–66, Cl. 222—193.
Broderick, John P., D. L. Keys, and G. E. Cossaboom, to Eutectic Welding Alloys Corp. Arc welding apparatus. 3,263,055, 7–26–66, Cl. 219—75.
Broderick, John P., D. P. Tanzman, and F. T. Wishnie, to Eutectic Welding Alloys Corp. Wear-facing alloy. 3,293,029, 12–20–66, Cl. 75—159.
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Brodersen, Rolf K., to General Precision Inc. Digital rate gyro. 3,238,791, 3–8–66, Cl. 74—5.4.
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Brodick, Thomas P. Air actuated ground speed indicator. 3,226,978, 1–4–66, Cl. 73—186.
Brodie, George R., to John C. Motter Printing Press Co. Liquid distributing apparatus. 3,261,287, 7–19–66, Cl. 101—350.
Brodie, George R., to John C. Motter Printing Press Co. Coating apparatus. 3,283,741, 11–8–66, Cl. 118—262.
Brodie, Isidore R., to The All-Time Mfg. Co., Inc. Emergency boat ladder. 3,285,367, 11–15–66, Cl. 182—97.
Brodie, Kenneth G., to The Singer Co. Safety blade clamping means for portable power saws. 3,266,535, 8–16–66, Cl. 143—155.
Brodin, Willi. Diffusion burner. 3,254,695, 6–7–66, Cl. 158—4.
Broding, Robert A., to Century Geophysical Corp. Solid array seismic monitor system. 3,252,541, 5–24–66, Cl. 181—.5.
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Gram, Hans. 3,260,210.
Brodrick, Merrill S. Milk extraction, processing and packaging system. 3,294,063, 12–27–66, Cl. 119—14.02.
Brodsky, Benjamin, and E. Sorensen, to Progressive Metal Equipment, Inc. Liquid dispenser with timer control. 3,248,011, 4–26–66, Cl. 222—70.
Brodsky, Charles. Device for installing corner beads and the like. 3,273,245, 9–20–66, Cl. 33—85.
Brodsky, David L., to Esco Products, Inc. Chromatography cabinet. 3,265,214, 8–9–66, Cl. 210—198.
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Brody, Joseph H. and R. P. Combination incinerator and hot water heater. 3,251,345, 5–17–66, Cl. 122—2.
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Broekhuysen, William C., to G-V Controls Inc. Thermal relay with improved heater arrangement. 3,270,167, 8–30–66, Cl. 200—122.
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Brogden, Michael E., G. Milnes, and H. Pinkerton, to Imperial Chemical Industries Ltd. Separation of nitrotoluene or nitrobenzene. 3,232,999, 2-1-66, Cl. 260—645.

Brogden, Michael E., G. Milnes, and H. Pinkerton, to Imperial Chemical Industries Ltd. Dinitrotoluene process. 3,243,466, 3-29-66, Cl. 260—645.

Brogden, Oren D. Safety attachment for a hose. 3,249,370, 5-3-66, Cl. 285—81.

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Russell, Kenneth F. 3,272,334.
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Brogdon, Julian P. to Newport News Shipbuilding and Dry Dock Co. Submerged arc welding process. 3,293,400, 12-20-66, Cl. 219—73.

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Rogers, Wathel L., Taylor, and Broggie. 3,277,594.
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Brogle, Albert P., Jr., to United States of America, Army. Biternary pulse code system. 3,230,310, 1-18-66, Cl. 178—68.

Broh-Kahn, Robert H., A. Halpern, and E. J. Sasmor, to Laboratories for Pharmaceutical Development, Inc. Amine salts of pyrrolidon carboxylic acid. 3,255,190, 6-7-66, Cl. 260—247.2.

Broh-Kahn, Robert H., and E. J. Sasmor, to Laboratories for Pharmaceutical Development. Oral analgesic preparation. 3,257,276, 6-21-66, Cl. 167—65.

Broh-Kahn, Robert H., and A. Galat, to Bard Pharmaceutical Inc. 3-pyridine carbinol nitrate and its preparation. 3,273,642, 9-27-66, Cl. 260—297.

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Brojo, German, and W. Schabacher, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of alkali metal borohydrides. 3,259,474, 7-5-66, Cl. 23—361.

Brokaw, Adrian P., to Dresser Industries, Inc. Automatic gain control in acoustic well logging systems. 3,289,157, 11-29-66, Cl. 340—18.

Brokaw, Roscoe T., to The Sun Tool & Machine Co. Edge tooling apparatus. 3,274,736, 9-27-66, Cl. 51—105.

Broken Hill Associated Smelters, Proprietary Ltd., The: *See*—
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Brokke, Mervin E., to Stauffer Chemical Co. Process for preparing benzylmercaptopyrimidines. 3,250,775, 5-10-66, Cl. 260—251.

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Brokke, Mervin E., and C. L. Dewald, to Stauffer Chemical Co. Method for controlling crab grass and water grass. 3,246,976, 4-19-66, Cl. 71—2.6.

Brokke, Mervin E., and D. G. Stoffey, to Stauffer Chemical Co. Thiocarbonyldi(O,O-diethyl-phosphonate) in an insecticidel method. 3,247,052, 4-19-66, Cl. 167—22.

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Brolde, Kurt, to Jos. Schneider & Co. Driving mechanism for components of optical objective. 3,241,470, 3-22-66, Cl. 95—45.

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Brombach, Ernst, and A. Kirchner, to Siegner Maschinenbau G.m.b.H. Flying shear with oppositely driven knives provided on a swing frame. 3,277,759, 10-11-66, Cl. 83—311.

Brombach, Ernst, and A. Kirchner, to Siegner Maschinenbau G.m.b.H. No-cut stroke apparatus for flying shears. 3,279,291, 10-18-66, Cl. 83—304.

Brombach, Ernst, and H. Ganseuer, to Siegner Maschinenbau G.m.b.H. Adjusting device for shear knives. 3,289,517, 12-6-66, Cl. 83—640.

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Bromfield, Morton S., to Formulast Corp. Directionally shrinking lasted shoe uppers. 3,237,227, 3-1-66, Cl. 12—142.

Bromley, Derek, to United Kingdom Atomic Energy Authority. Nucelar reactor valve. 3,253,738, 5-31-66, Cl. 221—200.

Bromley, Derek, to United Kingdom Atomic Energy Authority. Stand pipes for nuclear reactors. 3,284,313, 11-8-66, Cl. 176—58.

Bromley, Keith, to Bakelite Xylonite Ltd. Apparatus for stretching sheet materials. 3,247,544, 4-26-66, Cl. 18—1.

Bromley, Kenneth W., to General American Transportation Corp. Machine for molding bottle carrying cases. 3,289,252, 12-6-66, Cl. 18—42.

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Bromstedt, Earl W., Jr., to E. J. Brach & Sons. Container. 3,240,325, 3-15-66, Cl. 206—45.

Bron, Albert W. Construction gage. 3,293,764, 12-27-66, Cl. 33—194.

Bronder, Herbert, to Ingersoll-Rand World Trade Ltd. Gantry type drilling machines. 3,283,831, 11-8-66, Cl. 173—43.

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Bachowski, Ronald, Hess, and Brondyke. 3,281,238.

Brondyke, Kenneth J., and R. T. Craig, to Aluminum Co. of America. Method and apparatus for horizontal casting of ingots. 3,286,309, 11-22-66, Cl. 22—57.2.

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Bronevill Scientific Division of Will Scientific, Inc.: *See*—
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Broniewski, Bohdan, and A. E. Wolfhugel, to Societe Generale de Constructions Electriques et Mecaniques (Alsthom). Electrical machines. 3,287,580, 11-22-66, Cl. 310—58.

Bronikowski, Raymond J. Expendable cap for fuse cutouts. 3,234,349, 2-8-66, Cl. 200—127.

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Deelman, Gerardus J., and Bronkhorst. 3,268,733.

Bronlund, Louis R., to General Electric Co. Railroad transportation of large transformers. 3,242,879, 3-29-66, Cl. 105—367.

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Wood, Morris E. 3,284,018.
Wood, Morris E. 3,284,019.

Bronstert, Franz, to Varta Aktiengesellschaft. Sealing terminal posts in electrochemical cell covers. 3,235,411, 2-15-66, Cl. 136—168.

Bronstien, Edward L., Sr., to The United States Bedding Co. Handles and stabilizers for mattresses. 3,254,349, 6-7-66, Cl. 5—345.

Bronstien, Edward L., Sr., to The United States Bedding Co. Mattress handles and stabilizers. 3,254,350, 6-7-66, Cl. 5—345.

Bronstien, Edward L., Sr., to The United States Bedding Co. Mattress handle construction. 3,254,351, 6-7-66, Cl. 5—345.

Bronstien, Edward L., Sr., to The United States Bedding Co. Mattress holding means. 3,261,036, 7-19-66, Cl. 5—345.

Bronze Inc.: *See*—
King, Drew. 3,229,948.

Bronzert, Melvin A., to Western Electric Co., Inc. Channeled extrusion die. 3,252,183, 5-24-66, Cl. 18—13.

Broodman, Johannes J.: *See*—
Benschop, Jacobus P., and Broodman. 3,291,961.

Brook, Arthur F. Hand punch for perforating the sheets of looseleaf binders. 3,267,789, 8-23-66, Cl. 83—622.

Brook, Arthur F. Combination folding and punching machine. 3,284,078, 11-8-66, Cl. 270—82.

Brook, Arthur H.: *See*—
Biard, James R., Brook, Clerc, and Young. 3,235,802.

Brook, Arthur H., and J. R. Campbell, to Texas Instruments Inc. Digital trip system. 3,248,694, 4-26-66, Cl. 340—146.1.

Brook, David I. Machine for processing tubular goods. 3,266,460, 8-16-66, Cl. 118—38.

Brook, David L.: *See*—
Barnett, Douglas, and Brook. 3,274,696.

Brook, James H. T.: *See*—
Allen, Roy L., and Brook. 3,268,311.

Brook, James H. T., and R. L. Allen, to Shell Oil Co. Stabilized hydrocarbon compositions. 3,294,499, 12-27-66, Cl. 44—63.

Brook, John W.: *See*—
Goldstein, Albert, and Brook. 3,294,723.

Brooke, Dennis G., and P. Evans, to Imperial Chemical Industries Ltd. Process for rendering urea anti-caking. 3,290,371, 12-6-66, Cl. 260—555.

Brooke, Raymond, to British Telecommunications Research Ltd. Error correcting arrangement for punched tape electrical signalling system. 3,263,215, 7-26-66, Cl. 340—146.1.

Brooke, Royse L., to Bell Aerospace Corp. Rotor mounting means. 3,254,724, 6-7-66, Cl. 170—160.12.

Brooker, Bernard F., to Premier Injection Mouldings Ltd. Actuating unit for valves or switches. 3,264,884, 8-9-66, Cl. 74—17.8.

Brooker, Leslie G. S., and F. G. Webster, to Eastman Kodak Co. Spectrally sensitized silver halide emulsions. 3,258,925, 5-31-66, Cl. 96—105.

Brooker, Levellan D., and F. L. Morrison. Method and means for color engraving. 3,246,397, 4-19-66, Cl. 33—18.

Brookfield, Richard A. Hypodermic needle. 3,294,089, 12-27-66, Cl. 128—221.

Brookhyser, Byron B., and H. E. Erickson, to Weyerhaeuser Co. In-line veneer jointer. 3,234,975, 2-15-66, Cl. 144—2.

Brookman, John W.: *See*—
Vogel, Marcel J., and Brookman. 3,294,701.

Brooks Appliance Co., Inc.: *See*—
Thompson, Harry L. 3,236,233.

Brooks, Arnold C.: *See*—
Uhlig, Edwin C., Buffington, Kling, and Brooks. 3,276,936.

Brooks, Bryon L.: *See*—
Lesnick, Donald R., and Brooks. 3,243,591.

Brooks, Burton: *See*—
Brooks, Richard J. and B. 3,240,801.

Brooks, Burton J.: *See*—
Brooks, Richard J. and B. J. 3,257,175.
Brooks, Richard J. and B. J. 3,259,645.

Brooks, Charles: *See*—
Loew, Theodore, and Brooks. 3,232,818.
Loew, Theodore, and Brooks. 3,249,485.

Brooks, Chester E., G. B. Crofutt, Jr., and J. L. Henry, to Bell Telephone Laboratories, Inc. Disconnect circuit for remote line concentrator. 3,251,948, 5-17-66, Cl. 179—18.

Brooks, Chester E., G. B. Crofutt, and W. C. Sand, to Bell Telephone Laboratories, Inc. Line concentrator system for step-by-step offices. 3,270,140, 8-30-66, Cl. 179—18.

Brooks, Chester V.: *See*—
Brooks, Jackson R. 3,235,989.

Brooks, Donald H., to International Protected Metals, Inc. Apparatus for coating with particulate materials. 3,227,135, 1-4-66, Cl. 118—408.

Brooks, Donald W.: *See*—
Roberts, Ralph R., and Brooks. 3,252,221.

Brooks, E. J., Co.: *See*—
Brooks, Winfred M., and Moberg. 3,265,426.
Moberg, Sigurd M. 3,278,214.
Moberg, Sigurd M. 3,292,961.

Brooks, Edward S., to United States of America, Army. Automatically activated battery having a replaceable type gas generator. 3,238,067, 3-1-66, Cl. 136—90.

Brooks, Eric E.: *See*—
Zellweger, Conrad, Retzler, and Brooks. 3,240,034.

Brooks, Eugene H., to Hardwicke-Etter Co. Roller cotton gin. 3,245,123, 4-12-66, Cl. 19—53.

Brooks, Eugene H., and R. M. Shelburne, to Hardwicke-Etter Co. High capacity gin stand. 3,266,101, 8-16-66, Cl. 19—57.

Brooks, Frederick A., to The Regents of the University of California. Single-hemisphere, whole-spectrum radiometer. 3,255,632, 6-14-66, Cl. 73—355.

Brooks, Gary, to Eastman Kodak Co. Water dispersible, anhydrous, water insoluble vitamin preparation and aqueous dispersions thereof. 3,253,992, 5-31-66, Cl. 167—81.

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Brooks, Harry E., Jr., to The Budd Co. Load cell. 3,237,450, 3-1-66, Cl. 73—141.

Brooks, Harvey: *See*—
Stedman, Cecil K., and Brooks. 3,276,411.

Brooks, Harvey, and A. N. Butz, Jr., deceased (A. N. Butz, Sr., administrator), to United States of America, Navy. Echo ranging torpedo. 3,229,657, 1-18-66, Cl. 114—23.

Brooks, Jackson R., to Excellart Extrusion Co., a partnership composed of J. R. and C. V. Brooks. Sign framework. 3,235,989, 2-22-66, Cl. 40—130.

Brooks, James P., ⅓ to W. P. Hickey. Hook structure for perforated boards. 3,289,992, 12-6-66, Cl. 248—225.

Brooks, James W., to Pabst Brewing Co. Method of stimulating milk production in animals. 3,250,622, 5-10-66, Cl. 99—2.

Brooks, John D., to United States of America, Navy. Signal summing point device for hybrid fluid and electronic controls. 3,266,514, 8-16-66, Cl. 137—81.5.

Brooks, John G.: *See*—
Ashworth, John T., Brooks, and Cassidy. 3,238,952.

Brooks, John H., to McCulloch Corp. Cylinder for internal combustion engine. 3,257,998, 6-28-66, Cl. 123—73.

Brooks, Lester A., H. H. Farmer, and R. T. O'Shaughnessy, to R. T. Vanderbilt Co., Inc. Age-resistant cross-linked ethylene polymers stabilized with thioureas. 3,238,176, 3-1-66, Cl. 260—45.8.

Brooks, Lester A., and R. T. O'Shaughnessy, to R. T. Vanderbilt Co., Inc. Fungicidal mixture of thiuram sulfides and oxidizing agent. 3,279,982, 10-18-66, Cl. 167—22.

Brooks, Lionel H.: *See*—
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Brooks, Lorimer P. Gas logs. 3,291,116, 12-13-66, Cl. 126—92.

Brooks, Louis E.: *See*—
Kauer, George C., Jr., and Brooks. 3,279,151.

Brooks, Lucien B.: *See*—
Rogers, Philip A., and Brooks. 3,254,535.

Brooks, Maurice E. *See*—
Lewis, John D., Sze, Bennett, Brooks, Lutz, and Zasloff. 3,293,011.

Brooks, Norman B., to High Voltage Engineering Corp. Ion source having an expansion cup for effecting beam divergence. 3,287,598, 11-22-66, Cl. 315—111.

Brooks, Paul H. Archery finger guard. 3,229,304, 1-18-66, Cl. 2—21.

Brooks, Richard J. and B., to The Chemithon Corp. Separation of sulfonic acid from excess sulfonating agent. 3,240,801, 3-15-66, Cl. 260—505.

Brooks, Richard J. and B. J., to The Chemithon Corp. Sulfonation apparatus. 3,257,175, 6-21-66, Cl. 23—285.

Brooks, Richard J. and B. J., to The Chemithon Corp. Continuous sulfonation process. 3,259,645, 7-5-66, Cl. 260—459.

Brooks, Robert B., and G. Totten, to Advance Engineering Co. Liquid drink dispensing machine. 3,266,670, 8-16-66, Cl. 222—54.

Brooks, Robert J.: *See*—
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Brooks, Thomas J. Device for severing legs from poultry. 3,229,327, 1-18-66, Cl. 17—11.

Brooks, Vern M., to Jefferson Electric Co. Safety circuit for sequence start ballast with disconnect switches in the primary and secondary windings. 3,239,716, 3-8-66, Cl. 315—138.

Brooks, Warren B., to Socony Mobil Oil Co., Inc. Vibratory type apparatus for use in rotary drilling of boreholes. 3,235,014, 2-15-66, Cl. 173—57.

Brooks, Warren B., to Socony Mobil Oil Co., Inc. Acoustic drilling method and apparatus. 3,251,424, 5-17-66, Cl. 175—56.

Brooks, Warren B., to Mobil Oil Corp. Deep-sea mining method. 3,260,004, 7-12-66, Cl. 37—195.

Brooks, William, to Lockheed Aircraft Corp. Electroluminescent phosphors and method for making same. 3,264,133, 8-2-66, Cl. 117—33.5.

Brooks, William B.: *See*—
Davis, Charles W., and Brooks. 3,259,421.

Brooks, William G., to A. R. Winarick, Inc. Electrolytic stripping of platings from aluminum and zinc articles. 3,260,660, 7-12-66, Cl. 204—146.

Brooks, William H., to Westinghouse Brake and Signal Co. Ltd. Speed changing systems. 3,245,728, 4-12-66, Cl. 303—21.

Brooks, Winfred M., and S. M. Moberg, to E. J. Brooks Co. Shackle seal. 3,265,426, 8-9-66, Cl. 292—307.

Brooksbank, Wallace R. Shuttle boxes for looms for weaving. 3,273,604, 9-20-66, Cl. 139—183.

Brooksby, Merrill W., to Hewlett-Packard Co. Logic circuit having inductive elements to improve switching speed. 3,292,014, 12-13-66, Cl. 307—88.5.

Brookshire, Grover J., to Beacon Mfg. Co. Filling housing for looms having multiple filling yarn spools. 3,236,265, 2-22-66, Cl. 139—122.

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Wooden, John A. 3,285,502.

Brookson, William C., to American Can Co. Apparatus for forming a clinched seam. 3,243,865, 4-5-66, Cl. 29—121.

Broom, Frederick: *See*—
Hill, Walter, and Broom. 3,244,794.

Broom, Horace S., and H. B. Gittins, to Boom & Wade, Ltd. Pneumatic motors. 3,257,913, 6-28-66, Cl. 91—76.

Broome, Geoffrey E.: *See*—
Deakin, Thomas M., and Broome. 3,263,569.

Broome, Thorne K.: *See*—
Rodman, Clarence J., and Broome. 3,264,153.
Rodman, Clarence J., and Broome. 3,282,769.

Brophy, Carl R. Folding stairs. 3,283,853, 11-8-66, Cl. 182—156.

Brophy, Robert V.: *See*—
Rockwell, Adelbert W., Jr., and Brophy. 3,232,496.
Simmonds, Robert C., Jr., Rumball, and Brophy. 3,267,705.

Brorein, William J., to General Cable Corp. Tinsel splice detector. 3,278,809, 10-11-66, Cl. 317—142.

Bros Inc.: *See*—
Csathy, Denis G. 3,246,633.
Garis, Gordon O., and Wendel. 3,257,918.

Broschard, John L., and T. A. Harris, to SKF Industries, Inc. Transmission bearing. 3,261,234, 7-19-66, Cl. 74—801.

Broschke, Heinrich, to Ernst Leitz G.m.b.H. Photographic camera with built-in exposure meter. 3,261,273, 7-19-66, Cl. 95—10.

Brose, Horace B. Tire repair insert. 3,272,253, 9-13-66, Cl. 152—370.

Brosious, Daniel R., J. S. Schwartz, and D. D. Doran, to Bethlehem Steel Corp. Light responsive non-contact shielding device. 3,255,356, 6-7-66, Cl. 250—219.

Brosious, Daniel R., and J. K. Hollingshead, to Bethlehem Steel Corp. Pinhole detectors. 3,263,086, 7-26-66, Cl. 250—219.

Brosious, Daniel R., and D. D. Doran, to Bethlehem Steel Corp. Transistorized motor reversing system. 3,263,146, 7-26-66, Cl. 318—293.

Broske, William F., to AMP Inc. Method and apparatus for applying electrical connectors to conductors. 3,251,216, 5-17-66, Cl. 72—416.

Broske, William F., to AMP Inc. Explosively operated wedge type electrical connector. 3,257,499, 6-21-66, Cl. 174—94.

Broske, William F., to AMP Inc. Electrical connector for securing wires at right angles. 3,290,746, 12–13–66, Cl. 24—126.

Broske, William F., to AMP Inc. Explosive tool. 3,292,665, 12–20–66, Cl. 140—113.

Broske, William F., to AMP Inc. Hand tool for crimping electrical connectors. 3,293,732, 12–27–66, Cl. 29—155.5.

Broske, William F., H. W. Demler, W. H. Knowles, Jr., and F. W. Wahl, to AMP Inc. Method of making an electrical connection to a stranded cable. 3,235,944, 2–22–66, Cl. 29—155.5.

Broske, William F., H. W. Demler, Sr., W. H. Knowles, Jr., and F. W. Wahl, to AMP Inc. Electrical connectors and means for applying them. 3,280,856, 10–25–66, Cl. 140—113.

Brosnan, Dennis W. Rail renewal process. 3,286,648, 11–22–66, Cl. 104—2.

Brosnan, Dennis W. Rail handling apparatus. 3,288,082, 11–29–66, Cl. 104—2.

Bross, Charles F., to Merrill Machinery Co. Microswitch holder-assembly. 3,290,475, 12–6–66, Cl. 200—168.

Bross, Helmut, to Ritter, Jacob, K.G. Writing tool. 3,260,-241, 7–12–66, Cl. 120—42.03.

Bross, Helmut, to Gebruder Schmidt. Writing tool. 3,262,-426, 7–26–66, Cl. 120—42.13.

Bross, Helmut K., to Dr. Adolf Kurschner Metallwarenfabrik. Toy rocket. 3,228,141, 1–11–66, Cl. 46—86.

Bross, Helmut K., 50% to F. T. Johmann. Rack-actuated air cushioned toy vehicle. 3,229,410, 1–18–66, Cl. 46—1.

Bross, Helmut K., 50% to F. T. Johmann. Toys and rack actuating means therefor. 3,229,413, 1–18–66, Cl. 46—67.

Bross, Helmut K., 50% to F. T. Johmann. Propeller-driven toy. 3,229,414, 1–18–66, Cl. 46—75.

Bross, Helmut K., 50% to J. T. Johmann. Rack actuated toy having rack return means. 3,229,415, 1–18–66, Cl. 46—75.

Bross, Helmut K., 50% to F. T. Johmann. Rack-actuated propeller toy. 3,229,416, 1–18–66, Cl. 46—75.

Bross, Helmut K., 50% to F. T. Johmann. Racks. 3,229,543, 1–18–66, Cl. 74—422.

Bross, Helmut K. Writing implement with a bendable casing. 3,233,592, 2–8–66. Cl. 120—42.13.

Bross, Helmut K., 50% to F. T. Johmann. Construction of toys actuated by a pulling band such as a rack. 3,237,342, 3–1–66, Cl. 46—75.

Brossa, Francesco, R. Theisen, and L. Alfille, to European Atomic Energy Community-Euratom. Nuclear reactor fule element having a diffusion barrier. 3,291,700, 12–13–66, Cl. 176—82.

Broussalian, George L., to Monsanto Co. 2-dioxy-1,2,5-oxathiazine compounds and processes for their manufacture. 3,235,549, 2–15–66, Cl. 260—243.

Brossard, Pierre C., and J. R. F. Chassagne. Phase modulation networks using variable capacity diodes. 3,267,393, 8–16–66, Cl. 332—30.

Brossi, Arnold, to Hoffmann-LaRoche Inc. Bismuth iodide complex of salts of racemic 2-dehydroemetine. 3,287,456, 11–22–66, Cl. 260—270.

Brossi, Arnold, and A. Rheiner, Jr., to Hoffmann-La Roche Inc. Tetrahydroisoquinoline compounds. 3,227,720, 1–4–66, Cl. 260—289.

Brossi, Arnold, and A. Rheiner, Jr., to Hoffmann-La Roche Inc. 1-substituted-1-phenyl (or substituted phenyl)-2-[2-methyl - 6,7-substituted-1,2,3,4-tetrahydroisoquinolinyl-(1)] ethanes. 3,238,212, 3–1–66, Cl. 260—287.

Brossi, Arnold, and M. Gerecke, to Hoffmann-La Roche Inc. Method of converting 2-dehydro-isoemetine into 2-dehydroemetine and intermediates therein. 3,240,782, 3–15–66, Cl. 260—286.

Brossi, Arnold, and E. Kyburz, to Hoffmann-La Roche Inc. Benzofuro [2,3-c] pyridines and intermediates. 3,294,810, 12–27–66, Cl. 260—297.

Brother Industries, Ltd.: *See*—
Koike, Fuji. 3,257,980.

Brotherton, Peter A. J., and C. Dawes, to Joseph Lucas (Industries) Ltd. Surface hardening of titanium. 3,268,372, 8–23–66, Cl. 148—20.

Brotherton, Thomas K.: *See*—
Knopf, Robert J., and Brotherton. 3,281,447.
Knopf, Robert J., and Brotherton. 3,284,502.

Brotherton, Thomas K., and J. W. Lynn, to Union Carbide Corp. Isocyanato substituted multicyclo-decenes. 3,231,-595, 1–25–66, Cl. 260—453.

Brotherton, Thomas K., and J. W. Lynn, to Union Carbide Corp. Products resulting from the reaction of carbonate diisocyanates with active hydrogen compounds. 3,256,220, 6–14–66, Cl. 260—2.5.

Brotherton, Thomas K., and J. W. Lynn, to Union Carbide Corp. Amino esters of aromatic polycarboxylic acids. 3,256,318, 6–14–66, Cl. 260—475.

Brotherton, Thomas K., and J. W. Lynn, to Union Carbide Corp. Bis(aminohydrocarbyl)carbonates. 3,268,574, 8–23–66, Cl. 260—463.

Brotherton, Thomas K., J. W. Lynn, and R. J. Knopf, to Union Carbide Corp. Bis(isocyanotoalkyl or phenyl) trans-9,10-dihydroanthracene 9,10-endo α,β-succinates. 3,275,-679, 9–27–66, Cl. 260—475.

Brothman, Abraham: *See*—
Finkey, Stephen F., Smith, and Brothman. 3,267,388.

Brothman, Abraham, S. J. Halpern, and S. F. Finkey, to Transitel International Corp. Automatic gain control system. 3,241,070, 3–15–66, Cl. 325—411.

Brotz, Walter, and K. Maier, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Valuable product from montan resin and process for its manufacture. 3,284,222, 11–8–66, Cl. 106—239.

Brotzmann, Karl, to Dortmund-Horder Huttenunion Aktiengesselschaft. Degasification tanks for metal melts. 3,250,061, 5–10–66, Cl. 55—189.

Brouard, Daniel: *See*—
Aubert, Michel, Brouard, and Rouge. 3,279,627.

Brouard, Dominique, to Compagnie Francaise de Television. Color identification and associated apparatus in sequential color television systems. 3,267,208, 8–16–66, Cl. 178—5.2.

Brough, Denys W.: *See*—
Scragg, Frederick, and Brough. 3,279,667.

Broughton, Arthur E. Spray shower assembly with self cleaning nozzle. 3,288,371, 11–29–66, Cl. 239—107.

Broughton, Clifton W., to Atlas Chemical Industries, Inc. Volume measuring device. 3,241,361, 3–22–66, Cl. 73—149.

Broughton, Donald B.: *See*—
Lickus, Anthony G., and Broughton. 3,239,455.

Broughton, Donald B., to Universal Oil Products Co. Continuous solid-fluid contacting process. 3,274,099, 9–20–66, Cl. 208—310.

Broughton, Donald B., to Universal Oil Products Co. Continuous simulated countercurrent sorption process employing desorbent made in said process. 3,291,726, 12–13–66, Cl. 208—310.

Broughton, Douglas J., to Buxton, Inc. Buoyant key case. 3,292,680, 12–20–66, Cl. 150—40.

Broughton, Robert W., to Sperry Rand Corp. Method of making a magnetic transducer head. 3,242,556, 3–29–66. Cl. 29—155.5.

Brouillette, Joseph W., Jr., H. Hsu, and S. Wanuga, to General Electric Co. Apparatus in which phonon energy is efficiently generated by maguetostrictive effects. 3,227,972, 1–4–66, Cl. 333—30.

Brouillette, Joseph W., Jr., H. Hsu, and S. Wanuga, to General Electric Co. Apparatus for the generation of phonons by piezoelectric effects. 3,290,623, 12–6–66, Cl. 333—30.

Broumand, Hormoz K. F., and J. J. Weber, to North American Laboratory Co., Inc. Method for releasing stockinets from smoked meat products. 3,262,789, 7–26–66. Cl. 99—229.

Broun, Thorowgood T., Jr., H. H. Hoekje, A. Martinsons, and P. P. Anthony, to Pittsburgh Plate Glass Co. Electrolytic process of decomposing an alkali metal chloride. 3,250,691. 5–10–66, Cl. 204—98.

Broun, Thorowgood T., Jr., H. H. Hoekje, A. Martinsons, and P. P. Anthony, to Pittsburgh Plate Glass Co. Alkali-chlorine cell containing improved anode. 3,287,250, 11–22–66, Cl. 204—263.

Brounley, Richard W., to The Bendix Corp. Frequency modulated crystal controlled oscillator. 3,227,968, 1–4–66, Cl. 332—26.

Brounn, Morrison J., to Otis Elevator Co. Reversible car panels. 3,282,004, 11–1–66, Cl. 52—269.

Brous, Jack, W. A. Conrad, and W. G. Poelstra, to United States of America, Army. Method for securing structures in precise geometric relationship. 3,273,226, 9–20–66, Cl. 29—155.5.

Broussalian, George L., to Monsanto Co. Complexes of SO with nitriles, method of preparation thereof and method of sulfonation or sulfation therewith. 3,287,389, 11–22–66, Cl. 260—458.

Broussard, Clifford J.: *See*—
Broussard, Garfford J. and C. J. 3,256,602.

Broussard, Frank P., to Texaco Inc. Flood gate. 3,264,829, 8–9–66, Cl. 61—28.

Broussard, Garfford J. and C. J. Orthodontic appliance. 3,256,602, 6–21–66, Cl. 32—14.

Broussard, Gerald R., to Texas Instruments Inc. Voltage regulator utilizing semiconductor device. 3,265,954, 8–9–66, Cl. 322—28.

Broussard, Leo, W. J. Mattox, W. F. Arey, W. A. Knarr, and S. M. Laurent, to Esso Research and Engineering Co. Crystalline synthetic zeolites for the hydrocracking of hydrocarbons. 3,287,255, 11–22–66, Cl. 208—111.

Broussaud, Georges, to C.S.F.-Compagnie generale de telegraphie Sans Fil. Systems for calculating the coordinates of a point at the surface of the earth. 3,254,341, 5–31–66, Cl. 343—112.

Broussean, John M., and G. R. Telle, to Hughes Aircraft Co. Voltage regulator with non-linear feedback compensation. 3,241,045, 3–15–66, Cl. 323—22.

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Bardwell, Francis G., and Brouwer. 3,289,540.

Brouwer, Frans, to Stewart-Warner Corp. Apparatus for positioning machine elements. 3,241,389, 3–22–66, Cl. 74—424.8.

Brouwer, Frans, to Stewart-Warner Corp. Contour lathe control. 3,246,548. 4–19–66, Cl. 82—14.

Brouwer, Frans, to Stewart-Warner Corp. Height control transducer. 3,290,032, 12–6–66, Cl. 266—23.

Brouwer, Frans, and F. L. Sobchak, to Stewart-Warner Corp. Photosensitive calibrated kerf control. 3,268,731, 8–23–66, Cl. 250—202.

Brouwer, John J., D. H. Busam, and E. J. Hlinsky, to Goodman Mfg. Co. Furnace charger. 3,279,628, 10–18–66, Cl. 214—26.

Brouwer, Pieter H. J., to North American Philips Co., Inc. Bimetallic switch cutout. 3,261,947, 7–19–66, Cl. 200—113.

Broverman, Irwin: *See*—
Eichelman, George H., Jr., and Broverman. 3,287,180.
Eichelman, George H., Jr., and Broverman. 3,290,182.

Broverman, Irwin, and G. Jagaciak, to Olin Mathieson Chemical Corp. Composite aluminum article and method for obtaining same. 12–27–66, Cl. 29—157.3.

Browell, Leslie J., and A. Bradley, to Automatic Telephone & Electric Co., Ltd. Automatic telephone systems. 3,281,-540, 10–25–66, Cl. 179—22.

Brower, David F., to General Dynamics Corp. Forming device and method. 3,279,228, 10–18–66, Cl. 72—56.

Brower, David F., and G. B. Hayward, to General Dynamics Corp. Electromagnetic devices. 3,231,842, 1–25–66, Cl. 336—182.

Brower, David F., and R. A. Conrad, to General Dynamics Corp. Charging circuit. 3,247,440, 4–19–66, Cl. 320—1.

Brower, David F., and E. A. Day, to General Dynamics Corp. Forming device. 3,282,077, 11–1–66, Cl. 72—56.

Brower, Jans B.: *See*—
Lopasic, Alexander Z., and Brower. 3,238,334.

Brower, Jerome S., and T. W. Royer, to Aerojet-General Corp. Sensitized ammonium nitrate explosives containing a hydrogen ion indicator. 3,255,057, 6–7–66, Cl. 149—2.

Brown, Adolph M.: 20% each to E. C. Wood, and R. G. Le Vaux. Clip applicator. 3,234,636, 2–15–66, Cl. 29—212.

Brown, Adolph M., deceased (by M. E. Brown, administratrix), 20% each to R. G. Le Vaux and E. C. Wood. Skin and surgical clips. 3,273,562, 9–20–66, Cl. 128—337.

Brown, Albert: *See*—
Eckert, John P., Jr., Brown, Hulls, and Brinker. 3,284,-635.

Brown, Albert C., to Hughes Aircraft Co. Electrical connector. 3,252,126, 5–17–66, Cl. 339—99.

Brown, Alfred W.: *See*—
Janetos, Nicholas S., and Brown. 3,245,316.

Brown, Alfred W., to Owens-Corning Fiberglas Corp. Production of polarizing elements. 3,291,868, 12–13–66, Cl. 204—2.

Brown, Alfred W., and D. E. Leary, to Owens-Corning Fiberglas Corp. Dielectric panels. 3,258,387, 6–28–66, Cl. 161—140.

Brown, Allen E., F. J. Suellentrop, E. Rule, and D. J. Hodgson, to Lockheed Aircraft Corp. Acoustic fluid metering device. 3,290,934, 12–13–66, Cl. 73—194.

Brown, Amos P., to Joy Mfg. Co. Boring head arms expansible in fixed ratio. 3,285,665, 11–15–66, Cl. 299—80.

Brown, Andrew. Golf putting target with ball return means. 3,264,000. 8–2–66, Cl. 273—179.

Brown, Anthony R. G.: *See*—
Bertschi, Rolf. 3,242,417.
Bickerdike, Robert L., and Brown. 3,238,054.

Brown, Archer W.: *See*—
Potter, Kenneth F., Brown, and Montgomery. 3,278,045.

Brown, Arlie L., N. F. Cook, H. E. Hackney, E. J. Hulsey, C. H. Mueller, J. B. Wegmann, and W. C. Swanker to The McNeil Corp. Record player. 3,275,327, 9–27–66, Cl. 274—10.

Brown, Arling D., Jr., and C. L. Morris, to Clevite Corp. Moving coil magnetic pen recorder with coupled driving and velocity coils and a mutual inductance compensating bucking signal coil. 3,281,688, 10–25–66, Cl. 324—125.

Brown, Arnold E.: *See*—
Lescher, George W., Denny, and Brown. 3,292,300.

Brown, Arnold R., to General Motors Corp. Wheel cover. 3,287,067, 11–22–66, Cl. 301—37.

Brown, Arthur C. L.: *See*—
Currey, Charles H., Bendell, Brown, and Haselwood. 3,289,170.

Brown, Arthur E., and J. A. Naab, to Ingersoll-Rand Co. Gear-rotor motor-compressor. 3,250,459, 5–10–66, Cl. 230—141.

Brown, Arthur E., and H. Stern, to General Electric Co. Propulsor. 3,265,027, 8–9–66, Cl. 114—66.5.

Brown, Arthur E., and R. J. Fischer, to United States of America, Army. Method of firing ceramics. 3,283,044, 11–1–66, Cl. 264—58.

Brown, Arthur G., W. W. Lee, and K. M. Sancier, to Procter & Gamble Co. Preparation of dichlorocyanurate, sodium tripolyphosphate and sodium sulfate containing bleaching, sterilizing and disinfecting composition. 3,293,188, 12–20–66, Cl. 252—187.

Brown, Arthur S.: *See*—
Hildum, Jack E., and Brown. 3,263,368.

Brown, Arthur T. Method of producing shell roof structure. 3,263,322, 8–2–66, Cl. 29—446.

Brown, Bernard, and H. R. Brandt, to A. B. Dick Co. Roller inspection gage with transparent rod as one of support members. 3,292,483, 12–20–66, Cl. 88—14.

Brown, Bernard B.: *See*—
Clegg, John M., and Brown. 3,271,249.

Brown, Boveri & Cie, Aktiengesellschaft: *See*—
Anwander, Elmar. 3,246,194.
Becke, Ludwig. 3,281,551.
Chaboseau, Jean C. 3,281,115.
Chaboseau, Jean. 3,288,434.
Charpentier, Rene, Georges-Francois, and Zaba. 3,280,-555.

Brown, Boveri & Cie, Aktiengesellschaft: *See*—Continued
Depenbrock, Manfred. 3,229,189.
Depenbrock, Manfred. 3,241,037.
Depenbrock, Manfred. 3,274,482.
Dzung, Lang S. 3,294,990.
Erismann, Oskar. 3,271,579.
Ernsting, Jurgen. 3,264,439.
Faber, Guy. 3,240,572.
Floessel, Carl D. 3,239,636.
Floessel, Carl D. 3,277,262.
Floessel, Carl D. 3,286,066.
Floessel, Dieter. 3,240,910.
Floessel, Dieter. 3,242,251.
Floessel, Dieter, and Manthe. 3,271,003.
Frowein, Egbertus. 3,236,933.
Frowein, Egbertus. 3,236,983.
Frowein, Egbertus A. 3,234,322.
Frowein, Egbertus A. 3,235,774.
Frowein, Egbertus A. 3,280,288.
Gassner, Hans-Jurgen. 3,283,380.
Giammona, Salvatore, Holzinger, and Honlinger. 3,256,414.
Giger, Johannes. 3,292,242.
Guth, Egbert. 3,238,069.
Herger, Hans, and Wunsch. 3,291,379.
Holzinger, Karl. 3,248,507.
Hori, Konrad, and Slameczka. 3,240,224.
Induni, Giovanni. 3,293,496.
Keller, Eduard. 3,237,063.
Kuhn, Alfred, and Vollmann. 3,240,001.
Lenz, Rudolf. 3,279,001.
Lenz, Rudolf, and Meyer zu Hoberge. 3,293,705.
Ludwig, Ernst. 3,241,034.
Mayer, Albert. 3,248,505.
Meyer, Eugen. 3,255,298.
Murtz, Hans-Josef, and Jensko. 3,259,729.
Passaquin, Jean. 3,250,970.
Pettersen, Johan. 3,292,900.
Pettersen, Johan, and Baumann. 3,240,422.
Plust, Heinz-Gunther, and Telschow. 3,248,787.
Rauhut, Paul. 3,255,368.
Rosner, Manfred. 3,247,405.
Roth, Heinz. 3,281,814.
Ruffieux, Stanislas. 3,256,415.
Sacer, Jose. 3,273,010.
Sarbach, Ewald. 3,246,199.
Saur, Eugen. 3,252,832.
Scharll, Otto. 3,242,390.
Schneider, Jost. 3,231,705.
Schubert, Helmut. 3,291,946.
Schulten, Rudolf. 3,293,138.
Weinsheimer, Rudolf, Murtz, Winkenbach, Fay, and Anger. 3,258,727.
Weissnaar, Erich, Spickenreuther, and Brischnik. 3,248,-615.
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Brown, Boveri & Co. Ltd.: *See*—
Bruckhoff, Hans. 3,247,333.

Brown Bros. & Co. Ltd.: *See*—
Fanshawe, Hew D. 3,279,409.
Henderson, James. 3,257,983.

Brown, Burvelle E.: *See*—
Brown, Milton E. 3,254,891.

Brown, C. C.: *See*—
Mott, James D. 3,282,342.

Brown, Carl F., Jr., and G. F. Florstedt, to Prismo Safety Corp. Method of plating metal article with metal. 3,287,-157, 11–22–66, Cl. 117—102.

Brown, Caroll J., to International Business Machines Corp. Detector for information signals having an extremely low signal-to-noise ratio. 3,248,658, 4–26–66, Cl. 328—165.

Brown, Carter N.: *See*—
Van Heyningen, Earle M., and Brown. 3,239,516.

Brown, Cecil S. Electric cooker with heated rock beds. 3,286,620, 11–22–66, Cl. 99—446.

Brown, Charles B. Aircraft spinner assembly. 3,228,476. 1–11–66, Cl. 170—135.743.

Brown, Charles C., to Gulf Oil Corp. Ladder. 3,259,209, 7–5–66, Cl. 182—189.

Brown, Charles E., to United States of America, Navy. Strip transmission line ferrite filter-limiter having a ferrite sphere positioned beneath overlapping conductors. 3,289,-112, 11–29–66, Cl. 333—24.2.

Brown, Charles H., and R. J. Haddix; ¼ each to said C. H. Brown, I. V. K. Hott, and W. E. Warren. Portable service lift. 3,271,006, 9–6–66, Cl. 254—2.

Brown, Charles K., Jr.: *See*—
Lacy, Johnson W., and Brown. 3,255,897.

Brown, Charles K., Jr. Autoclave decompression system. 3,239,200, 3–8–66, Cl. 261—64.

Brown, Charles R., to United States of America, Navy. Compact hold-down and vertical shock mount. 3,266,373, 8–16–66, Cl. 89—1.7.

Brown, Charles R., to United States of America, Navy. Missile launching tube seal. 3,289,533, 12–6–66, Cl. 89—1.810.

Brown, Charles S., to The United States Stoneware Co. Total redistributor. 3,259,380, 7–5–66, Cl. 261—97.

Brown, Charles S., to Sechrist Mfg. Co. Adjustable ceiling fixtures. 3,286,090, 11–15–66, Cl. 240—78.

Brown, Charles W., and G. E. Stone, to General Precision, Inc. Memory sector selection circuit. 3,289,174, 11–29–66, Cl. 340—172.5.

Brown, Chester J., Jr., to Libbey-Owens-Ford Glass Co. Method of and apparatus for mixing glass batch materials. 3,258,253, 6–28–66, Cl. 259—146.

Brown, Christopher K.: *See*—
Skoog, Donald K., and Brown. 3,292,369.

Brown, Christopher K., to Ingersoll-Rand Co. Forming and testing apparatus. 3,271,281, 9–6–66, Cl. 204—143.

Brown, Christopher K., to Ingersoll-Rand Co. Torque device. 3,289,407, 12–6–66, Cl. 60—54.5.

Brown, Cicero C.: *See*—
Brown, Joe R. 3,248,129.
Mott, James D. 3,291,220.

Brown, Cicero C. Method and apparatus for releasing wall-stuck pipe. 3,236,307, 2–22–66, Cl. 166—43.

Brown, Cicero C. Rotary pipe cutting device having pipe clamping means and ratchet feed means for the cutter. 3,253,336, 5–31–66, Cl. 30—98.

Brown, Cicero C. Liner setting and crossover cementing tool for wells. 3,253,655, 5–31–66, Cl. 166—120.

Brown, Cicero C. Straight-set retrievable packer. 3,253,656, 5–31–66, Cl. 166—129.

Brown, Cicero C., to Brown Oil Tools, Inc. Well pipe sealing device. 3,253,835, 5–31–66, Cl. 277—35.

Brown, Cicero C. Liner cementing apparatus. 3,260,309, 7–12–66, Cl. 166—124.

Brown, Cicero C. Screw-set high-pressure packer. 3,260,310, 7–12–66, Cl. 166—131.

Brown, Cicero C., to Brown Oil Tools, Inc. Rotary stripper for well pipe strings. 3,268,233, 8–23–66, Cl. 277—31.

Brown, Cicero C. Anchoring means assembly. 3,279,542, 10–18–66, Cl. 166,139.

Brown, Cicero C. Screw-set packer. 3,283,821, 11–8–66, Cl. 166—134.

Brown, Cicero C. Multiple string manual operated elevator. 3,287,776, 11–29–66, Cl. 24—81.

Brown, Cicero C. Coupling device for underwater wellheads. 3,288,493, 11–29–66, Cl. 285—3.

Brown, Cicero C. Well tools, such as well packers. 3,294,172, 12–27–66, Cl. 166—139.

Brown, Cicero C., and C. E. Wakefield, Jr., to Richfield Oil Corp. Well casing hanger and method for hanging same. 3,279,539, 10–18–66, Cl. 166—27.

Brown Citrus Machinery Corp.: *See*—
Andrews, Richard A., and Rickard. 3,235,087.
Foss, Harry A. 3,280,726.
Leslie, Harry A., Holbrook, and Andrews. 3,245,339.
Rickard, Donn J., Holbrook, and Gill. 3,250,210.
White, David U., and Rebeck. 3,272,116.

Brown, Clarence K. Electrical connector and clamp. 3,253,248, 5–24–66, Cl. 339—99.

Brown, Clarence K., to Hi-Shear Corp. Separable fastener assembly. 3,261,261, 7–19–66, Cl. 89—1.

Brown, Clifford K. Magnetic direction and inclination indicating device. Re. 26,109, 11–8–66, Cl. 33—205.5.

Brown Co.: *See*—
Buttery, Kenneth T. 3,281,057.
Buttery, Kenneth T. 3,281,058.
Buttery, Kenneth T., and Froom. 3,281,059.
Buttery, Kenneth T., and Nuyen. 3,281,053.
Buttery, Kenneth T., and Nuyen. 3,281,054.
Buttery, Kenneth T., and Nuyen. 3,281,055.
Coe, Merrill J. 3,294,309.
Coe, Merrill J., and Rice. 3,285,493.
Rumberger, George G. 3,284,248.
Rumberger, George G. 3,284,279.
Rumberger, George G. 3,286,906.
Rumberger, George G. 3,293,057.

Brown, Curtis L. Automatic timing and dispensing device. 3,228,562, 1–11–66, Cl. 222—70.

Brown, D. S., Co., The: *See*—
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Brown, Delmont D. 3,261,735.
Brown, Howard R. 3,230,677.
Brown, Howard R. 3,279,124.
Brown, Howard R. 3,286,425.
Pax, James H. 3,261,646.

Brown, Dale G.: *See*—
Teot, Arthur S., and Brown. 3,248,335.

Brown, David, to Halcon International, Inc. Hydrochlorination of ethylene. 3,247,267, 4–19–66, Cl. 260—663.

Brown, David, Tractors Ltd.: *See*—
Ashfield, Herbert E. 3,256,940.
Ashfield, Herbert E. 3,258,075.
Dearnley, Kenneth, and Eastwood. 3,286,541.
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Brown David L.: *See*—
Ardito, Michael, Brown, Gollura, Drexler, Krause, and Neithardt. 3,279,073.
Dearnley, Kenneth. 3,279,572.

Brown, David T., and F. F. Sellers, Jr., to International Business Machines Corp. Binary to ternary code conversion recording system. 3,274,611, 9–20–66, Cl. 346—74.

Brown, Dayton F., Inc.: *See*—
Miller, Roy G. 3,260,053.

Brown, Delmont D.: *See*—
Conway, Thomas F. 3,281,099.

Brown, Delmont D., to The D. S. Brown Co. Tool for compressing and inserting compressible strips in slots. 3,246,390, 4–19–66, Cl. 29—235.

Brown, Delmont D., to The D. S. Brown Co. Method for forming tubular pipe coupling. 3,261,735, 7–19–66, Cl. 156—158.

Brown, Delmont D., and W. H. J. Lown, deceased (by G. W. Lown, executor). Desander. 3,237,777, 3–1–66, Cl. 210—512.

Brown, Delos B., to Corning Glass Works. Dispensing from plural sources. 3,244,328, 4–5–66, Cl. 222—136.

Brown, Dennis C., and E. W. Dickson, to Associated Engineering Ltd. Method of making a tool for electrochemical machining. 3,271,281, 9–6–66, Cl. 204—143.

Brown, Donald A., to Donn Products, Inc. Self-supporting paneled structure and method of constructing same. 3,276,171, 10–4–66, Cl. 52—86.

Brown, Donald N., to Corning Glass Works. Method and apparatus for producing glass sheet. 3,243,275, 3–29–66, Cl. 65—65.

Brown, Donald W.: *See*—
Webb, James E. 3,287,725.

Brown, Douglas M., to Sperry Rand Corp. Magnetic core memory readout. 3,289,184, 11–29–66, Cl. 340—174.

Brown, Earl H., and W. D. Wilhide, to Tennessee Valley Authority. Preparation of oxamide. 3,281,346, 10–25–66, Cl. 204—105.

Brown, Edgar D., Jr., to General Electric Co. Organopolysiloxane lubricants. 3,291,735, 12–13–66, Cl. 252—49.6.

Brown, Edward A., to G. D. Searle & Co. 9α-fluoro-5',11β-dihydroxy - 4',5' - dihydrospiro[androst-4-ene-17,2'(3'H)-furan]-3-one, corresponding 5'-ethers, and precursor. 3,258,458, 6–28–66, Cl. 260—239.55.

Brown, Edward G. Drafting compass. 3,247,597, 4–26–66, Cl. 33—153.

Brown, Edward I.: *See*—
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Brown, Edwin A., G. H. Foster, and T. Schafer, to International Rectifier Corp. Method of manufacturing composite metallic rolls. 3,254,381, 6–7–66, Cl. 22—200.5.

Brown, Edwin C., and G. Woolman, to Baldwin-Lima-Hamilton Corp. Hydraulic winch control mechanism. 3,249,336, 5–3–66, Cl. 254—150.

Brown, Edwin C., G. Woolman, and R. D. Brownell, to Baldwin-Lima-Hamilton Corp. Multiple-purpose fork lift truck. 3,259,257, 7–5–66, Cl. 214—75.

Brown, Edwin C., and G. Woolman, to Baldwin-Lima-Hamilton Corp. Load handling vehicle. 3,270,899, 9–6–66, Cl. 214—75.

Brown, Elmer E., to Rex Chainbelt Inc. Pneumatic conveyor system and method. 3,268,266, 8–23–66, Cl. 302—49.

Brown, Elvin E., and F. W. Johnson, to Collins Radio Co. Quick release tape spool. 3,266,746, 8–16–66, Cl. 242—68.3.

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Brown, Eric A., to O'Brien Mfg. Corp. Discharge derrick for a sewer cleaning drag bucket. 3,231,113, 1–25–66, Cl. 214—105.

Brown, Eric D., to Dow Corning Corp. Polysiloxane gum crepe aging preventive hydroxylated silicon compound with ammonium carbonate or bicarbonate. 3,268,473, 8–23–66, Cl. 260—37.

Brown, Ernest C., and R. S. Temple, to Wolverine Corp. Apparatus for the continuous treatment of solid particles in a fluidized state. 3,262,217, 7–26–66, Cl. 34—57.

Brown, Ernest C., and R. S. Temple, to Wolverine Corp. Apparatus for treating solid particles in a fluidized state. 3,263,339, 8–2–66, Cl. 34—57.

Brown, Ervin A. Oscillating pole recreation device. 3,250,532, 5–10–66, C. 272—60.

Brown, Ethan A. Syringe and method of injection. 3,244,172, 4–5–66, Cl. 128—218.

Brown, Everett S., Sr. Heating and humidifying static eliminating apparatus. 3,292,043, 12–13–66, Cl. 317—2.

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Brown, John W., Jr., Buesing, and Kaiser. 3,260,591.
Brown, John W., Jr., Buesing, and Kaiser. 3,275,244.
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Brown, Ford J., B. M. Eckhaus, and N. F. Gubitose, to Western Electric Co., Inc. Apparatus for orienting articles. 3,253,735, 5–31–66, Cl. 221—9.

Brown, Francis B.: *See*—
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Coberly, Clarence J., Brown, and Williams. 3,249,062.

Brown, Francis W., and F. L. Keck, to Minnesota Mining and Mfg. Co. Interpolymers comprising N-alkyl acrylamides, certain acrylic esters and/or N-vinyl pyrrolidone. 3,285,888, 11–15–66, Cl. 260—80.5.

Brown, Francis X., and L. K. Poole, to Westinghouse Electric Corp. Welded assembly and method of making such assembly. 3,257,710, 6–28–66, Cl. 29—157.3.

Brown, Frank: *See*—
Fisher, Gene J., Brown, and Heinz. 3,254,053.

Brown, Frank E.: *See*—
Hungerford, Richard C., and Brown. 3,279,482.
Srigley, Leland R., and Brown. 3,256,978.

Brown, Frank E. Container-dispenser. 3,245,587, 4–12–66, Cl. 222—182.

Brown, Frank H.: *See*—
St. Denny, Ralph B., and Brown. 3,248,983.

Brown, Frank W., III. Solar radiation simulator. 3,277,331, 10–4–66, Cl. 313—224.

Brown, Garland R., to Mallinckrodt Chemical Works. Barium sulfate and low viscosity monosaccharide polymer X-ray contrast media. 3,236,735, 2–22–66, Cl. 167—95.

Brown, Gaylord W., and D. J. Rise, to Brown Machine Co. Finishing machine. 3,228,086, 1–11–66, Cl. 29—33.

Brown, Geery B.: *See*—
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Brown, Geoffrey F.: *See*—
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Brown, George A.: *See*—
Carel, Alfred B., and Brown. 3,267,647.
Kemper, Clarence A., Harper, and Brown. 3,277,660.
Kemper, Clarence A., Harper, and Brown. 3,288,685.

Brown, George E., to Atlantic Research Corp. Combustible cartridge case of felted, fibrous material with synthetic resin and process. 3,280,746, 10–25–66, Cl. 102—43.

Brown, George E., Jr., K. L. Hackley, D. H. Nowak, and E. A. Wolff, to The Champion Papers, Inc. Apparatus for coating webs with polymerizable materials. 3,279,424, 10–18–66, Cl. 118—119.

Brown, George J.: *See*—
Parkinson, Robert C., Brown, and Zuehlke. 3,263,504.

Brown, George L.: *See*—
Schmidle, Claude J., and Brown. 3,232,903.
Schmidle, Claude J., and Brown. 3,255,135.

Brown, George L., to Automatic Electric Laboratories, Inc. Telephone ringer. 3,284,798, 11–8–66, Cl. 340—397.

Brown, George M. Method and apparatus for making ceramic molds. 3,267,527, 8–23–66, Cl. 22—14.

Brown, George T., Jr., to The National Cash Register Co. Impelled powdered ink printing device and process using intaglio means. 3,279,367, 10–18–66, Cl. 101—150.

Brown, George W., to Gainesville Machine Co., Inc. Apparatus for scalding fowls at multiple temperatures. 3,253,296, 5–31–66, Cl. 17—11.2.

Brown, George W., and C. V. Corn, to Gainesville Machine Co., Inc. Picking machine with multiple finger action. 3,235,904, 2–22–66, Cl. 17—11.1.

Brown, Glenn L.: *See*—
Lehan, Frank W., and Brown. 3,240,108.

Brown, Gordon, and N. T. Barrett, to United Kingdom Atomic Energy Authority. Nuclear reactor installation with improved containment housing. 3,234,102, 2–8–66, Cl. 176—60.

Brown, Gordon, and A. Firth, to United Kingdom Atomic Energy Authority. Nuclear reactor including energy dissipation device for falling bodies. 3,240,676, 3–15–66, Cl. 176—43.

Brown, Gordon H., to Whirlpool Corp. Rotary head coffee infusor. 3,229,612, 1–18–66, Cl. 99—282.

Brown, Gordon P., to General Electric Co. Epoxy resin compositions. 3,227,679, 1–4–66, Cl. 260—47.

Brown, Gordon P., and R. J. Blackinton, to General Electric Co. Meta-polyphenoxylene polymers. 3,268,478, 8–23–66, Cl. 260—47.

Brown, Gordon R., R. W. Kearns, and K. J. Law, to Tann Corp. Magnetically actuated control device. 3,259,706, 7–5–66, Cl. 200—61.46.

Brown, Gordon S., to North American Aviation, Inc. Viscous and non-viscous material processing system. 3,243,163, 3–29–66, Cl. 259—7.

Brown, Graham: *See*—
Woodford, David M., and Brown. 3,291,769.

Brown, Graydon L., to Continental Oil Co. Seismic torsional wave generator. 3,280,935, 10–25–66, Cl. 181—.5.

Brown, Graydon L., D. W. Fair, L. E. Jarrett, Jr., and L. H. Berryman to Continental Oil Co. Direct drive method and apparatus for generating seismic vibratory signals. 3,282,372, 11–1–66, Cl. 181—.5.

Brown, Graydon L., J. R. Cole, D. W. Fair, and D. S. Sullivan, to Continental Oil Co. Method and apparatus for minimizing effects of phase distortion in seismic prospecting. 3,293,598, 12–20–66, Cl. 340—15.5.

Brown, Harold J. Transistor power supply. 3,281,716, 10–25–66, Cl. 331—113.

Brown, Harold R., to The D. S. Brown Co. Corner portions for elastomer gaskets. 3,279,124, 10–18–66, Cl. 49—479.

Brown, Harry M., to Phillips Petroleum Co. Plastic-lined conduit. 3,264,014, 8–2–66, Cl. 285—55.

Brown, Harvey J., to Lundy Electronics and Systems, Inc. Flare ignition device. 3,263,563, 8–2–66, Cl. 89—1.5.

Brown, Henry: *See*—
Clauss, Richard J., and Brown. 3,264,200.
Creutz, Hans-Gerhard, and Brown. 3,288,690.
Tomaszewski, Thaddeus W., and Brown. 3,268,307.
Tomaszewski, Thaddeus W., and Brown. 3,268,308.
Tomaszewski, Thaddeus W., and Brown. 3,268,423.

Brown, Henry, and T. W. Tomaszewski, to The Udylite Corp. Method of depositing a corrosion resistant composite nickel electroplate. 3,268,424, 8–23–66, Cl. 204—41.

Brown, Henry, and E. A. Romanowski, to The Udylite Corp. Electrodeposition of chromium. 3,282,812, 11–1–66, Cl. 204—51.

Brown, Herbert C. Optically active organoboranes. 3,254,129, 5–31–66, Cl. 260—606.5.

Brown, Herbert C. Preparation of aldehydes from acid halides. 3,277,178, 10–4–66, Cl. 260—598.

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Brown, Horace D.: *See*—
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Brown, Horace D., to Merck & Co., Inc. 2-pyronyl and 2-thiapyronyl benzazoles. 3,278,547, 10–11–66, Cl. 260—309.2.

Brown, Howard M., and T. R. Pezzack, to Union Carbide Canada Ltd. Tamped connections. 3,244,610, 4–5–66, Cl. 204—279.

Brown, Howard R., to The D. S. Brown Co. Sealing structure and related structures. 3,230,677, 1–25–66, Cl. 52—208.

Brown, Howard R., to The D. S. Brown Co. Joint seals. 3,286,425, 11–22–66, Cl. 52—396.

Brown, Hu C., to Ford Motor Co. Hose coupling connect and disconnect mechanism. 3,279,827, 10–18–66, Cl. 285—1.

Brown, Hubert N.: *See*—
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Brown, Hugh M., to The Sheffield Corp. Fiber separator. 3,286,306, 11–22–66, Cl. 19—65.

Brown, Ira D.: *See*—
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Brown, William H., and K. G. Hrishikesan, to Reynolds Metals Co. Process for the production of alumina. 3,240,-562, 3–15–66, Cl. 23—143.

Brown, William H. Jr., to FMC Corp. Process for quenching films. 3,258,515, 6–28–66, Cl. 264—177.

Brown, William J. Machine guards. 3,276,557, 10–4–66, Cl. 192—134.

Brown, William J., R. A. Miller, and H. O. Sautter, to Bell Telephone Laboratories, Inc. Shaft positioning system. 3,280,269, 10–18–66, Cl. 179—90.

Brown, William L., to Boyne Products, Inc. Combined vehicle direction and flare signal. 3,235,837, 2–15–66, Cl. 340—81.

Brown, William L., to Boyne Products, Inc. Direction signaling and auxiliary switching apparatus. 3,240,890, 3–15–66, Cl. 200—61.34.

Brown, William L., and R. F. Winogrocki, to Boyne Products, Inc. Latching and unlatching direction signal operating apparatus. 3,239,619, 3–8–66, Cl. 200—61.34.

Brown, William N., and J. J. Henry, to Fort Wayne Tool & Die, Inc. Stator winding machine and tooling therefor. 3,253,792, 5–31–66, Cl. 242—1.1.

Brown, William O.: *See*—
Cooke, Claude E., Jr., Brown, and Perkins. 3,251,412.

Brown, William R.: *See*—
Loudon, James, and Brown. 3,276,800.

Brown, William R., to Pfaudler Permutit Inc. Venturi tube. 3,273,390, 9–20–66, Cl. 73—213.

Brown, William W.: *See*—
Hagius, Homer H., and Brown. 3,293,864.

Brownawell, Darrell W.: *See*—
Englbart, John E., Berkowitz, and Brownawell. 3,269,-809.
Robbins, Max L., and Brownawell. 3,279,901.

Brownawell, Darrell, and H. N. Miller, to Esso Research and Engineering Co. Flow characteristics of waxy petroleum residuum. 3,248,186, 4–26–66, Cl. 44—62.

Brownawell, Darrell W., and W. C. Hollyday, Jr. to Esso Research and Engineering Co. Middle distillate fuel composition. 3,275,427, 9–27–66, C. 44—62.

Brown and Williamson Tobacco Corp.: *See*—
Domeck, Corneal L., Jr., and Spivey. 3,258,117.
Kirwan, John J. 3,234,040.

Browne, Andrew T.: *See*—
Wallace, George A., and Browne. 3,235,895.

Browne, Andrew T., and A. H. Schwab, to Globe Hoist Co. Rotating lift. 3,232,448, 2–1–66, Cl. 214—1.

Browne, Kenneth A., to The Chesapeake and Ohio Railway Co. Railway-highway vehicle truck. 3,286,657, 11–22–66, Cl. 105—215.

Browne-Morse Co.: *See*—
Wilson, Durward D., and Walhout. 3,290,106.

Browne, Stewart R., Mfg. Co., Inc.: *See*—
Haas, Paul C. 3,249,749.

Browne, Thomas E., Jr.: *See*—
Strom, Albert P., and Browne. 3,249,810.

Brownell, Carl A., Jr. Smog accumulation preventing apparatus. 3,272,435, 9–13–66, Cl. 239—14.

Brownell, Dudley C., D. J. Dickens, G. R. Hoffman, and D. W. MacGlashan, to The Bendix Corp. Microwave amplifier. 3,248,662, 4–26–66, Cl. 330—61.

Brownell, John E., to Fisher Industries. Flame arrester. 3,287,094, 11–22–66, Cl. 48—192.

Brownell, Roy D.: *See*—
Brown, Edwin C., Woolman, and Brownell. 3,259,257.

Brownfield, Robert B., to American Cyanamid Co. Method of phosphorylating hydroxy steroids and products resulting therefrom. 3,268,562, 8–23–66, Cl. 260—397.4.

Browning, Arthur J. Luggage sling. 3,257,051, 6–21–66, Cl. 224—29.

Browning, Arthur J. Suitcase attachment. 3,257,120, 6–21–66, Cl. 280—47.17.

Browning, Carolynn P. Educational game apparatus. 3,267,-590, 8–23–66, Cl. 35—31.

Browning, Iben. Photographic recording and reproduction method and apparatus. 3,267,826, 8–23–66, Cl. 95—18.

Browning, Iben. Photographic reproduction apparatus. 3,291,555, 12–13–66, Cl. 352—244.

Browning Industries, Inc.: *See*—
Donaldson, Stanley. 3,257,749.
Heiter, Harry E. 3,280,494.
Lewis, Karl R. 3,237,336.

Browning, James A., to H. E. Fletcher Co. Method and apparatus for producing flame jet and controlling temperature and flame stability of same. 3,255,802, 6–14–66, Cl. 158—4.

Browning, James A., to Thermal Dynamics Corp. Electric arc torches. 3,272,959, 9–13–66, Cl. 219—75.

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Millsaps, Frank W., and Browning. 3,278,028.

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D'Andrea, Angelo R., Walsh, and Browning. 3,257,258.

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McGrew, James C., and Hoffman. 3,234,617.

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Mansfield, David F. G., Browning, and Smith. 3,263,410.
Mansfield, David F. G., Browning, Smith, and Davies. 3,263,408.

Browning, William W.: *See*—
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Brownlee, Allen L., and S. K. Smart, to Globe Skate Corp. Adjustable toe fastener for roller skates. 3,279,808, 10–18–66, Cl. 280—11.31.

Brownlee, Winston E., to Parsons Corp. Helicopter rotor blade spar structure. 3,239,011, 3–8–66, Cl. 170—159.

Brownlee, Winston E., and J. L. Ritchey, to Parsons Corp. Inflatable tool for applying bonding pressure to patterned areas. 3,285,794, 11–15–66, Cl. 156—581.

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Brownlie, Isaac A., and G. A. Wemyss, to Scottish Agricultural Industries Ltd. Trough mixers. 3,244,408, 4–5–66, Cl. 259—6.

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Bartkus, Edward A., Brownlow, Elfant, and Grebe. 3,243,870.

Brownlow, James M., to International Business Machines Corp. Magnetic memory element. 3,267,443, 8–16–66, Cl. 340—174.

Brownlow, James M., and K. R. Grebe, to International Business Machines Corp. Arrays of magnetic circuit elements. 3,229,265, 1–11–66, Cl. 340—174.

Brownrigg, Gerald K. A., to Possis Machine Corp. Apparatus for preparing specimens for chromatographic analysis. 3,266,554, 8–16–66, Cl. 159—5.

Brownrigg, Gerald K. A., and N. M. Clark, to Possis Machine Corp. Powered forceps. 3,266,494, 8–16–66, Cl. 128—321.

Brownscombe, Eugene R.: *See*—
Luehrmann, William H., Bradley, and Brownscombe. 3,239,311.

Brownscombe, Eugene R., H. F. Dunlap, L. R. Kern, and T. K. Perkins, to The Atlantic Refining Co. Saline water conversion by subsurface processes. 3,283,813, 11–8–66, Cl. 166—9.

Brownson, Le Roy O.: *See*—
Still, Paul F., and Brownson. 3,258,731.

Brownyer, Nelson R., and L. J. Jelsch, to Rockwell-Standard Corp. Vehicle suspension. 3,231,258, 1–25–66, Cl. 267—31.

Brownyer, Nelson R., and J. C. Cumming, to Rockwell Standard Corp. Torque responsive brake system. 3,254,742, 6–7–66, Cl. 188—152.

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Brozlat, Horst. Mobile crane having a double-armed jib. 3,285,445, 11–15–66, Cl. 212—38.

Brozowski, Vincent: *See*—
Klass, Donald L., and Brozowski. 3,274,204.

Brubaker, Alvah F. Portable shuffleboard court. 3,228,692, 1–11–66, Cl. 273—126.

Brubaker, James E., to United States of America, Atomic Energy Commission Nuclear fuel module. 3,285,821, 11–15–66, Cl. 176—29.

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Brubaker, Wilson M., to Bell & Howell Co. Quadrupole mass filters with introductory ion accelerating field proportional to the quadrupole electric field. 3,235,724, 2–15–66, Cl. 250—41.9.

Brucato, Vincent A. Cutting tool. 3,289,274, 12–6–66, Cl. 29—97.5.

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Bruce, Charles F., to The Procter & Gamble Co. Preparing a pumpable shortening composition. 3,234,029, 2–8–66, Cl. 99—123.

Bruce, Colin J., and M. G. Fekete, to Devodias (Photocopying) Ltd. Automatic separating device for photocopying machines. 3,276,771, 10–4–66, Cl. 271—18.

Bruce, George D., to International Business Machines Corp. Semi-permanent memory. 3,245,058, 4–5–66, Cl. 340—174.

Bruce, Harold P.: *See*—
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Bruce, John K., ½ to United California Bank. Dispensing apparatus. 3,231,131, 1–25–66, Cl. 221—290.

Bruce, John K., ½ to United California Bank. Stacking. 3,278,048, 10–11–66, Cl. 214—6.

Bruce, Ralph E. Apparatus for maintaining a testing fluid at a selected temperature. 3,263,740, 8–2–66, Cl. 165—26.

Bruce, Robert K.: *See*—
Potter, Edward G., and Bruce. 3,257,602.

Bruce, Ronald G.: *See*—
Fanning, Robert J., and Bruce. 3,254,212.
Fanning, Robert J., and Bruce. 3,254,213.

Bruce, William F., R. S. Hanslick, and J. Seifter, to American Home Products Corp. Process for making 2-secondary and tertiary amino-1-phenyl-ethane thiols. 3,252,976, 5–24–66, Cl. 260—247.1.

Bruchmann, Helmut: *See*—
Estes, Joseph F., and Bruchmann. 3,288,615.

Bruck, George, and P. F. G. Holst, to Avco Mfg. Corp. Television program distribution and metering system. 3,230,-302, 1–18–66, Cl. 178—5.1.

Bruck, George, and J. F. Freno, to Avco Corp. Printed circuit package with indicia. 3,272,909, 9–13–66, Cl. 174—68.5.

Bruck, Stephen D., and R. R. Rector, deceased (by R. G. Rector, administratrix), to United States of America, Navy. Micrometer controlled leak-proof syringe. 3,281,023, 10–25–66, Cl. 222—390.

Brucken, Byron L.: *See*—
Brackman, Donald A., and Brucken. 3,287,942.

Brucken, Byron L., and V. A. Williamitis, to General Motors Corp. Apparatus and method for conditioning by dry cleaning solvent. 3,269,539, 8–30–66, Cl. 210—70.

Brucken, Byron L., and J. W. Light, to General Motors Corp. Domestic appliance. 3,269,544, 8–30–66, Cl. 210—364.

Brucker, Henry J., to American Aluminum Co. Shelving assembly. 3,278,149, 10–11–66, Cl. 248—239.

Brucker, Michael A., to Brucksoe Industries, Inc. Manually operable trimming tool. 3,276,119, 10–4–66, Cl. 30—289.

Brucker, William E., to The Bendix Corp. Brake adjuster. 3,261,434, 7–19–66, Cl. 188—196.

Bruckert, Walter, and D. I-J. Wang, to Union Carbide Corp. Apparatus for improved liquid-vapor contact. 3,282,576, 11–1–66, Cl. 261—114.

Bruckhoff, Hans, to Brown, Boveri & Co. Ltd. Drive for step switches for regulating transformers, chokes and the like. 3,247,333, 4–19–66, Cl. 200—11.

Brückner, Gernot. Apparatus for the heat setting of cloth layers. 3,235,931, 2–22–66, Cl. 26—1.

Bruckner, Karl G. Mounting and centering device for milling cutters. 3,269,271, 8–30–66, Cl. 90—11.

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Bruckner, Klaus, and K. Irmscher, to E. Merck, Aktiengesellschaft. Anabolically-active 3-methylene-steroids. 3,239,-419, 3–8–66, Cl. 167—74.

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Brudenell, Thomas F.: *See*—
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Bruder, Werner A.: *See*—
Schmitz, Christian, and Bruder. 3,285,566.

Brudnak, Andrew, Jr., to International Harvester Co. Torsion bar spring draft sensing means for implement hitch mechanism. 3,241,620, 3–22–66, Cl. 172—7.

Brudney, Harry, to Dollac Div., Jacoby-Bender, Inc. Mounts for stuffed toy animal eyes. 3,234,690, 2–15–66, Cl. 46—169.

Brudney, Harry, to Dollac Division, Jacoby-Bender, Inc. Adjustable doll eye and adjusting tools. 3,252,244, 5–24–66, Cl. 46—169.

Brudney, Harry, to Jacoby-Bender, Inc. Reversed action doll eye. 3,252,245, 5–24–66, Cl. 46—169.

Brudney, Harry, to Jacoby-Bender, Inc. Mounts for stuffed toy animal eyes and means for concealing same. 3,252,246, 5–24–66, Cl. 46—169.

Brudney, Harry, to Jacoby-Bender, Inc. Method of making lashed doll eyes. 3,250,597, 6–21–66, Cl. 29—450.

Brudney, Harry, to Jacoby-Bender, Inc. Doll's eye with pearlescent iris. 3,286,394, 11–22–66, Cl. 46—169.

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Bruecker, George B., to Badger Northland, Inc. Silo unloader. 3,231,106, 1–25–66, Cl. 214—17.

Brueckmann, Helmut, to United States of America, Army. Ferrite-filled, coaxial-stub, antenna tuner. 3,293,646, 12–20–66, Cl. 343—750.

Brueckmann, Helmut L., to United States of America, Army. High-impedance radio frequency coaxial line having ferrite sleeve in dielectric space. 3,238,477, 3–1–66, Cl 333—96.

Brueckner, Alexander W., to Lynch Corp. Flowmeter. 3,240,-063, 3–15–66, Cl. 73—231.

Brueckner, John D. Drawing or vellum holder. 3,250,256, 5–10–66, Cl. 120—82.

Brueder, Antoine, to Andre Citroen Societe Anonyme. Longitudinal-elasticity suspension system. 3,252,538, 5–24–66, Cl. 180—64.

Brueder, Antoine, to Andre Citroen Societe Anonyme. Anti-skid brake system. 3,264,040, 8–2–66, Cl. 303—21.

Brueder, Antoine, to Andre Citroen Societe Anonyme. Servo steering of vehicles. 3,264,946, 8–9–66, Cl. 91—382.

Brueder, Antoine, to Andre Citroen Societe Anonyme. Automatic regulators for hydrostatic transmissions of automobile vehicles. 3,283,606, 11–8–66, Cl. 74—472.

Brueggemann, Harry P., to Conduction Corp. Full circumferential viewing system. 3,286,590, 11–22–66, Cl. 88—24.

Bruehl, Jerome J. Mechanical turning tool unit. 3,272,037, 9–13–66, Cl. 81—57.

Bruene, Warren B., and V. R. DeLong, to Collins Radio Co. Radio frequency coupling transmission line circuitry. 3,265,-994, 8–9–66, Cl. 333—17.

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Pohlemann, Heinz, Hasse, Reinbold, and Bruening. 3,282,866.

Brueninghaus & Co., Bezett KG.: *See*—
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Brueschweiler, Hans, and P. Zuppinger, to Ciba Ltd. Process for polymerizing 1,2-epoxides and tetrahydropyrans. 3,242,-104, 3–22–66, Cl. 260—2.

Bruet, Henri R., ½ to A. Cazeneuve Etablissements. Rotary motion and power transmission by rotary members slidably splined or keyed on a shaft. 3,280,649, 10–25–66, Cl. 74—230.17.

Brugger, Kenneth C., to Cooper's Inc. Strand metering means. 3,243,974, 4–5–66, Cl. 66—132.

Brugger, Kenneth C., to Cooper's Inc. Method for weaving fabric on a needle-type loom. 3,269,425, 8–30–66, Cl. 139—116.

Brugger, Louis J.: *See*—
Manetti, Fred P., and Brugger. 3,251,016.

Brugger, Richard G., to Sperry Rand Corp. Gyroscopic compasses. 3,290,787, 12–13–66, Cl. 33—226.

Brugger, Richard G., to Sperry Rand Corp. Gyroscopic compasses. 3,292,269, 12–20–66, Cl. 33—226.

Brugger, Robert, and G. Voss, to Langbein-Pfanhauser Werke A.G. Electrodeposition of copper and solutions therefor. 3,287,236, 11–22–66, Cl. 204—52.

Bruggi, Alberto. Automatic machine for the assembly of heels to the soles of shoes. 3,273,184, 9–20–66, Cl. 12—16.4.

Brugh, Latane D., Jr. Low density container for liquids. 3,263,891, 8–2–66, Cl. 229—3.1.

Brugh, Thomas H.: *See*—
Merkel, Charles M., and Brugh. 3,252,409.

Brugler, Richard K.: *See*—
Heitzel, Carl J., and Brugler. 3,255,681.

Bruhl, Jakob, to Kohlenscheidungs-Gesellschaft, m.b.H. Apparatus and method for supporting tubes. 3,267,913, 8–23–66, Cl. 122—510.

Bruijel, Hendrik D., to Motorenfabriek Thomassen, N.V. Device for the indication of the movement of an object. 3,232,096, 2–1–66, Cl. 73—37.6.

Bruin, Pieter, and M. Sluis, to Shell Oil Co. Polyurethanes from polyesters containing monocarboxylic acids. 3,244,-673, 4–5–66, Cl. 260—76.

Bruin, Pieter, and H. A. Oosterhof, to Shell Oil Co. One-step process for preparing high impact alkyd resins. 3,268,462, 8–23–66, Cl. 260—22.

Bruins, Paul F.: *See*—
Baum, Lester A. H., Bruins, and Henschel. 3,275,585.
Gerson, Lynn B., Etlenyi, and Bruins. 3,253,070.

Bruinsma, Johan, to Hoffman-La Roche Inc. Method of inducing generative organs in plants. 3,279,910, 10–18–66, Cl. 71—2.5.

Brukner, John S., and C. C. Nathan, to Texaco Inc. Well completion or workover fluid. 3,272,741, 9–13–66, Cl. 252—8.55.

Brulé Incinerators: *See*—
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Brumberger, Louis, to Teen-age Beachwear Corp. Swimsuit. 3,255,754, 6–14–66, Cl. 128—479.

Brumfield, Grayson E., C. E. Morse, and J. P. Smith, to Bell Telephone Laboratories, Inc. Telephone signaling system. 3,259,697, 7–5–66, Cl. 179—16.

Brumfield, John C.: *See*—
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Brumfield, John C., to I-T-E Circuit Breaker Co. Circuit breaker contact pressure adjusting means. 3,235,699, 2–15–66, Cl. 200—170.

Brumfield, Phillip E.: *See*—
Rudner, Bernard, Brumfield, and Hergenrother 3,260,-700.
Rudner, Bernard, Brumfield, and Hergenrother. 3,267,-081.

Brumley, Corwin H., and W. F. Coombs, to Bausch & Lomb Inc. Automatic rebalancing measuring circuit including a phase shifted photo-modulator. 3,242,428, 3–22–66, Cl. 324—99.

Brumm, Richard S., and B. L. Morrison, to Grove Valve and Regulator Co. Control means for controlling the loading pressure of a pressure regulator. 3,234,960, 2–15–66, Cl. 137—510.

Brümmendorf, Ludwig. Method of automatically maintaining the condition of the atmosphere within a room. 3,263,-737, 8–2–66, Cl. 165—2.

Brummet, Berthal D., and F. S. Sadler, to McGraw-Edison Co. Cellulose insulating material having improved thermal stability. 3,230,170, 1–18–66, Cl. 252—63.2.

Brun Corp.: *See*—
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Brun, Willi, and F. B. Clay, to Remington Arms Co., Inc. Ammunition priming composition comprising aromatic hydroxy compounds. 3,278,353, 10–11–66, Cl. 149—39.

Brundage, Benjamin W. Torque arm swivel unit. 3,285,630, 11–15–66, Cl. 285—181.

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Smith, Edwin K., Alexander, Brundage, and Foster. 3,279,360.
Smith, Edwin K., Jr., Foster, and Brundage. 3,292,340.

Brundage, James W., deceased, by M. Brundage, executrix, to NRM Corp. Tire rim assembly for use with post inflators. 3,241,180, 3–22–66, Cl. 18—2.

Brundage, Mayme: *See*—
Brundage, James W. 3,241,180.

Brundage, Richard B., to Emerson Electric Co. Alternator type welder. 3,243,688, 3–29–66, Cl. 322—57.

Brundage, Robert W. Multiple discharge hydraulic pump. 3,228,345, 1–11–66, Cl. 103—126.

Brundage, Robert W. Hydraulic pump or motor. 3,240,158, 3–15–66, Cl. 103—126.

Brundage, Robert W., to Emerson Electric Co. Hydraulic laundry machine transmission. 3,242,703, 3–29–66, Cl. 68—23.
Brundage, Robert W., to Emerson Electric Co. Torque and speed responsive system. 3,248,913, 5–3–66, Cl. 68—183.
Brundage, Robert W., to The Emerson Electric Co. Variable volume reversible hydraulic device. 3,272,128, 9–13–66, Cl. 103—3.
Brundage, Robert W., to The Emerson Electric Co. Vane type oscillating hydraulic motor. 3,291,006, 12–13–66, Cl. 92—121.
Brundage, Walter L., Jr.: *See*—
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Brundige, William L., to Westinghouse Electric Corp. Method and apparatus for forming and attaching filament support members. 3,270,781, 9–6–66, Cl. 140—71.5.
Brundrett, Leon P., to Phillips Petroleum Co. Blending apparatus. 3,275,304, 9–27–66, Cl. 259—180.
Brundza, Vites J.: *See*—
Hobwart, George, and Brundza. 3,267,580.
Bruneel, Camille H. Method and machine for generating electricity. 3,247,407, 4–19–66, Cl. 310—155.
Brunel, Joseph J. A., to Canadair Ltd. Hall effect device utilized to compensate for variable induced fields in other sensors. 3,284,703, 11–8–66, Cl. 324—45.
Brunelle, Thomas E., L. M. Rue, and S. B. Crecellius, to Economics Laboratory, Inc. Fatty acid sugar esters and fatty acid sugar-boron esters. 3,231,561, 1–25–66, Cl. 260—234.
Bruner, John S.: *See*—
Barnes, Gerald L., and Bruner. 3,293,344.
Bruner, Robert L.: *See*—
Kool, Earl B., Bruner, and Newkirk. 3,264,193.
Bruner, Walter M., to E. I. du Pont de Nemours and Co. Method of rendering thermoplastic resins receptive to coatings. 3,235,426, 2–15–66, Cl. 156—2.
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Brunet, Michel, and A., and Deyris. 3,235,339.
Brunet, Louis, to Z.R.C.-Zuccolo, Rochet & Co. Watch strap. 3,270,928, 9–6–66, Cl. 224—4.
Brunet, Michel, and A., and E. Deyris, to North American Philips Co., Inc. Device for floating zone melting. 3,235,339, 2–15–66, Cl. 23—273.
Brunette, Fredrick F. Locking support means. 3,244,391, 4–5–66, Cl. 248—225.
Brunette, Fredrick F., to Brilliant Products Inc. Display racks. 3,276,400, 10–4–66, Cl. 108—111.
Brunette, Fredrick F., to Brilliant Products Inc. Bottle return cart. 3,288,484, 11–29–66, Cl. 280—79.2.
Brunetto, Frank, to United States of America, Navy. Test circuit for determining operating parameters of a gate turn-off solid state switch. 3,289,081, 11–29–66, Cl. 324—158.
Brungardt, Arthur V. Cigarette package. 3,272,320, 9–13–66, Cl. 206—41.
Brunger, Ronald N., to International Harvester Co. Lamp assembly for motor vehicles. 3,275,816, 9–27–66, Cl. 240—8.22.
Brungnola, Anthony. Chain links and self-linking chains. 3,237,396, 3–1–66, Cl. 59—85.
Bruni, Gaetano, to Snia Viscosa Societa Nazionale Industria Applicazioni Viscosa S.p.A. Special spinnerets for obtaining yarns of synthetic linear polymers having high regularity of count and of dyeability. 3,293,696, 12–27–66, Cl. 18—8.
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Mantovanello, Giovanni, and Bruni. 3,235,478.
Bruning, William E., ½ each to International Paper Co., and The Stanley Works. Temporary door and method. 3,241,601, 3–22–66, Cl. 160—368.
Brunings, Karl J.: *See*—
Gordon, Philip N., Jarowski, and Brunings. 3,232,834.
Brunk, David H.: *See*—
Hagemann, Julius, and Brunk. 3,277,430.
Brunk, James E. High lift wing and flap structure for aircraft. 3,289,979, 12–6–66, Cl. 244—42.
Brunk, James E., and A. Flatau. Free spinning articulated rotor. 3,291,418, 12–13–66, Cl. 244—3.23.
Brunn, John, E. J. Craven, and D. Muir, to The William L. Bonnell Co., Inc. Carpet-edge binding means. 3,254,361, 6–7–66, Cl. 16—16.
Brunnee, Curt, to Atlas Mess- und Analysentechnik G.m.b.H. Closable inlet devices for admitting gas into high vacuum containers. 3,270,773, 9–6–66, Cl. 137—561.
Brunnee, Curt, L. Delgmann, and K. Kronenberger, to Atlas Mess- und Analysentechnik G.m.b.H. Mass filter with particular circuit means connected to the electrodes for establishing the ion deflecting field. 3,280,325, 10–18–66, Cl. 250—41.9.
Brunner, Alfred, to Sulzer Freres, S. A. Method and apparatus for controlling fuel and air supplied to a combustion chamber. 3,236,449, 2–22–66, Cl. 236—15.
Brunnef, Alfred, to Sulzer Freres, S.A. Method of and apparatus for distributing a fluid into at least two heated tubes arranged in parallel relation with respect to the flow of fluid therethrough. 3,240,188, 3–15–66, Cl. 122—407.
Brunner, Alfred, to Sulzer Freres S.A. Hydraulic vibration damper. 3,266,600, 8–16–66, Cl. 188—1.
Brunner, Alfred, to Sulzer Brothers Ltd. Method and apparatus for supply of steam to an auxiliary turbine in a steam power plant. 3,271,960, 9–13–66, Cl. 60—67.
Brunner, John E., to Aeronca Mfg. Corp. Dual frequency Gregorian-Newtonian antenna system with Newtonian feed located at common focus of parabolic main dish and ellipsoidal sub-dish. 3,276,022, 9–27–66, Cl. 343—727.
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Brunner, Paul A., to Sinclair Research, Inc. Process for producing dry hydrocarbon distillates. 3,294,676, 12–27–66, Cl. 208—187.
Brunner, Reuben H. Move about flower pot. 3,284,039, 11–8–66, Cl. 248—153.
Brunner, Walter H., to Clairol Inc. Naphthazarin hair dyeing composition and method. 3,251,744, 5–17–66, Cl. 167—88.
Brunner, Walter H., and A. Halasz, to Clairol Inc. Derivatives of 1,4-diamino-2-nitro-benzenes. 3,274,249, 9–20–66, Cl. 260—573.
Brunnzell, Fridolf, to WMB International A.B. Sub-celling. 3,256,664, 6–21–66, Cl. 52—478.
Bruno, Anthony J., Jr., to W. R. Grace & Co. Apparatus for producing a fertilizer slurry. 3,252,764, 5–24–66, Cl. 23—259.2.
Bruno, Enrico, to Maidenform, Inc. Brassiere. 3,260,262, 7–12–66, Cl. 128—494.
Bruno, Günter, B. Blaser, and H. Schirp, to Henkel & Cie. G.m.b.H. Preparation of aluminum trialkyl compounds. 3,282,974, 11–1–66, Cl. 260—448.
Bruno, Gunther, and H. Schirp, to Henkel & Cie., G.m.b.H. Production of organo-aluminum compounds. 3,291,819, 12–13–66, Cl. 260—448.
Brunot, Jean-Paul, to Centre de Recherches de Pont-a-Mousson. Pressure regulator and a hydraulic control device including said regulator for an automobile gearbox. 3,274,857, 9–27–66, Cl. 74—752.
Bruns, Arthur G. Combined table for cooking and eating. 3,277,881, 10–11–66, Cl. 126—40.
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Bruns, Herbert, P. B. Greene, W. S. Humphrey, Jr., and J. Terzian, to Sylvania Electric Products Inc. Electronic data processing equipment. 3,263,219, 7–26–66, Cl. 340—172.5.
Bruns, Norbert A., to Anocut Engineering Co. Electrode for electrolytic cavity sinking. 3,288,698, 11–29–66, Cl. 204—224.
Bruns, William H., to Otis Elevator Co. Noise abating and traction improving elevator sheave. 3,279,762, 10–18–66, Cl. 254—190.
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Brunsing, Jon P. Bottle package and carrier. 3,285,410, 11–15–66, Cl. 206—65.
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Brunson, Virgil A., to Dover Corp. Liquid discharge system. 3,266,425, 8–16–66, Cl. 103—41.
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Brunton, Donald C., and J. M. McMullen, to Industrial Nucleonics Corp. Radiation gauging system with compensation for high background radiation intensities. 3,255,346, 6–7–66, Cl. 250—43.5.
Brunton, Donald C., and J. M. McMullen, to Industrial Nucleonics Corp. Mass determination of a fluent material by radioactive measuring means. 3,263,077, 7–26–66, Cl. 250—43.5.
Brunton, James L. Hydraulically powered portable lifting apparatus. 3,273,721, 9–20–66, Cl. 212—35.
Brunton, Robert H., III, to United States of America, Air Force. High speed semiconductor microwave switch. 3,287,665, 11–22–66, Cl. 333—7.
Bruscaglioni, Raffaello, to Filotecnica Salmoiraghi S.p.A. Activated-fin installation on board ships. 3,286,678, 11–22–66, Cl. 114—126.
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Bruson, Herman A., and J. S. Rose, to Olin Mathieson Chemical Corp. Process for reacting 4,4,4-trichlorobutylene oxide with polyhydric alcohols. 3,244,754, 4–5–66, Cl. 260—615.
Bruson, Herman A., and J. S. Rose, to Olin Mathieson Chemical Corp. Polyurethane foam prepared from a halogen containing polyether. 3,269,961, 8–30–66, Cl. 260—2.5.
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Brust, Gerhard, W. Dietrich, P. Mierzowski, and W. Schrempp, to International Standard Electric Corp. Character-recognition apparatus utilizing columnar variations from a reference line. 3,245,037, 4–5–66, Cl. 340—146.3.
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Bryan, James S., to Philco Corp. Photosensitive optical logic unit for use in a computer system. 3,248,552, 4–26–66, Cl. 250—219.
Bryan, James W. Push-pull plate modulator. 3,268,835, 8–23–66, Cl. 332—43.
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Bryan, Joseph F., and M. A. Mulshine, Jr., to Electronic Associates Inc. Control system. 3,270,266, 8–30–66, Cl. 320—1.
Bryan, Joseph R. Inflatable safety belt. 3,263,249, 8–2–66, Cl. 9—316.
Bryan, Lloyd. Hydraulic air injector. 3,259,067, 7–5–66, Cl. 103—6.
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Bryant, Ben L. Safety pen for an infant. 3,267,494, 8–23–66, Cl. 5—93.
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Bryant, Floyd C., and W. F. Teal. Garbage can holder. 3,288,305, 11–29–66, Cl. 211—71.
Bryant, George M., and N. L. Zutty, to Union Carbide Corp. Dyeable polypropylene compositions containing ethylene-N-vinyl heterocyclic compound copolymers. 3,256,364, 6–14–66, Cl. 260—895.

Bryant, Harold D., to Motorola, Inc. Circuit for converting any frequency in a given range to a harmonic substantially equal to a desired frequency. 3,264,576, 8–2–66, Cl. 331—47.

Bryant, Harvey L., to Esso Production Research Co. Orienting method for use in wells. 3,288,210, 11–29–66, Cl. 166—4

Bryant, Harvey L., and M. M. White, to Esso Production Research Co. Borehole measurements. 3,258,963, 7–5–66, Cl. 73—155.

Bryant, Herbert W., to Bell Telephone Laboratories, Inc. Alarm circuits in portable radio telephone system. 3,240,879, 3–15–66, Cl. 179—41.

Bryant, James F. M., and R. W. Kett, to Commonwealth of Australia. Method and apparatus for testing subscribers' telephone instruments in situ under service conditions. 3,261,926, 7–19–66, Cl. 179—175.1.

Bryant, John H., and W. A. Johnston, to Omni Spectra, Inc. Coaxial connector with means for preventing axial and rotational movement between connector components. 3,292,117, 12–13–66, Cl. 333—97.

Bryant, John J. Large loop antenna. 3,284,801, 11–8–66, Cl. 343—743.

Bryant, Raymond W. Variable speed hydraulic transmission. 3,266,253, 8–16–66, Cl. 60—53.

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Bryce, William H. L., to Grinnell Corp. Automatic core blowing machine. 3,277,538, 10–11–66, Cl. 22—10.

Bryden, Richard J., and J. G. Richter, to Simmonds Precision Products, Inc. Radio location system. 3,229,294, 1–11–66, Cl. 343—120.

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Bryla, Theodore N., to Aerojet-General Corp. Explosive connector assembly. 3,260,202, 7–12–66, Cl. 102—27.

Bryla, Theodore N., F. E. Jacks, and R. M. Hillyer, to United States of America, Navy. Safety switch for preventing voltages below a predetermined value in a circuit. 3,262,389, 7–26–66, Cl. 102—28.

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Brynjolfsson, Wilfred, and W. H. Bartlett, to Dur-O-Wal National, Inc. Reversible wall tie. 3,292,336, 12–20–66, Cl. 52—713.

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Brynn, Gerald E., and B. C. Danz, to General Motors Corp. Folding top having bow connecting means. 3,252,731, 5–24–66, Cl. 296—117.

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Brys, Harry E., to Armco Steel Corp. Flatness gauge. 3,256,610, 6–21–66, Cl. 33—172.

Bryson, Boyd, to William S. Doig, Inc. Nailing machine. 3,273,776, 9–20–66, Cl. 227—109.

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Bub, Oskar, to Knoll A.G. Benzisothiazolones. 3,227,715, 1–4–66, Cl. 260—247.1.

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Bucciconе, Dario, to Bucciconi Engineering Co., Inc. Piler mechanism for metal sheets. 3,256,011, 6–14–66, Cl. 271—68.

Bucciconе, Dario, to Bucciconi Engineering Co., Inc. Brake for metal sheet conveyor. 3,273,726, 9–20–66, Cl. 214—6.

Bucciconе, Dario, to Bucciconi Engineering Co., Inc. Apparatus for handling metal sheeting. 3,283,980, 11–8–66, Cl. 226—93.

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Buchanan, Chester L., J. J. Gennari, H. E. Barnes, and W. L. Brundage, Jr., to United States of America, Navy. Deep ocean environmental sampler. 3,266,323, 8–16–66, Cl. 73—425.4.

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Buchanan, Stephen N., and W. S. Pawl, to Connectors Consolidated, Inc. Unitary rigid wire connectors and method of making wire connections. 3,239,796, 3–8–66, Cl. 339—97.

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Budzich, Tadeusz. Piston shoe assemblies. 3,256,834, 6–21–66, Cl. 103—162.

Budzich, Tadeusz. Controls for reversible variable flow pumps. 3,257,959, 6–28–66, Cl. 103—162.

Budzich, Tadeusz. Fluid power synchronized drives for vehicles. 3,272,276, 9–13–66, Cl. 180—44.

Budzich, Tadeusz. Synchronization of fluid power drives. 3,272,277, 9–13–66, Cl. 180—44.

Budzich, Tadeusz. Response controls for fluid drives. 3,272,-278, 9–13–66, Cl. 180—44.

Budzich, Tadeusz. Fluid pressure operated drive and clutch systems. 3,272,279, 9–13–66, Cl. 180—44.

Budzich, Tadeusz, and A. Pitt. Power drive to maintain constant force between tractor-trailers. 3,227,235, 1–4–66, Cl. 180—14.

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Buechele, Calvin F., and J. R. Westwood, to Reynolds Metals Co. Multi-layer laminates and method of manufacturing hollow articles therefrom. 3,271,846, 9–13–66, Cl. 29—157.3.

Buechler, Milton. Space coupe carnival ride. 3,294,398, 12–27–66, Cl. 272—36.

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Buechler, William R.: *See*—
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Buechler, William R., and D. T. Mullaney, to W. R. Buechler. Control lever and linkage system. 3,257,864, 6–28–66, Cl. 74—541.

Buechner, Werner W. Photographic process and apparatus. 3,236,649, 2–22–66, Cl. 96—50.

Buechner, Werner W. Photographic easel. 3,280,694, 10–25–66, Cl. 88—24.

Buechting, Karl E., and J. P. McHale, to United Engineering and Foundry Co. Apparatus for handling metallic workpieces. 3,273,724, 9–20–66, Cl. 214—1.

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Buehler, Alois A., to Ingersoll-Rand Co. Drill pipe handling apparatus. 3,270,823, 9–6–66, Cl. 175—85.

Buehler, Arthur, C. Zickendraht, and R. Schoenenberg, to Ciba Ltd. Dry granular azo dyestuff preparations containing a cellulose ester. 3,288,619, 11–29–66, Cl. 106—193.

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Smith, Morley S. 3,250,072.
Smith, Morley S. 3,250,475.
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Buehler, Fritz A., to Socony Mobil Oil Co., Inc. Stabilized fluid silicones. 3,235,495, 2–15–66, Cl. 252—34.7.

Buehler, Fritz A., to Socony Mobil Oil Co. Inc. Stabilized silicone fluids. 3,267,031, 8–16–66, Cl. 252—18.

Buehler, Fritz A., and J. J. Giammaria, to Mobil Oil Corp. Grease compositions containing alkyl succinic partial esters. 3,291,736, 12–13–66, Cl. 252—49.6.

Buehler, Gebrueder: *See*—
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Buehler, Ltd.: *See*—
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Buehler, Robert J., and D. W. Young, to Sinclair Research, Inc. Coking test. 3,248,927, 5–3–66, Cl. 73—15.4.

Buehler, Walter E., and C. D. Lunden, to The Boeing Co. Air-turbulence detection system. 3,251,057, 5–10–66, Cl. 343—5.

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Bueler, Richard C., to Wagner Electric Corp. Application valve. 3,238,851, 3–8–66, Cl. 91—434.

Bueler, Richard C., to Wagner Electric Corp. Control valve and system. 3,259,439, 7–5–66, Cl. 303—40.

Bueler, Richard C., to Wagner Electric Corp. Control valve. 3,265,447, 8–9–66, Cl. 303—52.

Bueler, Richard C. to Wagner Electric Corp. Control valve and system. 3,266,851, 8–16–66, Cl. 303—52.

Bueler, Richard C., to Wagner Electric Corp. Control valve 3,266,852, 8–16–66, Cl. 303—54.

Bueler, Richard C., to Wagner Electric Corp. Control valve with multiple actuators. 3,269,784, 8–30–66, Cl. 303—52.

Bueler, Richard C., to Wagner Electric Corp. Control valve. 3,279,867, 10–18–66, Cl. 303—52.

Bueler, Richard C., to Wagner Electric Corp. Control valve. 3,284,142, 11–8–66, Cl. 303—13.

Bueler, Richard C., to Wagner Electric Corp. Control valve. 3,288,539, 11–29–66, Cl. 303—13.

Bueler, Richard C., to Wagner Electric Corp. Control valve. 3,291,539, 12–13–66, Cl. 303—52.

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Buell, Bennett G., and R. S. Long, to American Cyanamid Co. Pyridotriazole brighteners. 3,272,831, 9–13–66, Cl. 260—295.

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Mylting, Lauritz E. 3,284,139.
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Buell, Roy D., Jr., and B. B. Peterson, to Buell Mfg. Co. Ultrasonic interrupter. 3,259,103, 7–5–66, Cl. 116—137.

Buell, Wayne H., and M. S. Dombrowski, to International Minerals & Chemical Corp. Sand mold process using resinous binder from alkaline condensation of urea, formaldehyde, and furfuryl alcohol. 3,247,556, 4–26–66, Cl. 22—193.

Buelow, Fred K., F. B. Hartman, and E. L. Willette, to International Business Machines Corp. Matrix encoder circuit employing plural trigger means each comprising a current switch and implication circuit. 3,233,223, 2–1–66, Cl. 340—166.

Buelow, Fred K., and J. R. Turnbull, Jr., to International Business Machines Corp. Non-saturating direct current transistor logic circuit. 3,235,754, 2–15–66, Cl. 307—88.5.

Buelow, Fred K., and M. Hilsenrath, to International Business Machines Corp. Full adder. 3,248,529, 4–26–66, Cl. 235—172.

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Buergin, Dimitri P.: *See*—
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Brown, John W., Jr., Buesing, and Kaiser. 3,275,244.

Buesing, Arthur C., and B. Vitez, to Allis-Chalmers Mfg. Co. Temperature compensating mounting for basic oxygen furnace. 3,288,453, 11–29–66, Cl. 266—36.

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Buff, Fred, to General Foam Corp. Apparatus for cutting polyurethane foam and the like. 3,234,836, 2–15–66, Cl. 83—422.

Buff, Fred, M. French, and W. Pollock. Manufacture of expanded cellular products. 3,281,894, 11–1–66, Cl. 18—4.

Buff, Fred, M. E. French, W. N. Pollock, and M. A. Ricciardi, to General Foam Corp. Expanded cellular products. 3,282,415, 11–1–66, Cl. 206—83.5.

Buffa, Anthony J., S. Schneider, and M. H. Zinn, to The United States of America, Army. Electronic circuit protection device providing a low resistance path through a series of spark gaps connected across said electronic circuit. 3,260,895, 7–12–66, Cl. 317—16.

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Schroeter, Joachim W., and Stewart. 3,231,022.
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Bufferd, Allan S., N. J. Grant, and K. M. Zwilsky, to New England Materials Laboratory, Inc. Dispersion hardened wrought uranium. 3,279,916, 10–18–66, Cl. 75—206.

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Buffington, Marvin A., to The Bishop and Babcock Corp. Apparatus and method for indirect blood pressure determinations. 3,230,950, 1–25–66, Cl. 128—2.05.

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Bugel, Thomas E., to Union Carbide Corp. Low temperature bonding thermoplastic polyhydroxyether adhesive compositions. 3,287,205, 11–22–66, Cl. 161—192.

Bugg, Kenly C., to Kendick Mfg. Co., Inc. Motion transmitting mechanism. 3,267,771, 8–23–66, Cl. 74—798.

Bugg, Kenly C., to Kendick Mfg. Co., Inc. Rotary electrical contact assembly. 3,286,069, 11–15–66, Cl. 200—166.

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Buhler, Hansrudi, to Maschinenfabrik Oerlikon. Safety apparatus for vehicle operated by one person. 3,266,032, 8–9–66, Cl. 340—286.

Buhler, Hansrudi, to Maschinenfabrik Oerlikon. Device for controlling the speed of rail traveling vehicles. 3,289,783, 12–6–66, Cl. 180—82.1.

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Buhler, Warren G., to Oxy-Dry Sprayer Corp. Electrostatic powder sprayer. 3,292,045, 12–13–66, Cl. 317—3.

Buhler, Warren G., to Oxy-Dry Sprayer Corp. Powder sprayer with flexible blades. 3,292,046, 12–13–66, Cl. 317—3.

Buhmann, Gunther, to International Standard Electric Corp. Low-capacitance type of high-frequency cable. 3,248,473, 4–26–66, Cl. 174—29.

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Bule, James L., to TRW Semiconductors, Inc. Transistor technology. 3,233,125, 2–1–66, Cl. 307—88.5.

Bule, James L., to TRW Semiconductors, Inc. Coupling transistor logic and other circuits. 3,283,170, 11–1–66, Cl. 307—88.5.

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Bukata, Stanley W., C. R. Castor, and R. M. Milton, to Union Carbide Corp. Dehydrogenation process employing a chromium containing zeolite. 3,236,910, 2–22–66, Cl. 260—683.3.

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Bull, George H., P. L. Timms, and A. A. R. Wood, to United States Borax and Chemical Corp. Abrasion resistant materials. 3,256,072, 6–14–66, Cl. 29—199.

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Bull, Thomas H., and A. M. G. Kinnear, to Imperial Chemical Industries Ltd. Polyester filaments. 3,259,681, 7–5–66, Cl. 264—290.

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Bullard, Edward P., III, to The Bullard Co. Retractable boring bar. 3,269,222, 8–30–66, Cl. 77—58.

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Bullard, John K., O. I. Gilbertson, and W. E. Strube, to Western Electric Co., Inc. Apparatus for testing relays. 3,282,096, 11–1–66, Cl. 73—161.

Bullard, Martin B., to McCullach Corp. Cutter elements for chain saws. 3,292,675, 12–20–66, Cl. 143—135.

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Bullens, Johannes H., to Metaalindustrie Caja, N.V. Method of making a spoked wheel. 3,270,403, 9–6–66, Cl. 29—159.03.

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Bullinger, Hans B., to The Bendix Corp. Contact arrangement for an electroluminescent indicator device. 3,289,025, 11–29–66, Cl. 313—108.

Bullock, Austin L., S. L. Vail, and C. H. Mack, to United States of America, Agriculture. Process for making cross-linked cellulose derivatives utilizing acetylenic carboxylic acids. 3,294,779, 12–27–66, Cl. 260—212.

Bullock, Austin L., C. H. Mack, and J. D. Guthrie, to United States of America, Agriculture. Process for making cross-linked cellulose derivatives utilizing halo-acrylic acids. 3,294,780, 12–27–66, Cl. 260—212.

Bullock, Boyd W. Golf gloves. 3,255,461, 6–14–66, Cl. 2—159.

Bullock, Earl R., to Minnesota Mining and Mfg. Co. Digital to analog converter using a solion cell. 3,290,673, 12–6–66, Cl. 340—347.

Bullock, Giles E., to Imperial Business Machines. Credit balance transfer mechanism for ten-key adding and subtracting machine. 3,281,069, 10–25–66, Cl. 235—60.

Bullock, Joel B., and C. M. Welch, to United States of America, Agriculture. Reaction products of (1) aziridinyl compounds, (2) methylol phosphorus compounds and (3) sulfur compounds. 3,278,497, 10–11–66, Cl. 260—79.

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Bullough, Vaughn L., and W. C. Schroeder, to Reynolds Metals Co. Method of obtaining maximum separability of organic matter from ash in coal extraction processes. 3,240,566, 3–15–66, Cl. 23—209.9.

Bullough, Vaughn L., and R. M. Kibby, to Reynolds Metals Co. Method of manufacturing shaped carbon bodies. 3,286,003, 11–15–66, Cl. 264—29.

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Bulova Watch Co., Inc.: *See*—
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Bennett, William O., and Mutter. 3,257,794.
Bennett, William O., and Mutter. 3,262,259.
Heller, Oscar, and Felcheck. 3,237,082.
Lowell, Frank. 3,260,186.
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Bumgarner, Walter F., to E. I. Du Pont de Nemours and Co. Compaction of finely divided metals. 3,269,826, 8–30–66, Cl. 75—10.

Bump, Edward L., to Industrial Research and Development Corp. Carton with handle and pouring spout. 3,227,353, 1–4–66, Cl. 229—17.

Bump, Edward L., to Industrial Research and Development Corp. Dispenser for flat articles having at least one flap. 3,259,271, 7–5–66, Cl. 221—36.

Bump, Edward L., to Industrial Research and Development Corp. Flat top container with extendable pour spout. 3,269,644, 8–30–66, Cl. 229—66.

Bumpers, George A. Circulating junk basket. 3,227,216, 1–4–66, Cl. 166—99.

Bumpious, Doyle A.: *See*—
May, Patrick L., and Bumpious. 3,291,284.

Bumpous, William H. Automotive anti-collision beacon. 3,258,746, 6–28–66, Cl. 340—71.

Bumstead, Augustine D. Attic ventilating system with cover means. 3,232,205, 2–1–66, Cl. 98—37.

Bunawerke Huls G.m.b.H.: *See*—
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Bunce, Peter W. Method and apparatus for stopping web movement. 3,279,370, 10–18–66, Cl. 101—292.

Bunch, Harry J. Tractor-trailer hitch. 3,228,546, 1–11–66, Cl. 214—505.

Bunch, Raymond S., and M. S. Blosser, to General Electric Co. System with voltage regulator having inverse input to output characteristics. 3,227,942, 1–4–66, Cl. 323—22.

Bunch, Wilbur L.: *See*—
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Bundschuh, Harry H. Raised doughnut making machine. 3,286,661, 11–22–66, Cl. 107—14.

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Bundy, Milo, Corp.: *See*—
Krug, James R., and Bundy. 3,289,670.

Bundy, Milo E.: *See*—
Krug, James R., and Bundy. 3,289,670.

Bundy, William C. Receptacle. 3,280,870, 10–25–66, Cl. 150—42.

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Bungardt, Karl, and G. Becker, to Howe Sound Co. Chromium diffusion process and article. 3,253,942, 5–31–66, Cl. 117—50.

Bungardt, Karl, and G. Becker, to Misco Precision Casting Co. Method of aluminizing chromium alloys and oxidation resistant article produced thereby. 3,254,969, 6–7–66, Cl. 29—183.5.

Bungardt, Walter, to Th. Goldschmidt A.-G. Extruded flints and process for making same. 3,236,633, 2–22–66, Cl. 75—152.

Bungardt, Walter, and R. Kallenbach, to Ronson Corp. Rare earth metal and silicon alloys. 3,250,609, 5–10–66, Cl. 75—84.

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Bungay, Jeffery A., to Hall Harding Ltd. Photographic developing machines. 3,280,717, 10–25–66, Cl. 95—89.
Bunge, Fred H., and H. H. Vaughan, to The Hanna Mining Co. Use of kiln gas for production of magnetic iron oxide. 3,288,588, 11–29–66, Cl. 75—1.
Bunge, Konrad, and O. Koch, to Farbenfabriken Bayer Aktiengesellschaft. Measuring the water content of photographic layers. 3,260,850, 7–12–66, Cl. 250—219.
Bunge, Lothar P. Squareness indicator. 3,273,252, 9–20–66, Cl. 33—174.
Bunge, Lothar P. Radius and tangent dresser for abrasive wheels. 3,273,554, 9–20–66, Cl. 125—11.
Bunge, Richard A., to Chicago Fire Brick Co. Cantilever structure for furnace roof. 3,240,173, 3–15–66, Cl. 110—99.
Bunge, Wilhelm: *See*—
Muller, Cergard, Merten, and Bunge. 3,259,626.
Bunge, Wilhelm, to Farbenfabriken Bayer Aktiengesellschaft. Glycol modified isocyanurate containing polyisocyanates. 3,248,372, 4–26–66, Cl. 260—77.5.
Bunge, Wilhelm, O. Bayer, E. Klauke, and H. Hertlein, to Farbenfabriken Bayer Aktiengesellschaft. Polyurethane plastics prepared from a tertiary butyl phenol formaldehyde resin. 3,242,107, 3–22–66, Cl. 260—2.5.
Bünger, August. Double fabric. 3,266,529, 8–16–66, Cl. 139—384.
Bunger, David A., to D. H. Baldwin Co. Tapered spring reverberation delay line drive apparatus. 3,288,931, 11–29–66, Cl. 179—1.
Bunger, Dennen J., N. R. Chheda, and J. H. Ferguson, to The Bendix Corp. Pressure regulator for both high and low flow demands. 3,269,408, 8–30–66, Cl. 137—517.
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Axe, Joel H. 3,281,701.
Baker, Melvin L. 3,244,066.
Bienhoff, Milton G. 3,278,917.
Brian, Weaver T., Jr., Wood, and Tarver. 3,269,670.
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Crittenden, Eugene C., Jr. 3,292,160.
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Fuller, Richard H., and Mellott. 3,290,659.
Gabloffsky, Heinz. 3,239,672.
Hallmark, Clyde E. 3,290,492.
Haselton, Merton L. 3,231,883.
Howard, Roy A. 3,270,337.
Koerner, Ralph J. 3,257,650.
Koerner, Ralph J. 3,280,781.
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Koerner, Ralph J., Herman, and Corbell. 3,237,016.
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Laman, George M. 3,269,190.
MacArthur, John G. 3,230,383.
Matthew, Morton P. 3,244,095.
McCreary, Harold J. 3,270,328.
Mellott, Robert N. 3,231,763.
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Schneberger, Edward J. 3,275,991.
Schneberger, Edward J. 3,292,158.
Schneberger, Edward J., and Bienhoff. 3,290,494.
Singer, Edwin, Rosenblatt, and Wilenitz. 3,259,886.
Smeltzer, Jack C. 3,290,648.
Tarver, Carl R. 3,269,628.
Tostenson, Weldon L. 3,229,495.
Wahlenmeier, Frederick E. 3,245,074.
Wells, Paul E., Davis, Lee, and Boles. 3,292,164.
Wells, Paul E., and Scarbrough. 3,245,060.
Whitney, Theodore R. 3,230,532.
Wilenitz, Evelyn B. 3,231,865.
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Yeiser, Andrew S. 3,281,779.
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Bunn, Carol E. Air control mechanism. 3,242,846, 3–29–66, Cl. 98—40.
Bunn, Clinton O. Method and system for detecting and locating pipe line leakage. 3,276,247, 10–4–66, Cl. 73—40.5.
Bunn, John P., to Lockheed Aircraft Corp. Cargo pallet with telescoping skids. 3,247,931, 4–26–66, Cl. 188—5.
Bunn, John R. Hydraulic derrick assembly. 3,282,357, 11–1–66, Cl. 175—122.
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Bunt, Edgar A., L. O. Kauffman, Jr., H. L. Olsen, and S. D. Raezer, to United States of America, Navy. Discontinuous electrode arc plasma generator. 3,274,424, 9–20–66, Cl. 313—231.
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Bunting, Ernest V., to Massey-Ferguson Inc. Tractor drawbar attachment. 3,241,862, 3–22–66, Cl. 280—490.
Bunting, Ernest V., to Massey-Ferguson Inc. Fluid system including variable displacement pump. 3,266,424, 8–16–66, Cl. 103—39.
Bunting, Ernest V., to Massey-Ferguson Inc. Tractor hydraulic control system. 3,275,084, 9–27–66, Cl. 172—9.
Bunting, Ernest V., and D. J. Kleagen, to Massey-Ferguson Inc. Hydraulic power unit and control system for tractors. 3,239,012, 3–8–66, Cl. 172—9.
Bunting, Ernest V., and G. T. Olson, to Massey-Ferguson Inc. Dual hydraulic lift arrangement with lateral flexibility. 3,247,910, 4–26–66, Cl. 172—460.
Bunting, Ernest V., and E. J. Skiba, to Massey-Ferguson Inc. Power operating and control system for tractors. 3,275,085, 9–27–66, Cl. 172—10.
Bunting, Ernest V., and H. V. Lind, to Massey-Ferguson Inc. Dual lift cylinder lock mechanism for tractors. 3,280,919, 10–25–66, Cl. 172—460.
Bunting, Ernest V., and H. V. Lind, to Massey-Ferguson Inc. Draft control system with independent range and sensitivity adjusting means. 3,294,179, 12–27–66, Cl. 172—10.
Bunting, Norman W., to Koppers Co., Inc. Transfer apparatus. 3,288,270, 11–29–66, Cl. 198—103.
Bunting, Norman W., to Koppers Co., Inc. Method and apparatus for cleaning conveyor belts. 3,288,275, 11–29–66, Cl. 198—230.
Bunting, Russell C. to McDonnell Aircraft Corp. Optical viewing system with polarized beam splitting element. 3,252,375, 5–24–66, Cl. 88—65.
Buntschuh, Henry C., to United Aircraft Corp. Compact multiple pole pair resolver. 3,281,746, 10–25–66, Cl. 336—123.
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Buonaiuto, Robert B. Process of molding a foamed plastic having an outermost uniform skin. 3,253,064, 5–24–66, Cl. 264—26.
Buonaiuto, Robert B. Molds. 3,289,253, 12–6–66, Cl. 18—47.
Buonamici, Gino. Adjustable manikin. 3,264,257, 8–9–66, Cl. 223—68.
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Burak, Nathan, and P. McAnespie, to Joseph Crosfield & Sons Ltd. Method of making calcium silicate materials. 3,238,052, 3–1–66, Cl. 106—120.
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Burbank, John E., to Scovill Mfg. Co. Lock sliders for zippers. 3,226,789, 1–4–66, Cl. 24—205.14.
Burbank, John E., to Scovill Mfg. Co. Fastener stringer stitching. 3,249,976, 5–10–66, Cl. 24—205.1.
Burbank, John E., to Scovill Mfg. Co. Integrally woven zipper stringer. 3,283,379, 11–8–66, Cl. 24—205.1.
Burbank, John E., to Scovill Mfg. Co. Plastic zippers and method of making the same. 3,290,747, 12–13–66, Cl. 24—205.16.

Burbidge, Arden, and R. S. Claycomb. Produce sizer. 3,278,024, 10–11–66, Cl. 209—103.
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Burch, Donald C., R. E. Trosien, R. Helle, and R. C. Woofter, to General Motors. Vehicle-panel connector. 3,292,133, 12–13–66, Cl. 339—126.
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Burch, Kenneth R. Wall aquarium. 3,276,428, 10–4–66, Cl. 119—5.
Burch, Lyndon W. and H. K. Thermo-responsive devices. 3,266,317, 8–16–66, Cl. 73—363.3.
Burch, Paul F., to Wolverine Shoe & Tanning Corp. Skinning machine. 3,291,175, 12–13–66, Cl. 146—130.
Burch, William E., Jr., to Burch Electronics, Inc. Vehicle power converter. 3,293,443, 12–20–66, Cl. 307—38.
Burch, William J., to United States of America, Navy. Machinery foundation and method of assembling. 3,228,638, 1–11–66, Cl. 248—22.
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Maring, Walter D. 3,238,762.
Burchardt, Kurt, and W. Kaufmann, to E. Kirchner. Concrete cooling tower. 3,226,894, 1–4–66, Cl. 52—223.
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Burchfield, James A., J. E. Bellinger, Jr., and J. H. MacNeil, to Soroban Engineering, Inc. Page printer mechanism with tilting and travelling print head. 3,291,041. 12–13–66, Cl. 101—93.
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Burdett, David F., J. R. Davey, A. T. Harty, and B. Ostendorf, Jr., to Bell Telephone Laboratories, Inc. Data receiving circuit. 3,245,040, 4–5–66, Cl. 340—172.5.
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Satre, Leland H., and C. L. and J. A. Burdett. 3,280,475.
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Burdick, Everette M. Method for recovering carotenoids and phytol from papaya plants. 3,248,301, 4–26–66, Cl. 195—2.
Burdick, Everette M. Method for treating papaya plants to recover desired constituents therefrom. 3,274,072, 9–20–66, Cl. 195—2.
Burdick, Everette M. Method for recovering chlorophylls from papaya plants. 3,274,073, 9–20–66, Cl. 195—2.
Burdick, Glen A., and G. R. Kautz, to Sylvania Electric Products, Inc. Light attenuator. 3,259,038, 7–5–66, Cl. 95—1.
Burdick, Glen A., and F. K. Collins, to Sylvania Electric Products Inc. Cathode ray tube gun having a second grid with and effective thickness. 3,295,001, 12–27–66, Cl. 313—82.
Burdick, Ralph V., Jr. Expandable box with non-removable cover. 3,286,872, 11–22–66, Cl. 220—41.
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Burford Co., The: *See*—
Burford, Charles E. 3,288,271.
Burg, Charles E.: *See*—
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Burg, Fred G. Universal horological instrument. 3,279,165, 10–18–66, Cl. 58—42.5.
Burg, Frederick J., to Salton, Inc. Banded glass container constructions. 3,241,699, 3–22–66, Cl. 215—100.
Burg, Frederick J., to Salton, Inc. Cold server with hold-over means. 3,286,483, 11–22–66, Cl. 62—371.
Burg, John P., and W. A. Schneider, to Texas Instruments Inc. Multi-point, multi-channel linear processing of seismic data. 3,284,763, 11–8–66, Cl. 340—15.5.
Burg, Joseph L., to Houdaille Industries, Inc. Quick positioning table. 3,267,772, 8–23–66, Cl. 77—64.
Burg, Marion, to E. I. du Pont de Nemours and Co. Photopolymerizable elements and processes. 3,245,796, 4–12–66, Cl. 96—67.
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Burgarella, John P., to Polaroid Corp. Shutter timing apparatus. 3,249,034, 5–3–66, Cl. 95—53.
Burge, David E., to Lever Brothers Co. Toothbrush. 3,263,258, 8–2–66, Cl. 15—167.
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Napper, Maxwell D., and Burge. 3,244,769.
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Burge, William G. Vertical boring mills. 3,260,140, 7–12–66, Cl. 82—2.
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Burger, Joanne D., and W. L. Howard, to The Dow Chemical Co. Monopropynyl ethers of glycerol. 3,290,388, 12–6–66, Cl. 260—615.
Burger, Karl-Hans. Crates for the carriage and storage of various goods. 3,268,147, 8–23–66, Cl. 229—32.
Burgert, Henry, Jr., to Aluminum Co. of America. Gripper stirrup for a can filling machine. 3,245,436, 4–12–66, Cl. 141—165.
Burgert, Herbert A., to Unitechnik Aktiengesellschaft. Shock and vibration absorber. 3,285,596, 11–15–66, Cl. 267—64.
Burgert, Herwig. Diaphragm pumps. 3,277,829, 10–11–66, Cl. 103—38.
Burgess, Bernard W., to Pulp & Paper Research Institute of Canada. Process and apparatus for continuous drying of continuous web materials. 3,248,798, 5–3–66, Cl. 34—9.
Burgess, Colin M.: *See*—
Petrow, Vladimir, Burgess, and Feather. 3,271,427.

Burgess, Colin M., P. Feather, and V. Petrow, to The British Drug Houses Ltd. 17α-chlorethynyl-17β-alkoxy steroids and process for their preparation. 3,271,254, 9–6–66, Cl. 167—74.

Burgess-Day, Inc.: *See*—
Baran, Joseph G. 3,241,751.

Burgess, Douglas P., to Cannon Mills Co. Electrically operated terry motion for looms. 3,240,235, 3–15–66, Cl. 139—25.

Burgess, Frank H., O. Morningstar, and G. Mathus, to Data Packaging Corp. Reel. 3,229,928, 1–18–66, Cl. 242—71.8.

Burgess, John L.: *See*—
Bibby, Norman W., Burgess, Crabbe, and Jones. 3,293,-843.

Burgess, Leonard G., and R. E. Wroblewski, to Equipment Mfg., Inc. Roll formed sheet metal beam construction. 3,234,704, 2–15–66, Cl. 52—731.

Burgess Products Co., Ltd.: *See*—
McAlpine, Ernest. 3,283,106.

Burgess, Ralph D.: *See*—
Thiele, Edward G., and Burgess. 3,272,331.

Burgess, Richard E., and H. A. von Pechmann, to McGaw Laboratories, Inc. Venoclysis equipment and method of administering two different parenteral liquids therefrom. 3,230,-954, 1–25–66, Cl. 128—214.

Burgess, Robin H., to Imperial Chemical Industries Ltd. Polyolefins containing a 2-hydroxy-benzophenone, a zinc dialkyldithiophosphate and optionally a trisphenol alkane as stabilizers. 3,244,667, 4–5–66, Cl. 260—45.75.

Burgess, Robin H., J. C. McGowan, and V. Griffiths, to Imperial Chemical Industries Ltd. Polyolefin compositions stabilized with thio diorganic esters and hydroxyspirohydrindenes. 3,265,660, 8–9–66, Cl. 260—45.85.

Burgess, Thomas G.: *See*—
Parker, Anthony H., and Burgess. 3,289,183.

Burgess, Warren C., Jr. Vibrator mounting. 3,253,663, 5–31–66, Cl. 173—131.

Burgess, Warren C., Jr. Feeder bowl construction. 3,280,964, 10–25–66, Cl. 198—220.

Burgess, Warren C., Jr. Hopper. 3,286,886, 11–22–66, Cl. 222—196.

Burgess, William R., to Continental Water Conditioning Corp. Apparatus for preparing mineral-free water. 3,245,537, 4–12–66, Cl. 210—85.

Burgett, Frank A.: *See*—
Doyle, Joseph C., Burgett, Sauers, and Bernardin. 3,228,-558.

Burgett, Leslie M., to Whitney Metal Tool Co. Punch press with adjustable ram. 3,239,039, 3–8–66, Cl. 192—12.

Burggraf, Frederick: *See*—
Shayeson, Maurice W., and Burggraf. 3,229,499.

Burghart, George. Cleat materials. 3,246,918, 4–19–66, Cl. 285—64.

Burghoff, Henry L., F. G. Parker, and D. Mends, to Chase Brass and Copper Co., Inc. Copper base alloys and the method of treating the same to improve their machinability. 3,253,910, 5–31–66, Cl. 75—135.

Burgi, Charles E., and J. G. Wong, to North American Aviation, Inc. Power supply. 3,240,997, 3–15–66, Cl. 317—33.

Burgin, Kermit H. Adjustable tent roof support. 3,259,140, 7–5–66, Cl. 135—1.

Burgman, Herbert A.: *See*—
Bober, Edward S., and Burgman. 3,268,698.

Burgman, Jerome A., and L. L. Margason, to Pittsburgh Plate Glass Co. Method and apparatus for forming hollow glass fibers. 3,268,313, 8–23–66, Cl. 65—5.

Burgon, William J., to Canadian Forest Products Ltd. Processes for the production of phosphate products. 3,239,-329, 3–8–66, Cl. 71—23.

Burgy, Raymond A., and P. F. DeLamater, to Toledo Scale Corp. Elevator control including means to select most favorable car to exclusively serve a priority call. 3,236,-332, 2–22–66, Cl. 187—29.

Burgyan, Aladar, and W. Votava. Gray ceramics containing a calcined mixture of aluminum and vanadium compounds. 3,271,171, 9–6–66, Cl. 106—39.

Burhans, Allison S.: *See*—
Soldatos, Anthony C., and Burhans. 3,256,368.

Burhans, William G., and W. H. Gray, to W. G. B. Oil Clarifier, Inc. Filter. 3,233,738, 2–8–66, Cl. 210—458.

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Burillon, Pierre: *See*—
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Chezaud, Jean C., Burillon, and Mangieri. 3,230,916.
Chezaud, Jean C., Burillon, and Mangieri. 3,235,434.
Chezaud, Jean C., Burillon, and Mangieri. 3,241,508.
Chezaud, Jean C., Burillon, and Mangieri. 3,256,844.

Burk, Emmett H., and D. D. Carlos, to Sinclair Research, Inc. Certain arylenepoly-1,3,2,4-dioxathiazole oxide compounds. 3,268,542, 8–23–66, Cl. 260—301.

Burk, Emmett H., Jr.: *See*—
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Burk, Emmett H., Jr., and W. D. Hoffman, to Sinclair Research, Inc. Production of quaternary carbon-containing monoolefins by thermal dehydrohalogenation. 3,227,770, 1–4–66, Cl. 260—677.

Burk, Emmett H., Jr., B. W. Turnquest, and W. D. Hoffman, to Sinclair Research, Inc. Production of isoprene. 3,233,006, 2–1–66, Cl. 260—680.

Burk, Emmett H., Jr., and D. D. Carlos, to Sinclair Research, Inc. Certain arylenepoly-1,3,2,4-dioxathiazole oxide compounds. 3,268,542, 8–23–66, Cl. 260—301.

Burk, Emmett H., Jr., B. W. Turnquest, and C. J. Bragg, to Sinclair Research, Inc. Process for the separation of mixtures of tertiary butyl chloride and 3,d-dimethylbutene. 3,287,433, 11–22–66, Cl. 260—677.

Burk, Eugen, to Siemens-Electrogerate Aktiengesellschaft. Apparatus for hydraulic deep-drawing of sheet metal. 3,286,496, 11–22–66, Cl. 72—54.

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De Shazor, James C., Jr., Burk, and Jackson. 3,245,196.

Burk, Marvin C., to Phillips Petroleum Co. Automatic zeroing system. 3,247,703, 4–26–66, Cl. 73—23.1.

Burk, Marvin C., R. L. Kindred, and F. W. Karasek, to Phillips Petroleum Co. Analysis and ratio computing apparatus. 3,242,327, 3–22–66, Cl. 235—183.

Burk, Marvin C., C. E. Jones, and H. M. Neer, to Phillips Petroleum Co. Analysis apparatus using controlled logic circuitry. 3,267,264, 8–16–66, Cl. 235—151.35.

Burk, Marvin C., and H. M. Neer, to Phillips Petroleum Co. Electrical measuring apparatus. 3,280,313, 10–18–66, Cl. 235—151.35.

Burk, Melvin. Surface projectile game with changeable targets. 3,232,619, 2–1–66, Cl. 273—123.

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Burkardt, Lohr A., and W. G. Finnegan, to United States of America, Navy. Metallic composition for production of hygroscopic smoke. 3,274,035, 9–20–66, Cl. 149—40.

Burkart, Edward H.: *See*—
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Burkdoll, Francis B., to United States of America, Atomic Energy Commission. Explosively releasable bolt. 3,277,-766, 10–11–66, Cl. 85—1.

Burke, Albert P: *See*—
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Peters, Leo, Burke, and Smith. 3,240,030.

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Burke and Co.: *See*—
Burke, Val J. 3,243,942.

Burke Concrete Accessories, Inc.: *See*—
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Burke, Daniel M. Impact absorbing mat. 3,251,076, 5–17–66, Cl. 5—351.

Burke, Donald J., to Continental Industries, Inc. Safety T fitting with check valve. 3,247,862, 4–26–66, Cl. 137—318.

Burke, Earl J., to Sprague Electric Co. Terminal making apparatus. 3,227,194, 1–4–66, Cl. 140—102.5.

Burke, Earl J., to Sprague Electric Co. Terminal lead. 3,227,529, 1–4–66, Cl. 29—190.

Burke, Edward P. Respirator for laryngectomies. 3,262,447, 7–26–66, Cl. 128—140.

Burke, Fred E., and S. M. Heffren, to Canadian General Electric Co., Ltd. Method of making encapsulated transformers containing a dielectric gas. 3,240,848, 3–15–66, Cl. 264—102.

Burke, George F. C., to United Shoe Machinery Corp. Cable lacing methods. 3,252,723, 5–24–66, Cl. 289—1.5.

Burke, Harold J.: *See*—
Crawford, Robert B. P., and Tackett. 3,271,756.

Burke, Irvin D.: *See*—
Mallonee, Richard C., and Burke. 3,282,555.

Burke, James D. J., Jr., and C. O. Hawkins, to E. I. du Pont de Nemours and Co. Spinnerette. 3,247,546, 4–26–66, Cl. 18—8.

Burke, John J., to Kaiser Steel Corp. Transfer device with an article bumper. 3,291,519, 12–13–66, Cl. 294—67.

Burke, Kenneth O., to Owens-Illinois, Inc. Case unloader. 3,289,867, 12–6–66, Cl. 214—309.

Burke, Mary Lou: *See*—
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Burke, Oliver W., Jr.: *See*—
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Stahly, Eldon E., Grace, and Burke. 3,282,867.

Burke, Oliver W., Jr. Lubricants. 3,258,425, 6–28–66, Cl. 252—17.

Burke, Oliver W., Jr., and C. B. Jackson, said Jackson, assor. to said Burke, Jr. Silica pigments and preparation thereof. 3,250,594, 5–10–66, Cl. 23—182.

Burke, Oliver W., Jr. and C. B. Jackson, said Jackson assor. to said Burke. Apparatus for the production of silica pigments. 3,256,068, 6–14–66, Cl. 23—285.

Burke, Oliver W., Jr., and O. M. Grace; said Grace assor. to said Burke. Aqueous dispersions of hydrous halogenated interpolymer material and uses thereof. 3,278,467, 10–11–66, Cl. 260—3.5.

Burke, Oliver W., Jr., and C. B. Jackson; said Jackson assor. to said Burke. Silica pigments and preparation thereof. 3,281,210, 10–25–66, Cl. 23—182.

Burke, Oliver W., Jr., and E. E. Stahly; said Stahly assor. to said Burke. Process for the purification of tobacco smoke. 3,288,150, 11–29–66, Cl. 131—261.

Burke, Oliver W., Jr., and E. E. Stahly; said Stahly assor. to said Burke. Process for the purification of tobacco smoke. 3,288,151, 11–29–66, Cl. 131—262.

Burke, Oliver W., Jr., and E. E. Stahly; said Stahly assor. to said Burke. Process for the purification of tobacco smoke. 3,288,152, 11–29–66, Cl. 131—267.

Burke, Oliver W., Jr., and E. E. Stahly; said Stahly assignor to said Burke. Method of purifying tobacco smoke. 3,291,-139, 12–13–66, Cl. 131—262.

Burke, Robert C., to Dade Reagents, Inc. Rinsing pipette. 3,233,785, 2–8–66, Cl. 222—158.

Burke, Ronald R., C. J. Sprague, and S. Gibson, ¼ to N. L. Easley. Rotary internal combustion engine. 3,266,470, 8–16–66, Cl. 123—16.

Burke, Val J., to Burke and Co. Adsorber cartridge and retainer construction. 3,243,942, 4–5–66, Cl. 55—387.

Burke, Walter J., to Pittsburgh Plate Glass Co. Apparatus for drawing glass sheet. 3,232,734, 2–1–66, Cl. 65—203.

Burke, William G., Jr.: *See*—
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Burke, William J., to Roll-O-Sheets, Inc. Semi-automatic capping machine. 3,233,386, 2–8–66, Cl. 53—329.

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Von Zelewsky, Ottomar, and Burkert. 3,226,768.
Von Zelewsky, Ottomar, and Burkert. 3,226,909.

Burkett, Ferdinand H. Stock rack tail gate. 3,262,732, 7–26–66, Cl. 296—52.

Burkett, Francis L., to The Dow Chemical Co. Apparatus for delivery of predetermined amounts of molten metals to a die casting machine. 3,248,759, 5–3–66, Cl. 22—79.

Burkett, Francis L., to The Dow Chemical Co. Molten metal dispensing apparatus. 3,252,187, 5–24–66, Cl. 22—70.

Burkett, Wilford B., L. R. Crist, J. L. Dooley, J. W. Oehrli, and E. D. Wilkin, to McCulloch Corp. Balanced piston engine. 3,252,452, 5–24–66, Cl. 123—185.

Burkhalter, Roy L., and C. W. Kayser, to The Garrett Corp. Piezoelectric pressure transducer. 3,239,696, 3–8–66, Cl. 310—8.6.

Burkhard, Mahlon D., to Industrial Research Products, Inc. Feedback control apparatus. 3,257,510, 6–21–66, Cl. 179—1.

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Burkhardt, Gottfried: *See*—
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Burkhardt, Rolf, to Compur-Werk Gesellschaft mit beschrankter Haftung & Co. Microtome. 3,286,575, 11–22–66, Cl. 83—699.

Burkhardt, Rolf, R. Lankes, and A. Imhof, to Compur-Werk Gesellschaft mit beschrankter Haftung & Co. Microtome. 3,293,972, 12–27–66, Cl. 83—414.

Burkhart, William H., to Monroe International Corp. Keying method and apparatus. 3,234,512, 2–8–66, Cl. 340—146.3.

Burkhart, William H., to Monroe International Corp. Two-register calculator for performing multiplication and division using identical operational steps. 3,249,745, 5–3–66, Cl. 235—160.

Burkhart, William H., Jr. Strip of flexible material having a plurality of separate metal elements mounted thereon in adjacent parallel relationship. 3,285,715, 11–15–66, Cl. 29—183.

Burkholder, Jack. Self-tapping service valve fitting. 3,240,-226, 3–15–66, Cl. 137—318.

Burkholder, Jack. Service main valve tap fitting. 3,240,227, 3–15–66, Cl. 137—318.

Burkholder, Robert L., R. J. Goutanis, and H. Osofsky, to Sperry Rand Corp. Computer input-output system. 3,251,-040, 5–10–66, Cl. 340—172.5.

Burkley, Ralph A., and A. D. Golladay, to Goodyear Aerospace Corp. Variable velocity traverse drive mechanism. 3,250,-493, 5–10–66, Cl. 242—158.

Burklo, Donald C., to Kaiser Aluminum & Chemical Corp. Suspended refractory brick. 3,280,772, 10–25–66, Cl. 110—99.

Burklo, Donald C., to Kaiser Aluminum & Chemical Corp. Apparatus for mixing and gunning slurries. 3,286,995, 11–22–66, Cl. 259—169.

Burklo, Donald C., and C. H. Miller, to Kaiser Aluminum & Chemical Corp. Suspended refractory units. 3,280,771, 10–25–66, Cl. 110—99.

Burklund, Glenn A., to Burklund Laboratories, Inc. Weft straightener. 3,247,566, 4–26–66, Cl. 26—51.3.

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Burklund, Glenn A. 3,247,566.

Burkmeyer, John B.: *See*—
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Burks, Darnall P., and J. H. Fabricius, to Sprague Electric Co. Encapsulated flat package for electronic parts. 3,265,-806, 8–9–66, Cl. 174—52.

Burks, Robert E., Jr., J. C. Lacey, Jr., and T. W. Ray, to Southern Research Institute. Infusible silylamine polymer and process for producing same. 3,228,895, 1–11–66, Cl. 260—2.

Burlak, Oleg, to International Telephone and Telegraph Corp. Shift register employing an energy storage means for each four-layer diode in each stage. 3,258,614, 6–28–66, Cl. 307—88.5.

Burlant, William J., to Ford Motor Co. Process of coating the exterior surface of articles with a polymerizable coating material subjected to high energy ionizing irradiation. 3,247,012, 4–19–66, Cl. 117—93.31.

Burleigh, John E., and C. A. Uraneck, to Phillips Petroleum Co. Preparation of cis-polybutadiene latex with sorbitans, sorbides or monoolefin-maleic anhydride copolymer. 3,258,-440, 6–28–66, Cl. 260—23.7.

Burleson, Aaron, to Burlington Industries, Inc. Apparatus and method for bulking yarn. 3,256,582, 6–21–66, Cl. 28—1.

Burleson, Louis J., and W. Arnold, ¼ to V. Jackson. Safety mail box. 3,295,124, 12–27–66, Cl. 340—281.

Burley, Billy, to Johnson Service Co. Condition-responsive electronic control affording continuous energization. 3,231,-750, 1–25–66, Cl. 307—39.

Burley, Billy, to Johnson Service Co. Electronic control responsive to opposite senses of condition deviation. 3,240,948, 3–15–66, Cl. 307—39.

Burley, Billy, to Johnson Service Co. Electronic system responsive to opposite senses of condition deviation. 3,243,-597, 3–29–66, Cl. 307—39.

Burley, Billy, to Johnson Service Co. Condition responsive electronic system. 3,243,685, 3–29–66, Cl. 321—16.

Burley, Billy, to Johnson Service Co. Electronic system affording reversible modulating control. 3,281,653, 10–25–66, Cl. 323—37.

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Burley, Ronald R., to Hoffman Engineering Corp. Wiring trough having hinged or completely removable cover. 3,243,503, 3–29–66, Cl. 174—101.

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Burlin, Benjamin H., and G. F. Curcio. Swimming pool cleaner. 3,238,549, 3–8–66, Cl. 15—1.7.

Burling, Elmer R., to Improved Machinery Inc. Extrusion washer. 3,268,923, 8–30–66, Cl. 8—156.

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Burlington Industries, Inc.: *See*—
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Atwell, Everett C. 3,240,620.
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Gliksmann, David, and Petree. 3,289,401.

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Allibone, Bernard C., and Russell. 3,234,122.

Burmaster, Chester F., and J. C. Johnston, to Eastman Kodak Co. Recovery of ketones from acid solutions by distillation in the presence of an aqueous alkali. 3,276,973, 10–4–66, Cl. 203—37.

Burmeister, Harland R., to A. O. Smith Corp. Free breathing storage structure for sterilized grain. 3,252,402, 5–24–66, Cl. 99—235.

Burmeister, Henry. Display supports. 3,289,994, 12–6–66, Cl. 248—225.

Burmeister, William W., and R. K. Radtke, to Sperry Rand Corp. Gimbal error compensating system. 3,234,444, 2–8–66, Cl. 318—30.

Burmeister, William W., and R. K. Radtke, to Sperry Rand Corp. Gimbal error corrected gyroscopic system. 3,259,-822, 7–5–66, Cl. 318—30.

Burn, Derek: *See*—
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Burnbaum, Jack, to Bradford Novelty Co., Inc. Illuminating ornament. 3,235,722, 2–15–66, Cl. 240—10.1.

Burnbaum, Jack. Illuminating ornament having a lens member. 3,259,740, 7–5–66, Cl. 240—106.

Burndy Corp.: *See*—
Abel, Edmond L., and Spanyi. 3,231,851.
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Burnell, Vernon G. Pamphlet assembly and stapling machine. 3,265,274, 8–9–66, Cl. 227—7.
Burnelli, Hazel G.: *See*—
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Burnelli, Vincent J., deceased, by H. G. Burnelli, executrix. Advanced jet engine installation. 3,285,538, 11–15–66, Cl. 244—36.
Burner, Andre H., to The French Oil Mill Machinery Co. Screw press. 3,246,597, 4–19–66, Cl. 100—145.
Burner, Andre H., deceased, by J. M. Burner, executrix, to The French Oil Mill Machinery Co. Apparatus for drying elastomeric materials. 3,276,354, 10–4–66, Cl. 100—150.
Burner, Andre H., to The French Oil Mill Machinery Co. Screw press and shredder apparatus. 3,285,163, 11–15–66, Cl. 100—98.
Burner, Andre H., and A. D. Graham, to The French Oil Mill Machinery Co. Controls for dewatering press. 3,276,353, 10–4–66, Cl. 100—37.
Burner, Donald L., to Acme Tool, Inc. Pipe transfer elevator. 3,265,431, 8–9–66, Cl. 294—86.25.
Burner, Donald L., to Acme Tool, Inc. Fishing tool. 3,273,-932, 9–20–66, Cl. 294—86.33.
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Burner, Jean M.: *See*—
Burner, Andre H., and J. 3,276,354.
Burness, Donald M.: *See*—
Allen, Charles F. H., and Burness. 3,232,761.
Allen, Charles F. H., and Burness. 3,232,764.
Jeffreys, Roy A., and Burness. 3,291,624.
Burness, Donald M., to Eastman Kodak Co. Method of preparing tetraalkoxybutenes. 3,240,818, 3–15–66, Cl. 260—615.
Burness, Donald M., to Eastman Kodak Co. Alkylamino-2-hydroxypropyl quaternary ammonium compounds. 3,271,-443, 9–6–66, Cl. 260—501.
Burness, Donald M., and B. D. Wilson, to Eastman Kodak Co. Gelatin compositions containing a bisisomaleimide hardener. 3,232,763, 2–1–66, Cl. 96—111.
Burness, Donald M., and M. D. Sterman, to Eastman Kodak Co. Aziridinyl phosphonitrile gelatin hardening agent. 3,271,175, 9–6–66, Cl. 106—125.
Burnet, Arthur L., and H. J. Woods, to Burlington Industries, Inc. 3,268,955, 8–30–66, Cl. 19—240.
Burnett, Arthur H., to Berkley Machine Co. Side flap folding section of a rotary envelope making machine. 3,288,-037, 11–29–66, Cl. 93—61.
Burnett, Elmer B., to Ingersoll-Rand Co. Height adjustable pendent control. 3,237,780, 3–1–66, Cl. 212—26.
Burnett, George H., to General Electric Co. Fuse in lead-in of incandescent lamp filament. 3,249,798, 5–3–66, Cl. 315—73.
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Aylett, Bernard J., and Burnett. 3,234,148.
Burnett, Joel M., to Bartlett-Snow-Pacific, Inc. Mold transporting system. 3,254,376, 6–7–66, Cl. 22—20.
Burnett, Lonnie A., to The Cincinnati Milling Machine Co. Quinary adder carry circuit. 3,293,423, 12–20–66, Cl. 235—174.
Burnett, Lonnie A., H. M. Fuldner, N. D. Neal, and J. W. Wilson, to The Cincinnati Milling Machine Co. Automatic control system. 3,287,545, 11–22–66, Cl. 235—151.11.
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Burnham, John. Etched metal valve surfaces of tantalum or niobium or titanium. 3,259,475, 7–5–66, Cl. 29—183.
Burnham, John. Process for purifying electrode surfaces. 3,282,807, 11–1–66, Cl. 204—37.
Burnham, John. Capacitor electrolyte. 3,290,561, 12–6–66, Cl. 317—230.
Burnham, John, and S. E. Johnson. Seal constructions for electrical devices. 3,256,382, 6–14–66, Cl. 174—17.05.
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Burnham, Richard C., to Bete Fog Nozzle, Inc. Humidifier nozzle. 3,251,556, 5–17–66, Cl. 239—338.
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Burniski, Anthony J., to Prince Gardner Co., Inc. Expansible fastener device. 3,292,225, 12–20–66, Cl. 24—217.
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Burns, Andrew B., to United States of America, Air Force. Self-aligning landing support apparatus for space vehicles. 3,243,149, 3–29–66, Cl. 244—100.
Burns, Bennett W. Connection for abutting wood members. 3,247,635, 4–26–66, Cl. 52—223.
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Burns, Joseph R., and J. J. Amodei, to Radio Corp. of America. Pulse generator. 3,249,772, 5–3–66, Cl. 307—107.
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Burrows, James L., to Laboratory for Electronics, Inc. Doppler radar system. 3,247,511, 4–19–66, Cl. 343—8.

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Butler, Roger M., and J. Eng, to Esso Research and Engineering Co. Selective conversion of normal paraffins. 3,294,858, 12–27–66, Cl. 260—683.
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Buttel, Kurt, to Blendax-Werke R. Schneider & Co. Arrangement of hinged molds for wax-like solids. 3,263,273, 8–2–66, Cl. 18—26.
Buttenhoff, Edward W., to Honeywell Inc. SCR control circuit gated by unijunction transistor relaxation oscillator with capacitive linearization. 3,252,010, 5–17–66, Cl. 307—88.5.
Butter, George N., to Commercial Solvents Corp. Halides of ruthenium and osmium in conjunction with cobalt and iodine in the production of ethanol from methanol. 3,285,948, 11–15–66, Cl. 260—642.
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Cabbage, John T., to Phillips Petroleum Co. Two-stage isomerization system. 3,277,194, 10–4–66, Cl. 260—666.

Cabbage, John T., and J. Van Pool, to Phillips Petroleum Co. Automatic controls in a fractionating column. 3,249,-519, 5–3–66, Cl. 203—2.

Cabbage, John T., and P. D. Hann, to Phillips Petroleum Co. Hydrocarbon production. 3,287,429, 11–22–66, Cl. 260—66.

Cabe, Ray W., and W. C. Sondergard, to Tamer Electronics Industries, Inc. Traffic signal controller. 3,271,734, 9–6–66, Cl. 340—37.

Cabeal, Jackie A.: *See*—
Bost, John J., Cera, and Cabeal. 3,232,801.

Cabin Crafts, Inc.: *See*—
McElhinney, Douglas H. 3,285,796.
Printz, Stanley M. 3,251,092.

Cable Electric Products, Inc.: *See*—
Abrams, Ralph. 3,242,329.
Bucheister, Henry, and Abrams. 3,268,748.
Schwartz, Frederick W. 3,235,771.

Cable-Clean Corp.: *See*—
Stevenson, Clair V. 3,274,633.

Cable, Grover C., to Angeles Metal Trim Co. Wallboard trim construction. 3,255,561, 6–14–66, Cl. 52—255.

Cable Isolation Systems, Inc.: *See*—
Burroughs, Franklin P. 3,238,743.
Burroughs, Franklin P. 3,238,745.
Camossi, Carlo. 3,238,744.
Camossi, Carlo. 3,239,207.

Caboara, Maddalena: *See*—
Sarati, Luigi, and Caboara. 3,234,515.

Cabot Corp.: *See*—
Aftandilian, Victor D. 3,274,120.
Aftandilian, Victor D. 3,284,329.
Aftandilian, Victor D. 3,285,890.
Aftandilian, Victor D. 3,285,891.
Aftandilian, Victor D. 3,288,725.
Aftandilian, Victor D., and MacKenzie. 3,243,422.
Albro, Henry H. 3,228,096.
Albro, Henry H. 3,253,449.
Albro, Henry H., and McLaughlin. 3,255,775.
Dobbin, Rolline E., and Beck. 3,294,567.
Doppler, Leonard H., and Hardy. 3,265,651.
Hardy, John F. 3,279,527.
Hardy, John F., Jordan, and Medalia. 3,282,327.
Heitmiller, Richard F., and Cottingham. 3,240,747.
Jones, Louis C., Jr., Stafford, and Edminster. 3,293,003.
MacKenzie, James C. 3,280,096.
MacKenzie, James C., and Orzechowski. 3,285,876.
MacKenzie, James C., and Orzechowski. 3,285,892.
MacKenzie, James C., and Orzechowski. 3,285,895.
MacKenzie, James C., and Orzechowski. 3,285,896.
MacKenzie, James C., and Orzechowski. 3,285,898.
MacKenzie, James C., and Smith. 3,228,008.
MacKenzie, James C., and Yancey. 3,285,878.
MacKenzie, James C., and Yancey. 3,288,771.
Medalia, Avrom I., and Hagopian. 3,294,733.
Orzechowski, Adam. 3,243,421.
Sijaka, Vincent A., and Opie. 3,229,507.
Trunk, Eugene J. 3,265,800.

Cabot, Philip D., and R. D. Lowry, to Lowry Development Corp. Nail feed mechanism. 3,249,280, 5–3–66, Cl. 227—116.

Cabot, Samuel. Devices for use in applying surface treating liquids. 3,271,807, 9–13–66, Cl. 15—223.

Cachelin, Donald B., and H. Marchant, to Scientific Data Systems, Inc. Shift register employing resonant circuit between sages and clock pulse to effect shifting. 3,238,-381, 3–1–66, Cl. 307—88.5.

Cacossa, Frank G.: *See*—
Butterfield, Walter L., and Cacossa. 3,257,766.

Caddell, Alfred M. Combination exhaust suction and radiator cooling fan. 3,269,110, 8–30–66, Cl. 60—32.

Caddock, Richard E.: *See*—
Bourns, Marlan E., Caddock, and Mathison. 3,242,450.

Caddy, Edward W. J., I. D. Guest and L. V. Guest, deceased (F. G. Guest administrator), to The Garrard Engineering and Mfg. Co. Ltd. Record changing mechanism. 3,243-187, 3–29–66, Cl. 274—10.

Caddy, Edward W. J., and L. V. Guest, deceased (I. D. and F. G. Guest administrators), to The Garrard Engineering and Mfg. Co. Ltd. Record changing mechanism. 3,243,-188, 3–29–66, Cl. 274—10.

Cade, George I., and W. A. Snidarich, to Honeywell Inc. Fuel cell control system. 3,268,364, 8–23–66, Cl. 136—86.

Cade, Phillip J., to Electronics Corp. of America. Ultraviolet radiation detector. 3,255,354, 6–7–66, Cl. 250—83.6.

Cadenhead, Roy A., to Callaway Mills Co. Fiber handling method and apparatus. 3,251,095, 5–17–66, Cl. 19—80.

Cadillac Gage Co.: *See*—
Bidlack, Jerald D. 3,264,947.
Brandstadter, Jack M. 3,238,849.
Brandstadter, Jack M. 3,242,820.
Howland, Donald C. 3,258,025.
Yount, Emory N., and McKinnon. 3,265,350.

Cadillac, John G. and R. T., to Ascon Contracting Co., Inc. Vehicle packaging. 3,286,827, 11–22–66, Cl. 206—47.

Cadillac Products, Inc.: *See*—
Williams, Robert J. 3,231,454.

Cadillac, Robert T.: *See*—
Cadillac, John G. and R. T. 3,286,827.

Cadiou, Jean, to Andre Citroen, Societe Anonyme. Crankcase breather. 3,229,591, 1–18–66, Cl. 92—82.

Cadiou, Jean, to Societe Anonyme Andre Citroen. Three-way valves with adjustable overlap. 3,240,231, 3–15–66, Cl. 137—625.27.

Cadiou, Jean, to Andre Citroen Societe Anonyme. Ball joint of steering wheels of a vehicle equipped with a hydropneumatic suspension system. 3,261,620, 7–19–66, Cl. 280—96.2.

Cadiou, Jean, to Andre Citroen, Societe Anonyme. Devices for limiting the slipping of vehicle wheels during brake applications. 3,264,039, 8–2–66, Cl. 303—6.

Cadiou, Jean, to Andre Citroen Societe Anonyme. Spot type disc brakes. 3,285,371, 11–15–66, Cl. 188—73.

Cadiou, Jean, to Societe Anonyme Andre Citroen. Load responsive brake system. 3,289,796, 12–6–66, Cl. 188—152.

Cadiou, Jean G., to Andre Citroen Societe Anonyme. Fuel injector for internal combustion engines. 3,249,308, 5–3–66, Cl. 239—453.

Cadman, Kenneth J.: *See*—
Young, George B. A., and Cadman. 3,273,921.

Cadmus, Martin C., and R. F. Anderson, to United States of America, Agriculture. Process for a microbial polysaccharide. 3,228,855, 1–11–66, Cl. 195—31.

Cado Corp.: *See*—
Bedford, William A., Jr. 3,266,146.

Cadogan, John I. G.: *See*—
Hey, Donald H., and Cadogan. 3,282,832.

Cadorette, George, to Draper Corp. Filling feeler. 3,263,709, 8–2–66, Cl. 139—281.

Cadorin, Dante: *See*—
Marullo, Gerlando, Fornasieri, and Cadorin. 3,265,606.

Cadotte, John E., to Wood Conversion Co. Sag-resistant fiberboard containing hydrophilic binder. 3,243,340, 3–29–66, Cl. 162—135.

Cadotte, John E., and E. W. Juntti, to Woods Conversion Co. Flame resistant mineral fiber tile. 3,248,257, 4–26–66, Cl. 117—126.

Cadre Industries Corp.: *See*—
Weber, Roger L. 3,249,874.

Cadwallader, John A.: *See*—
Stoddard, Robert K., and Cadwallader. 3,228,265.

Cadwallader, Robert H., to International Business Machines Corp. Terminal connector. 3,281,754, 10–25–66, Cl. 339—61.

Cadwell, Jerry J., to United States of America, Atomic Energy Commission. Disconnectable tube coupling. 3,229,996, 1–18–66, Cl. 285—110.

Cady, Charles E.: *See*—
Cunningham, David R., Cady, and Stone. 3,263,557.

Cady, Clarence E. Egg shaper. 3,227,066, 1–4–66, Cl. 249—58.

Cady, George H.: *See*—
Porter, Roger S., and Cady. 3,230,263.
Porter, Roger S., and Cady. 3,230,264.

Cady, Percy L., Jr., to De Laval Turbine Inc. Brakes for forming plate or sheet workpieces. 3,282,076, 11–1–66, Cl. 72—35.

Caesar, George V. Process of making cationic starch and resulting product. 3,243,426, 8–29–66, Cl. 260—233.3.

Caesar, Michael, to Berkey Photo, Inc. Method of re-registry of negatives and the like. 3,290,975, 12–13–66, Cl. 83—33.

Caesar, Philip D., to Socony Mobil Oil Co., Inc. Electrode for fuel cells. 3,236,693, 2–22–66, Cl. 136—86.

Caesar, Philip D., to Socony Mobil Oil Co., Inc. Fuel cell containing solid aluminosilicate electrolyte. 3,266,940, 8–16–66, Cl. 136—86.

Cafferty, Patricia D.: *See*—
Marchessault, Robert H., and Cafferty. 3,248,382.

Cagen, George. Size reduction of sheet material. 3,228,274, 1–11–66, Cl. 83—100.

Cagigal Gutierrez, Jesus A. Device for filing plans. 3,294,093, 12–27–66, Cl. 129—1.

Cagle, Charles C.: *See*—
Hubbard, David C., Cagle, Fink, and Le Vee. 3,287,491.

Cagle, Wesley J., to J. I. Case Co. Seed dropper wheel. 3,276,404, 10–4–66, Cl. 111—51.

Cagneron, Lucien J., and E. A. Skaradzinski, to Archer-Daniels-Midland Co. Rehydrogenation of hydrogenated fatty acids. 3,271,410, 9–6–66, Cl. 260—409.

Cahan, Bernard R.: *See*—
Frohock, Richard H. 3,277,808.

Cahen, Raymond M.: *See*—
Marechal, Joseph E. M., Debus, and Cahen. 3,269,939.

Cahen, Roger R.: *See*—
De France, Henri, and Cahen. 3,284,653.

Cahill, Bernard S., to National Rejectors, Inc. Method and apparatus for detecting currency. 3,275,138, 9–27–66, Cl. 209—111.7.

Cahill, Edward P. Collapsible container. 3,288,319, 11–29–66, Cl. 217—12.

Cahill, John J. Reinforcement applicator. 3,289,509, 12–6–66, Cl. 83—140.

Cahill, John L.: *See*—
Leland, Gerald H., and Cahill. 3,264,530.

Cahill, Joseph J., Jr.: *See*—
Zbornik, Howard G., and Cahill. 3,250,681.

Cahill, Robert F., to FMC Corp. Vehicle suspension apparatus. 3,246,906, 4–19–66, Cl. 280—6.1.

Cahill, Robert F., B. V. Hunter, and H. H. Thompson, to FMC Corp. Modular steered wheel transporter. 3,280,931, 10–25–66, Cl. 180—23.

Cahill, William T., and R. B. Walters, to Corning Glass Works. Lighting fixture. 3,248,534, 4–26–66, Cl. 240—78.

Cahlik, Jim C., to Parke, Davis & Co. Packaging of surgical gauze sponges and the like. 3,288,327, 11–29–66, Cl. 221—70.

Cahn, Arno, M. D. Konort, and M. A. Goldberg, to Lever Brothers Co. Dentifrice composition. 3,256,155, 6–14–66, Cl. 167—93.

Cahn, Arno, and T. J. Kaniecki, to Lever Brothers Co. N-(2-hydroxyalkyl)-N-methyltaurine-N-oxides. 3,267,135, 8–16–66, Cl. 260—513.

Cahn, David D. Engine vapor recycle system. 3,234,925, 2–15–66, Cl. 123—119.

Cahn, Lee. Electrical balance. Re. 26,100, 10–11–66, Cl. 177—210.

Cahn, Leon J., to Lee Machinery Corp. Flexographic presses. 3,233,539, 2–8–66, Cl. 101—182.

Cahn, Leon J., to Lee Machinery Corp. Enclosed ink trough with ink roller shaft sealing means. 3,286,627, 11–22–66, Cl. 101—364.

Cahn, Robert P.: *See*—
Creighton, Peter J., and Cahn. 3,280,010.

Cahn, Robert P., to Esso Research and Engineering Co. Semi-permeable membrane extraction. 3,244,763, 4–5–66, Cl. 260—677.

Cahn, Robert P., to Esso Research and Engineering Co. Metal halides as complexing agents in reversible chemical reactions. 3,287,086, 11–22–66, Cl. 23—198.

Cahn, Robert P., and W. H. Jones, to Esso Research and Engineering Co. Olefin purification process. 3,256,265, 6–14–66, Cl. 260—96.5.

Cahoon, Dick B., and L. B. Romine, to North American Aviation, Inc. Acceleration and rate control for gyro case rotation. 3,269,195, 8–30–66, Cl. 74—5.4.

Cahoy, Roger P.: *See*—
Anspon, Harry D., and Cahoy. 3,247,156.

Caille, Eugene H., and R. H. O'Brien, to C-K Air Conditioning Inc. Control devices for ultraclean facilities. 3,261,050, 7–19–66, Cl. 15—311.

Caille, Georges E.: *See*—
Jolivet, Pierre F. M. J., Caille, and Olagnier. 3,233,649.

Cailloux, Paul, to Promecan (Les Procedes Mecaniques Moderners) Etablissements. High pressure hydraulic pumps. 3,227,094, 1–4–66, Cl. 103—159.

Cain, Alfred R., to Firestone Tire & Rubber Co. Polymerization process using dispersed sodium. 3,263,759, 8–9–66, Cl. 260—683.15.

Cain, Carl C., and B. Sutton. Keyholding accessory for a ladies' handbag. 3,294,136, 12–27–66, Cl. 150—84.

Cain, Cornelius K., and J. N. Plampin, to McNeil Laboratories, Inc. Certain 2-benzoxazolinone compounds having methoxy and halo substituents. 3,268,546, 8–23–66, Cl. 260—307.

Cain, Dallas E.: *See*—
Lester, Howard L., and Cain. 3,282,888.

Cain, Earl S., Jr., and G. L. Green, to The Garrett Corp. Shaft seal. 3,235,274, 2–15–66, Cl. 277—142.

Cain, Francis M., Jr., and F. M. Cain III, to Nuclear Materials and Equipment Corp. Method of making a specimen assembly. 3,268,644, 8–23–66, Cl. 264—266.

Cain, Francis M., III: *See*—
Cain, Francis M., Jr., and F. M. Cain III. 3,268,644.

Cain, Frank D., Jr.: *See*—
Wilkie, John R., Szostak, Johnson, and Cain. 3,270,470.

Cain, Harry C. Milking system. 3,282,250, 11–1–66, Cl. 119—14.4.

Cain, James B. Refrigerant-holding attachment for a container. 3,282,068, 11–1–66, Cl. 62—457.

Cain, Robert E. Floor treating machines. 3,290,716, 12–13–66, Cl. 15—353.

Caine, Earle M. Stripper knife. 3,257,722, 6–28–66, Cl. 30—91.

Caine, Frank A., to Humber Ltd. Electric lamps. 3,233,095, 2–1–66, Cl. 240—46.03.

Caine, Rolland H., to R. R. Donnelley & Sons Co. Photographic registration and compositing method for preparing resists for etching gravure cylinders. 3,232,760, 2–1–66, Cl. 96—43.

Caines, James F.: *See*—
Dyer, Richard F., and Caines. 3,259,954.
Pannill, James K., Jr., Dyer, and Caines. 3,253,969.

Caines, James F., to Eastman Kodak Co. Jet device for blowing yarn and process. 3,259,952, 7–12–66, Cl. 28—1.

Caines, James F., R. F. Dyer, and J. K. Pannill, Jr., to Eastman Kodak Co. Apparatus for blooming filter tow. 3,282,768, 11–1–66, Cl. 156—441.

Cairatti, Anthony E.: *See*—
Schafroth, Werner, and Cairatti. 3,279,673.

Cairelli, Carmen P., to M. H. Rhodes, Inc. Latching mechanism. 3,241,870, 3–22–66, Cl. 292—144.

Cairns, Edward L., and E. O. Kleinfelder, to E. I. du Pont de Nemours and Co. Process for the production and separation of titanium tetrachloride from crystalline ferrous chloride. 3,261,664, 7–19–66, Cl. 23—87.

Cairns, John H., to Yorkshire Imperial Metals Ltd. Copper rich alloys. 3,253,911, 5–31–66, Cl. 75—159.

Cairns, Wallace M. J., to Automotive Products Co. Ltd Fluid pressure operated cylinders. 3,266,383, 8–16–66, Cl. 92—142.

Cais, Michael: *See*—
Kozikowski, John, and Cais. 3,288,827.
Kozikowski, John, and Cais. 3,290,337.
Kozikowski, John, and Cais. 3,290,344.
Kozikowski, John, and Cais. 3,290,345.
Kozikowski, John, and Cais. 3,290,346.

Caison, Lloyd D.: *See*—
Opfell, James E., Miller, and Caison. 3,266,087.

Caiszar, Joseph J.: *See*—
Bellaire, Byron C., and Wozny. 3,255,473.

Cajon Co.: *See*—
Callahan, Francis J., Jr., and Wennerstrom. 3,288,494

Cake, Arthur F., to Burroughs Corp. Memory circuit for indicator devices employing four-electrode, four layer semiconductor switch. 3,290,551, 12–6–66, Cl. 315—84.6.

Cake, William R., to Alliance Color and Chemical Corp. Continuous fusion apparatus. 3,285,706, 11–15–66, Cl. 23—277.

Cakora, Henry J., to Tazewell Machine Works, Inc. Cart system for foundries or the like. 3,272,147, 9–13–66, Cl. 104—1.

Cal Crown Corp.: *See*—
Lobdell, Harry R., and Werner. 3,292,767.

Cala, Charles F., to Bausch & Lomb Inc. Process and apparatus for making homogeneous gas-free optical glass. 3,244,493, 4–5–66, Cl. 65—134.

Cala, Charles F. Apparatus for homogenizing glass. 3,268,213, 8–23–66, Cl. 259—7.

Calabrese, Rocco. Auxiliary glare shield for sun visors. 3,246,925, 4–19–66, Cl. 296—97.

Calabretta, Peter T., to United States of America, Atomic Energy Commission. Adapter valve. 3,261,483, 7–19–66, Cl. 214—18.

Calabria, Gerolamo, ½ to Montecatini Societa Generale per l'Industria Mineraria e Chimica and ½ to G. de Varda. Process and apparatus for improving the resistance of porous refractory materials to corrosive action. 3,251,754, 5–17–66, Cl. 204—67.

Calabro, Anthony D. Circuit board mounting device. 3,231,785, 1–25–66, Cl. 317—100.

Calabro, James F., and A. M. Marsh, to General Motors Corp. Magnetic counter circuit with constant output pulse width. 3,240,950, 3–15–66, Cl. 307—88.

Calaceto, Ralph R., to Airetron Engineering Corp. Cyclonic gas scrubber. 3,233,882, 2–8–66, Cl. 261—118.

Calair Diversified, Inc.: *See*—
Pratt, William W. 3,269,031.

Calavar Corp.: *See*—
Elliott, Darius W. 3,244,292.

Calcagno, Benedetto, to Societá Italiana Besine S.p.A. Method and catalyst for preparing alkylbenzenes. 3,284,524, 11–8–66, Cl. 260—671.

Calcai, Panait P., to Allis-Chalmers Mfg. Co. Adaptive control with pulse width modulation. 3,263,186, 7–26–66, Cl. 332—14.

Calco Mfg. Co.: *See*—
Forsmark, Harold R. 3,274,853.

Cal-Dak Co., The: *See*—
Bauder, William E. 3,247,811.
Luff, John E. 3,290,701.

Calder, Caesar A., to Time Savers, Inc. Collar protectors for shirts with lay-down and/or flat collars. 3,281,026, 10–25–66, Cl. 223—83.

Calder, William G., to Joints, Inc. Pipe stopper plug. 3,269,581, 8–30–66, Cl. 220—24.

Calderazzo, Fausto: *See*—
Natta, Giulio, Ercoli, and Calderazzo. 3,264,064.

Calderon, Albert, to Calderon Automation, Inc. Method of and apparatus for charging scrap. 3,253,723, 5–31–66, Cl. 214—18.

Calderon Automation, Inc.: *See*—
Calderon, Albert. 3,253,723.

Calderon, Richard D., to Motorola, Inc. Self-propelled top. 3,253,365, 5–31–66, Cl. 46—243.

Calderwood, Robert H., J. Chottiner, and H. R. Sheppard, Jr., to Westinghouse Electric Corp. Electric insulation for condenser bushings and the like. 3,271,509, 9–6–66, Cl. 174—121.

Caldironi, Franco: *See*—
Meazzi, Remo, Caldironi, and Olivieri. 3,291,888.

Caldo, Cornelio: *See*—
Bonvicini, Alberto, and Caldo. 3,277,045.

Caldo, Cornelio, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Polyolefins stabilized with a combination of a dialkyl thiodipropionate and a cyano-ethyl compound. 3,231,541, 1–25–66, Cl. 260—45.85.

Caldo, Cornelio, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Polypropylene stabilized with thioesters of long-chain alkyl compounds and process for preparing same. 3,236,805, 2–22–66, Cl. 260—45.85.

Caldo, Cornelio, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Polyolefins stabilized with mixtures of phenol sulfides and esters of thiodiethylene glycol. 3,280,058, 10–18–66, Cl. 260—23.

Caldo, Cornelio, and S. Algieri, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Polypropylene stabilized with disalicyl thiodiglycol. 3,244,669, 4–5–66, Cl. 260—45.85.

Caldwell, Arthur B.: *See*—
Carper, Darrell E., and Caldwell. 3,290,009.

Caldwell, Arthur M. Multi-stage compressor. 3,250,458, 5–10–66, Cl. 230—129.

Caldwell, Bruce J. Ink supply system. 3,277,495, 10–4–66, Cl. 346—140.

Caldwell Co., Inc., The: *See*—
Caldwell, Leslie M., and Remington. 3,273,931.

Caldwell, Derek S.: *See*—
Saunders, Frederick C., and Caldwell. 3,274,155.

Caldwell, Donald A., and J. J. Heigl, to Esso Research and Engineering Co. Automatic recorder control device. 3,242,497, 3–22–66, Cl. 346—29.

Caldwell, Ellsworth E., to Texaco Inc. Apparatus for indicating an electrically grounded condition. Re. 25,957, 2–22–66, Cl. 317—2.

Caldwell, Harry. Automatic telephone dialing alarm device with pen carrier. 3,267,221, 8–16–66, Cl. 179—90.

Caldwell, John, and R. H. Telfer, to The English Electric Co. Ltd. Turbine blade with tapered one-piece erosion shield. 3,275,295, 9–27–66, Cl. 253—77.

Caldwell, John H. Machine for size-grading fruit or the like. 3,244,277, 4–5–66, Cl. 209—106.

Caldwell, John H., and R. Gilkey, to Eastman Kodak Co. T-alkyl chromate or -cycloalkyl chromate treated polyolefin. 3,287,082, 11–22–66, Cl. 8—115.5.

Caldwell, John R.: *See*—
Dannelly, Clarence C. and Caldwell. 3,282,880.
Hill, Edward H., and Caldwell. 3,259,608.
Hill, Edward H., Caldwell, and Jackson. 3,277,053.
Hoyer, Ludolf J., Brown, and Caldwell. 3,286,709.
Jackson, Winston J., Jr., and Caldwell. 3,248,364.
Joyner, Frederick B., Caldwell, and Gilkey. 3,240,552.
Perry, Kenneth P., Jackson, and Caldwell. 3,274,156.

Caldwell, John R., to Eastman Kodak Co. Solubilization of salts of bisphenols in manufacture of polycarbonates. 3,247,164, 4–19–66, Cl. 260—47.

Caldwell, John R., to Eastman Kodak Co. Preparation of poly(ester-amides). 3,272,776, 9–13–66, Cl. 260—47.

Caldwell, John R., to Eastman Kodak Co. Blends of cellulose triacetate with methyl acrylate polymer. 3,277,032, 10–4–66, Cl. 260—17.

Caldwell, John R., to Eastman Kodak Co. Shaped objects of a crystalline polyester coated with a hydrophilic polymer of a crystalline polyester coated with a hydrophilic polymer composition. 3,284,232, 11–8–66, Cl. 117—138.8.

Caldwell, John R., and R. Gilkey, to Eastman Kodak Co. Process for treating textile fibers and other shaped products with coatings. 3,286,685, 2–22–66, Cl. 117—138.8.

Caldwell, John R., and W. J. Jackson, to Eastman Kodak Co. Polyurethanes from a diamine and a diol having a norbornane (norcamphane) nucleus. 3,236,816, 2–22–66, Cl. 260—77.5.

Caldwell, John R., and R. Gilkey, to Eastman Kodak Co. Thermoplastic polyesters of bisphenols and dicarboxylic acids having increased modulus of elasticity due to presence of stiffness improving additives. 3,240,735, 3–15–66, Cl. 260—26.

Caldwell, John R., and E. H. Hill, to Eastman Kodak Co. Acetonitrile soluble copolymers of acrylonitrile and allcyclic alcohol esters of acrylic and methacrylic acids. 3,240,767, 3–15–66, Cl. 260—85.5.

Caldwell, John R., W. J. Jackson, Jr., and C. C. Dannelly, to Eastman Kodak Co. 2-norbornylmethyl esters of acrylic and methacrylic acids and polymers thereof. 3,243,416, 3–29–66, Cl. 260—85.5.

Caldwell, John R., and C. C. Dannelly, to Eastman Kodak Co. Purification of insoluble dicarboxylic acids. 3,243,456, 3–29–66, Cl. 260—525.

Caldwell, John R., and E. H. Hill, to Eastman Kodak Co. Novel unsaturated esters and the homo- and copolymers thereof. 3,247,169, 4–19–66, Cl. 260—78.4.

Caldwell, John R., and W. J. Jackson, Jr., to Eastman Kodak Co. Linear condensation polymers containing urethane and carbonate units. 3,251,803, 5–17–66, Cl. 260—477.

Caldwell, John R., and W. J. Jackson, Jr., to Eastman Kodak Co. Additives for increasing modulus of elasticity of polycarbonate films. 3,254,047, 5–31–66, Cl. 260—33.2.

Caldwell, John R., and E. H. Hill, to Eastman Kodak Co. Cyclododecyl acrylate and methacrylate, and polymers thereof. 3,254,065, 5–31–6, Cl. 260—83.5.

Caldwell, John R., and W. J. Jackson, Jr., to Eastman Kodak Co. Polycarbonate coatings. 3,258,356, 6–28–66, Cl. 117—72.

Caldwell, John R., and G. P. Touey, to Eastman Kodak Co. Allyl and methallyl esters of sulfo-aliphatic acids, and interpolymers thereof with acrylonitrile. 3,260,707, 7–12–66, Cl. 260—79.3.

Caldwell, John R., and C. C. Dannelly, to Eastman Kodak Co. Breathable fabric with a layer of water-swellable elastomer. 3,265,529, 8–9–66, Cl. 117—135.5.

Caldwell, John R., and E. H. Hill, to Eastman Kodak Co. Polymeric pigment containing amide nitrogen, and having an acrylonitrile core. 3,265,767, 8–9–66, Cl. 260—883.

Caldwell, John R., and E. H. Hill, to Eastman Kodak Co. Acrylic compounds. 3,271,374, 9–6–66, Cl. 260—82.1.

Caldwell, John R., and W. J. Jackson, Jr., to Eastman Kodak Co. Cyclobutane derivatives. 3,272,870, 9–13–66, Cl. 260—611.

Caldwell, John R., and R. Gilkey, to Eastman Kodak Co. T-butyl chromate of cycloalkyl chromate modified polyolefin article. 3,287,082, 11–22–66, Cl. 8—115.5.

Caldwell, John R., and W. J. Jackson, Jr., to Eastman Kodak Co. Polycarbonate elastomers. 3,287,442, 11–22–66, Cl. 260—858.

Caldwell, John W., to The Bunker Hill Co. Cathodic protection anode structure. 3,232,857, 2–1–66, Cl. 204—197.

Caldwell, Joseph J., Jr., to TRW Inc. Temperature controlled filter gas cell in gas cell frequency standard. 3,243,721, 3–29–66, Cl. 331—3.

Caldwell, Leslie M., and J. W. Remington, to The Caldwell Co., Inc. Lifting grab. 3,273,931, 9–20–66, Cl. 294—81.

Caldwell, Lorne A. Locking closure device for vials and the like. 3,276,612, 10–4–66, Cl. 215—9.

Caldwell, Orval G., to United States of America, Navy. Ceramic adhesive composition. 3,274,010, 9–20–66, Cl. 106—71.

Caldwell, Orval G., and L. J. Le Clercq, to Douglas Aircraft Co. Inc. Hyper-environmental radome and the like. 3,292,544, 12–20–66, Cl. 102—92.5.

Caldwell, Patrick E. Welding helmet. 3,251,065, 5–17–66, Cl. 2—8.
Caldwell, Paul. Method of recovering phosphatic values from phosphate rock. 3,266,885, 8–16–66, Cl. 71—39.
Caldwell, Richard L., to Socony Mobil Oil Co., Inc. Method of compensating for the iron casing effect in radioactive well logging. 3,246,152, 4–12–66, Cl. 250—83.3.
Caldwell, Richard L., to Socony Mobil Oil Co., Inc. Geological prospecting comprising directional irradiation and detection. 3,263,082, 7–26–66, Cl. 250—83.3.
Caldwell, Richard L., and G. N. Salaita, to Socony Mobil Oil Co., Inc. Method of chlorine logging in a non-ferrous environment. 3,247,381, 4–19–66, Cl. 250—83.3.
Caldwell, Roland B., to Ranco Inc. Self aligning pivoted valve. 3,240,467, 3–15–66, Cl. 251—87.
Caldwell, Samuel C., and L. R. Peaslee, to General Electric Co. Circuitry for obviating the effects caused by subtransient impedances in SCR generating system. 3,289,070, 11–29–66, Cl. 321—69.
Caldwell, Thomas, to Smith Fullerton Ltd. Apparatus for separating liquids or solids from liquids. 3,272,343, 9–13–66, Cl. 210—521.
Caldwell, Walter A., and V. Davies, to Imperial Chemical Industries Ltd. Explosive-ammonium nitrate in phenolaldehyde resin. 3,278,350, 10–11–66, Cl. 149—7.
Caldwell, Washington J., to Eltra Corp. Method of taping non-circular coils. 3,232,544, 2–1–66, Cl. 242—6.
Caldwell, Washington J., to Eltra Corp. Insulated coil with integral pointed terminal. 3,287,681, 11–22–66, Cl. 336—192.
Caldwell, Washington J., and J. G. Holt, to C. M. Hall Lamp Co. Plastic retainer assembly machine and method. 3,293,738, 12–27–66, Cl. 29—451.
Caldwell, William F., E. Glaesser, and J. L. Stewart. Electronic analog ear. 3,294,909, 12–27–66, Cl. 179—1.
Caldwell, William N., J. W. Ericsson, R. E. Prescott, and W. E. Whidden, to Bell Telephone Laboratories, Inc. Telephone directory cover and holder. 3,275,279, 9–27–66, Cl. 248—447.
Caley, William S., and J. D. Harshman, by Bowmar Instrument Corp. Miniature gear mechanism. Re. 25,960, 2–22–66, Cl. 74—421.
Calfax, Inc.: *See*—
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Calfee, Clifford T. and V. T. Nose cone and tail structures for an air vehicle. 3,282,216, 11–1–66, Cl. 102—92.5.
Calfee, John D., to Monsanto Co. Complex aluminum compounds containing fluorine atoms as polymerization catalysts. 3,252,955, 5–24–66, Cl. 260—93.1.
Calfee, John D., to Monsanto Co. Polymerization catalysts and processes. 3,262,887, 7–26–66, Cl. 252—429.
Calfee, John D., and B. S. Wildi, to Monsanto Co. Organic semiconductor solid polymer of the formula (—CH=CF—)n. 3,252,954, 5–24–66, Cl. 260—92.1.
Calfee, Richard W., to International Business Machines Corp. Frequency shift signal demodulator. 3,233,181, 2–1–66, Cl. 329—128.
Calfee, Virgil T.: *See*—
Calfee, Clifford T. and V. T. 3,282,216.
Calfee, Virgil T., 1% to T. D. Copeland, Jr. Apparatus for shelling pecans. 3,276,495, 10–4–66, Cl. 146—8.
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Hatch, George B. 3,284,368.
Hronas, John J. 3,286,565.
Hronas, John J., and Rizzo. 3,262,876.
Hronas, John J., and Rizzo. 3,276,186.
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Ralston, Paul H. 3,288,217.
Regutti, Carl W. 3,264,172.
Calhoon, Charles D., Sr., and H. J. Cichanowicz, to United States of America, Navy. Digital technique for determining unambiguous information from ambiguous information. 3,277,473, 10–4–66, Cl. 343—13.
Calhoon, Thomas G., to United States of America, Navy. Electronic storage for atran. 3,290,674, 12–6–66, Cl. 343—5.
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Calhoun, Frederick L., to Geo. J. Meyer Mfg. Co. Inspection apparatus. 3,283,898, 11–8–66, Cl. 209—111.7.
Calhoun, Frederick L., to Geo. J. Meyer Mfg. Co. Bottle inspection system. 3,292,785, 12–20–66, Cl. 209—111.7.
Calhoun, Fredrick L., to Electro Dynamics Corp. Material handling system. 3,270,881, 9–6–66, Cl. 209—74.
Calhoun, George M., to Shell Oil Co. 2-thiaphosphono compounds. 3,235,628, 2–15–66, Cl. 260—948.
Calhoun, George M., to Shell Oil Co. Sulfoxide containing higher fatty acid. 3,278,566, 10–11–66, Cl. 260—400.
Calhoun, George M., and H. Diamond, to Shell Oil Co. Lubricating compositions containing bis(phosphonomethyl) disulfides. 3,238,131, 3–1–66, Cl. 252—32.7.
Calhoun Industries, Inc.: *See*—
Shilling, Harvey F. 3,228,643.
Calhoun, Robert R., Jr., and R. R. Bram. Sample collector. 3,229,525, 1–18–66, Cl. 73—421.
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Ballard, Lee N., and Calhoun. 3,236,682.
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Lowery, William E. 3,264,166.
California Computer Products, Inc.: *See*—
Morton, Robert C. 3,278,939.
Wiley, Franklyn L., Seid, and Jennings. 3,278,926.
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Derby, Marshall T. 3,229,743.
California Institute Research Foundation: *See*—
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Blayney, James L., and Gilman. 3,293,656.
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Hildebrandt, Alvin F., Elleman, Whitmore, and Simpkins. 3,244,943.
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California Packing Corp.: *See*—
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California Portland Cement Co.: *See*—
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Kelen, Steven, and Mand. 3,231,908.
Caliguri, Gerald J. Paint container and brush holder. 3,291,295, 12–13–66, Cl. 206—15.3.
Callouette, James M. Permanent ash receptacle. 3,273,569, 9–20–66, Cl. 131—241.
Calisch, Elliott W. Scarf having multiple purpose. 3,286,-276, 11–22–66, Cl. 2—91.
Calkin, Freeman B., to Clauss Cutlery Co. Soldering tool for electrical connections. 3,291,476, 12–13–66, Cl. 269—254.
Calkins, Chauncey L. Micrometer level. 3,269,023, 8–30–66, Cl. 33—209.
Calkins, Dolores: *See*—
Calkins, John L., and D. 3,276,206.
Calkins, Donald L., to The Johnson Corp. Method of drying a running web of sheet material. 3,242,583, 3–29–66, Cl. 34—18.
Calkins, Dwight L. and O. C., and L. K. Carrick, to Calkins Mfg. Co. Rod weeder. 3,288,480, 11–29–66, Cl. 280—43.23.
Calkins, John L., deceased, by D. Calkins, as executrix. Pressure intensifier mechanism. 3,276,206, 10–4–66, Cl. 60—54.5.
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Calkins, Dwight L. and O. C., and Carrick. 3,288,480.
Calkins, Oscar C.: *See*—
Calkins, Dwight L. and O. C., and Carrick. 3,288,480.
Call, Daniel D., to Bell & Howell Co. Machine for microfilming fan-folded documents. 3,255,662, 6–14–66, Cl. 88—24.
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Callahan, Charles H., to La Salle Steel Co. Method of protecting and stacking bars. 3,237,796, 3–1–66, Cl. 214—152.
Callahan, Francis G., to Textile Rubber and Chemical Co. Inc. Process for gelling frothed rubber latices on fabrics. 3,281,-258, 10–25–66, Cl. 117—10.
Callahan, Francis J., Jr., to Crawford Fitting Co. Method of assembly. 3,255,521, 6–14–66, Cl. 29—407.
Callahan, Francis J., Jr., and B. J. Gallagher, to Nuclear Products Co. Cross pattern metering valve. 3,240,230, 3–15–66, Cl. 137—608.
Callahan, Francis J., Jr., and B. J. Gallagher, to Nuclear Products Co. In-line removable filter assembly. 3,240,342, 3–15–66, Cl. 210—232.
Callahan, Francis J., Jr., and B. J. Gallagher, to Nuclear Products Co. In-line removable filter. 3,240,346, 3–15–66, Cl. 210—446.
Callahan, Francis J., Jr., and B. J. Gallagher, to Nuclear Products Co. Bellows valve. 3,278,156, 10–11–66, Cl. 251—335.2.
Callahan, Francis J., Jr., and B. J. Gallagher, to Nuclear Products Co. Double pattern metering valve. 3,280,836, 10–25–66, Cl. 137—614.21.
Callahan, Francis J., Jr., and E. G. Wennerstrom, to Cajon Co. Union coupling. 3,288,494, 11–29–66, Cl. 285—14.
Callahan, Gerard M., to F & C Enterprises, Inc. Burglar alarm system having a delayed alarm. 3,266,029, 8–9–66, Cl. 340—274.
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Callahan, James F., R. D. Smith, and R. H. Yen, to Radio Corp. of America. Electronic computer with interrupt facility. 3,290,658, 12–6–66, Cl. 340—172.5.
Callahan, James J.: *See*—
Robson, Norman S., and Callahan. 3,229,786.
Callahan, James L.: *See*—
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Callahan, James L., and E. C. Milberger, to The Standard Oil Co. Process for preparing olefinically unsaturated nitriles. 3,230,246, 1–18–66, Cl. 260—465.3.
Callahan, James L., B. Gertisser, and J. J. Szabo, to The Standard Oil Co. Promoted bismuth oxide-molybdenum oxide oxidation catalyst. 3,248,340, 4–26–66, Cl. 252—432.
Callahan, James L., B. Gertisser, and R. Grasselli, to The Standard Oil Co. Process for the dehydrogenation of olefins. 3,251,899, 5–17–66, Cl. 260—680.
Callahan, James L., B. Gertisser, and R. Grasselli, to The Standard Oil Co. Oxidative dehydrogenation of olefins with an antimony oxide-cerium oxide catalyst. 3,251,900, 5–17–66, Cl. 260—680.
Callahan, James L., B. Gertisser, and R. Grasselli, to The Standard Oil Co. Process for the oxidative dehydrogenation of olefins using an antimony oxide-maganese oxide catalyst. 3,257,474, 6–21–66, Cl. 260—680.
Callahan, James L., B. Gertisser, and R. Grasselli, to The Standard Oil Co. Oxidative dehydrogenation of olefins using an antimony oxide-iron oxide catalyst. 3,260,768, 7–12–66, Cl. 260—680.
Callahan, James L., and B. Gertisser, to The Standard Oil Co. Mixed antimony oxide-thorium oxide oxidation catalyst. 3,264,225, 8–2–66, Cl. 252—461.
Callahan, James L., J. J. Szabo, and B. Gertisser, to The Standard Oil Co. Process for the oxidation of olefin-ammonia mixtures to unsaturated nitriles. 3,280,166, 10–18–66, Cl. 260—465.3.
Callahan, James L., and B. Gertisser, to The Standard Oil Co. Process for the oxidation of olefin-ammonia mixtures to unsaturated nitriles. 3,282,982, 11–1–66, Cl. 260—465.3.
Callahan, Jefferson N., to Lockheed Aircraft Corp. Method for making film capacitors. 3,262,867, 7–26–66, Cl. 204—38.
Callahan, Joseph G., to Northrop Corp. Suspension for gyroscope gimbal. 3,246,527, 4–19–66, Cl. 74—5.
Callahan, Leon B. Pressurized dispenser vessel with heat exchange features. 3,253,748, 5–31–66, Cl. 222—146.
Callahan, Owen B., 50% to L. B. Siciliano. Corner trowel. 3,241,174, 3–22–66, Cl. 15—511.
Callahan, Raymond G., to Electron Dynamics, Inc. Stable high gain direct coupled amplifier employing starvation circuit techniques. 3,257,622, 6–21–66, Cl. 330—128.
Callahan, Theodore F. Strap for restraining hand and arm movement. 3,247,843, 4–26–66, Cl. 128—134.
Callahan, Thomas R., to Allis-Chalmers Mfg. Co. Centrifugal pump bearing bracket. 3,249,057, 5–3–66, Cl. 103—87.
Callan, John E., to Allen-Bradley Co. Time rate delay circuit having controlled charge and discharge. 3,235,751, 2–15–66, Cl. 307—88.5.
Callander, Alexander H., M. L. Lampson, and J. E. Nitsche, to Corning Glass Works. Method and apparatus for manufacturing glass beads. 3,293,014, 12–20–66, Cl. 65—21.
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Short, Joe T. 3,241,509.
Short, Joe T. 3,257,981.
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Calleja, Luis J.: *See*—
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Callendar, Howard A., to Walker Mfg. Co. Method and apparatus for binding pipe. 3,240,048, 3–15–66, Cl. 72—369.
Caller, James M., to United States of America, Atomic Energy Commission. Coaxial cable terminating means. 3,275,737, 9–27–66, Cl. 174—89.
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Corsette, Douglas F. 3,263,869.
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Calmon, Calvin, and W. Allen, Jr., to Pfaudler Permutit Inc. Process of making seawater desalting briquets. 3,284,366, 11–8–66, Cl. 252—179.
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Lindemann, Hans. 3,252,789.
Calthorpe, Maurice. Vehicle luggage rack with tent frame. 3,231,161, 1–25–66, Cl. 224—42.1.
Calthorpe, Maurice. Expansible room structures. 3,257,760, 6–28–66, Cl. 52—68.
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Habdas, Edward P. 3,240,042.
Habdas, Edward P. 3,240,177.
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Hipple, George L., Jr. 3,244,130.
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Martin, John R. 3,268,137.
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Calvert, Eric, to Joseph Lucas (Industries) Ltd. Air-operated presses. 3,273,491, 9–20–66, Cl. 100—53.
Calvert, John F. A.C.-D.C. dynamo electric machinery. 3,234,445, 2–8–66, Cl. 318—175.
Calvert, Raymond, and J. Mildwater, to Wayne Kerr Laboratories Ltd. Self-balancing impedance measuring bridge. 3,293,546, 12–20–66, Cl. 324—57.
Calvert, William C., to Borg-Warner Corp. Polymerization of acrylonitrile-styrene mixtures in the presence of polybutadiene. 3,238,275, 3–1–66, Cl. 260—880.
Calvert, William L., to Union Carbide Corp. Sanitary double wall bag. 3,279,966, 10–18–66, Cl. 156—152.
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Calvin, John H. Quick disconnect couplings. 3,285,283, 11–15–66, Cl. 137—614.03.
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Camac, George, to Speedwell Research Ltd. Pumps. 3,238,-881, 3–8–66, Cl. 103—103.
Camarata, Frank J., to Westinghouse Electric Corp. Press sealing apparatus. 3,290,134, 12–6–66, Cl. 65—140.
Camardella, Giuseppe. Continuous coil winding machine. 3,271,839, 9–13–66, Cl. 29—33.
Cambier van Nooten, Wilhem H. J., to Van Leer Industries Ltd. Tool and method for opening sealed containers. 3,289,289, 12–6–66, Cl. 29—427.

Cambre, Cushman M., and K. W. Herrmann, to The Procter & Gamble Co. Separation of sultaines by dilution. 3,227,749, 1-4-66, Cl. 260—501.
Cambre, Cushman M., and K. W. Theile, to The Procter & Gamble Co. Method for preparing of halide hydroxysulfonate. 3,239,560, 3-8-66, Cl. 260—513.
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Cambridge Filter Corp.: *See*—
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Bauder, Carl J., Hart, and Clemmshaw. 3,273,321.
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Tausch, Gilbert H. 3,283,819.
Tausch, Gilbert H. 3,283,820.
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Camenzind, Hans R., to P. R. Mallory & Co., Inc. SCR sine wave generator. 3,273,077, 9-13-66, Cl. 331—116.
Cameo Curtains, Inc.: *See*—
Levinson, Nathan. 3,265,864.
Camerino, Bruno: *See*—
Bernardi, Luigi, Bosisio, Camerino, and Goffredo. 3,228,941.
Camerino, Bruno, A. Glaesser, and B. Patelli, to Societa Farmaceutici Italia. 6-methyl- and 1,6-dimethyl ergoline 1 compounds. 3,228,942, 1-11-66, Cl. 260—285.5.
Camerino, Bruno, L. Bernardi, G. Bosisio, H. Griescott, W. Meiser, H. W. Schubert, and W. Wirth, to Societa Farmaceutici Italia. 6-methyl- and 1,6-dimethyl-8-(α-hydroxyalkyl)-ergoline 1 derivatives. 3,228,945, 1-11-66, Cl. 260—285.5.
Camerino, Bruno, B. Patelli, and A. Glaesser, to Societa Farmaceutici Italia. Derivatives of 6-methyl and 1,6-dimethyl-ergoline-1. 3,238,211, 3-1-66, Cl. 260—285.5.
Cameron, Frank L., to Westinghouse Electric Corp. Fuse structures formed of concentric fuse tubes to provide a maximum heat radiating surface and a novel venting means. 3,251,968, 5-17-66, Cl. 200—120.
Cameron, Hugh T., to Bathurst Power & Paper Co. Ltd. Carton with slidable, concealed handle. 3,258,152, 6-28-66, Cl. 220—105.
Cameron Iron Works, Inc.: *See*—
Allen, Herbert. 3,235,226.
Allen, Herbert. 3,241,808.
Allen, Herbert. 3,272,222.
Barber, Robert L. 3,239,246.
Gruller, David L. 3,275,032.
Jones, Marvin R. 3,239,248.
Jones, Marvin R., and Woelfel. 3,244,399.
Kowalski, Ludwig R. 3,275,025.
Lucky, Maurice C. 3,266,341.
Woelfel, Albert E. 3,227,171.
Cameron, John A., to General Foods Corp. Method of making scouring articles. 3,261,675, 7-19-66, Cl. 51—293.
Cameron, Joseph E.: *See*—
Nickerson, Franklin G., Jr., and Cameron. 3,271,219.
Cameron Machine Co.: *See*—
Rockstrom, Leonard, Aaron, Crowe, and Pundyk. 3,291,412.
Rockstrom, Leonard, and Bush. 3,258,136.
Cameron, Scott H., to IIT Research Institute. Magnetic analog to digital converter. 3,238,522, 3-1-66, Cl. 340—347.
Cameron, Scott H., E. F. Uretz, W. A. Davidson, H. T. Betz, and I. Friedland, to United States of America, Navy. Synthetic gunnery trainer system. 3,257,741, 6-28-66, Cl. 35—25.
Cameron, William M., and L. G. Powers, to Henry D. Whittlesey, d.b.a. Whittlesey, Bowers & Cameron, Hayward. Ski pole. 3,250,545, 5-10-66, Cl. 280—11.37.
Camielli, Teodoro, & Co.-S.p.A.: *See*—
Morosini, Tito. 3,279,846.
Camilleri, Charles F., to Knapp-Monarch Co. Travel iron and folding handle therefor. 3,229,392, 1-18-66, Cl. 38—90.
Camloc Fastener Corp.: *See*—
Dellith, Werner. 3,276,803.
Griffiths, Edward G. 3,259,411.
Newcomer, Jacob R., Jr., and Busovsky. 3,232,088.
Wheeler, Frank. 3,254,517.
Wheeler, Frank. 3,259,412.
Cammarata, Peter S., and S. Eich, to G. D. Searle & Co. Amylopectin sulfates. 3,271,388, 9-6-66, Cl. 260—233.5.
Camnitz, Harold G., to Bausch & Lomb Inc. Pulse producing capacitor circuits including one or more commutating switches. 3,234,408, 2-8-66, Cl. 307—108.
Camossi, Carlo, to Cable Isolation Systems, Inc. Vibration and shock absorber in coupling. 3,238,744, 3-8-66, Cl. 64—12.
Camossi, Carlo, to Cable Isolation Systems, Inc. Process and resilient assembly apt to absorb vibrations or shocks and/or to transmit torques. 3,239,207, 3-8-66, Cl. 267—1.
Camp, Dempsie C.: *See*—
Robinson, William W., Jr., and Camp. 3,234,912.
Camp, Eldridge K., to American Chemical & Refining Co. Method and bath for electroplating rhenium. 3,285,839, 11-15-66, Cl. 204—47.
Camp, Leon W., to Bendix Corp. Discontinuous hollow cylindrical transducer. 3,246,288, 4-12-66, Cl. 340—11.
Camp, Leon W., to The Bendix Corp. Discontinuous hollow cylindrical transducer. 3,262,094, 7-19-66, Cl. 340—11.
Camp, Leon W., to The Bendix Corp. Method of manufacturing annular laminated cores for transducers. 3,280,279, 12-6-66, Cl. 29—155.57.
Camp and McInnes, Inc.: *See*—
Snyder, Melvin E. 3,290,904.
Camp, Nat. Vapor-generating device. 3,267,678, 8-23-66, Cl. 60—108.
Camp, Philip L.: *See*—
Rodgselke, Sigurd O., and Camp. 3,240,001.
Camp, Richard: *See*—
Michael, Vaughn E. 3,284,300.
Camp, Richard H. Method for making multi-focal length contact lenses. 3,270,099, 8-30-66, Cl. 264—1.
Camp, Roger C., to Iowa State University Research Foundation, Inc. Magnetic recording device utilizing a variable reluctance head and a parametron. 3,233,230, 2-1-66, Cl. 340—174.1.
Camp, S. H., & Co.: *See*—
Connelly, Nicholas C. 3,260,259.
Connelly, Nicholas C. 3,282,264.
Campagna, Philip J., to Allied Chemical Corp. Water thinned enamels comprising an adduct of an industrial baking enamels comprising an adduct of an alkylene oxide and a polyhydroxy compound containing at least three hydroxyl groups. 3,280,057, 10-18-66, Cl. 260—21.
Campagna, Philip J., to Allied Chemical Corp. Process for producing oil-modified alkyd resins and such resins. 3,291,765, 12-13-66, Cl. 260—22.
Campagnolo, Joseph F.: *See*—
King, Charles C., Campagnolo, and Lehman. 3,291,849.
Campagnuolo, Carl J.: *See*—
Scudder, Kenneth R., Campagnuolo, and Katchen. 3,263,695.
Campaigne, Ernest E., W. L. Roelofs, and R. F. Weddleton; said Roelofs and Weddleton assors. to said Campaigne. Succinimido [3.5-b]-3α,4,5,6-tetrahydroacenaphthen-10-ones. 3,227,729, 1-4-66, Cl. 260—326.3.
Campana, Patsy C., and T. T. Chrysler, to Chrys-Camp Controller, Inc. Emergency traffic control system. 3,257,641, 6-21-66, Cl. 340—33.
Campanaro, Louis, N. J. Goldstone, and C. C. Shepherd, to North American Aviation, Inc. Rigidized evacuated structure. 3,258,883, 7-5-66, Cl. 52—2.
Campanella, Angelo J., to HRB-Singer, Inc. Automatic power regulator employing a transistor controlled electron tube. 3,241,041, 3-15-66, Cl. 323—22.
Campanella, Angelo J., to Industrial Nucleonics Corp. All weather angular tracking system. 3,291,989, 12-13-66, Cl. 250—83.3.
Campanella, Marietta. Storage and dispensing device. 3,245,580, 4-12-66, Cl. 221—34.
Campanelli, John P.: *See*—
Anderson, Russell H., and Campanelli. 3,235,164.
Campanile, Vincent A., and W. T. Tsatsos, to Shell Oil Co. High molecular weight copolymers of unsaturated aldehydes and unsaturated ketones and their preparation. 3,277,057, 10-4-66, Cl. 260—64.
Campbell, Alastair: *See*—
Baines, Albert, and Campbell. 3,227,723.
Campbell, Alfred: *See*—
L'Italien, Yvon J., and Campbell. 3,260,723.
Lewis, Gerald F. 3,257,755.
Campbell, Alfred, to Parke, Davis & Co. Phenoxypropylguanidine compounds. 3,246,031, 4-12-66, Cl. 260—501.
Campbell, Alvin E. Pet toilet. 3,227,138, 1-4-66, Cl. 119—1.
Campbell, Andrew H., to American Light Gage Drum Corp. Method of producing a rolling hoop formation in the shell of a sheet metal drum. 3,259,091, 7-5-66, Cl. 113—120.
Campbell, Andrew H., and J. T. Kane. Apparatus for assembling closures. 3,261,314, 7-19-66, Cl. 113—19.
Campbell, Arthur J., to Terlan Research Establishment. Perforated constructional elements. 3,232,012, 2-1-66, Cl. 52—634.

Campbell, Bert M., G. B. Miller, and E. W. Deeble, to Frank E. Dayton, d.b.a. Dayton Foundry. Method and apparatus for casting tubular members embodying flat plane surfaced flanges, and product. 3,283,375, 11-8-66, Cl. 22—131.
Campbell Chain Co.: *See*—
Feiser, Charles F., Jr. 3,281,134.
Campbell, Charles R., D. E. Danly, and M. J. Mathews III, to Monsanto Co. Process for purification of aqueous mixtures. 3,267,029, 8-16-66, Cl. 210—21.
Campbell, Charles R., and R. Johnson, to Monsanto Co. Product separation and recovery in adiponitrile manufacture. 3,267,131, 8-16-66, Cl. 260—465.8.
Campbell, Charles R., M. J. Mathews III, J. J. Hicks, Jr., and J. F. Giblin, to Monsanto Co. Catalytic acrylonitrile production. 3,280,168, 10-18-66, Cl. 260—465.9.
Campbell, Claude N., Jr. Bag making machine. 3,283,671, 11-8-66, Cl. 93—8.
Campbell, Clifford J. Can holder. 3,266,765, 8-16-66, Cl. 248—346.
Campbell, D. J., Co., Inc.: *See*—
Fink, Richard R. 3,279,957.
Fink, Richard R. 3,281,753.
Campbell, David B. Method of eliminating tobacco blue mold. 3,262,844, 7-26-66, Cl. 167—24.
Campbell, David D., and J. C. Louton, Jr., to General Motors Corp. Snap action, double throw switch. 3,286,050, 11-15-66, Cl. 200—47.
Campbell, David F.: *See*—
Loudon, Donald C., and Campbell. 3,240,198.
Campbell, Donald H., to Hooker Chemical Corp. Thiourea stabilized non-aqueous phosphatizing composition and method. 3,281,285, 10-25-66, Cl. 148—6.17.
Campbell, Donald J., to D. H. Baldwin Co. Semi-automatic rhythm accompaniment. 3,247,309, 4-19-66, Cl. 84—1.17.
Campbell, Donald J., to D. H. Baldwin Co. Sound simulation system. 3,254,336, 5-31-66, Cl. 340—384.
Campbell, Donald R., and C. J. Nelson, to Corning Glass Works. Valve. 3,251,575, 5-17-66, Cl. 251—214.
Campbell, Donald W. Combination trailer dock. 3,262,139, 7-26-66, Cl. 9—1.
Campbell, Douglas H.: *See*—
Roe, Thomas H., and Campbell. 3,245,150.
Campbell, Dudley H., to Stackpole Carbon Co. Electrical control panel mounting plate. 3,279,728, 10-18-66, Cl. 248—27.
Campbell, Dudley H., to Stackpole Carbon Co. Electric switch with terminal socket. 3,287,517, 11-22-66, Cl. 200—50.
Campbell, Dudley H., and J. F. Sullivan, to Stackpole Carbon Co. Electric line switch. 3,250,882, 5-10-66, Cl. 200—157.
Campbell, Erwin A.: *See*—
Jenkins, Cecil, Campbell, and Woolslayer. 3,280,519.
Campbell, Gardner L., J. A. Danvic, J. E. McEvoy, and M. Panich, to Bailey Meter Co. Motor operated control drive. 3,261,218, 7-19-66, Cl. 74—89.
Campbell, George L., to Garland Steel Co. Pipe coupling. 3,239,254, 3-8-66, Cl. 285—390.
Campbell, George L. Pool cleaning device. 3,258,801, 7-5-66, Cl. 15—1.7.
Campbell, George R., to Imperial Chemical Industries Ltd. Production of particulate ammonium nitrate-fuel oil explosive. 3,244,568, 4-5-66, Cl. 149—46.
Campbell, George T. R.: *See*—
Laskey, Norman V., and Campbell. 3,247,822.
Campbell, George T. R., and N. V. Laskey, to Algonquin Shipping and Trading Ltd. Structure arrangement of main deck on bulk cargo carrier vessels. 3,246,623, 4-19-66, Cl. 114—85.
Campbell, George T. R., and N. V. Laskey, to Algonquin Shipping and Trading Ltd. Service unit for combined dry bulk oil cargo vessels. 3,254,656, 6-7-66, Cl. 134—105.
Campbell, George T. R., and N. V. Laskey, to Algonquin Shipping and Trading Ltd. Combination dry bulk and bulk oil carriers. 3,255,724, 6-14-66, Cl. 114—73.
Campbell, George T. R., and N. V. Laskey, to Algonquin Shipping and Trading Ltd. Automatic self-tensioning winch. 3,261,591, 7-19-66, Cl. 254—172.
Campbell, H. Albert, Jr.: *See*—
Catto, Kenneth A., and Campbell. 3,230,312.
Campbell, H. Albert, Jr., and H. R. Burt, to K.W.F. Industries, Inc. Sectional tape spool construction. 3,275,256, 9-27-66, Cl. 242—71.8.
Campbell, Harry J., to United States of America, Navy. Run-out distance counter for catapult bridle arrester. 3,266,158, 8-16-66, Cl. 33—139.
Campbell, Henry F., and L. De Columna, to Unit Products Corp. Partition structure. 3,282,007, 11-1-66, Cl. 52—475.
Campbell, Henry H. Key holder. 3,263,464, 8-2-66, Cl. 70—456.
Campbell, Herbert J. Magnetic target game. 3,232,610, 2-1-66, Cl. 273—1.
Campbell, Ian, and J. A. Corran, to Imperial Chemical Industries Ltd. Manufacture of organic bases. 3,282,946, 11-1-66, Cl. 260—290.
Campbell, J. Allan, J. C. Babcock, and J. A. Hogg, to The Upjohn Co. 1-dehydro-6-fluoroprogesterones. 3,239,540, 3-8-66, Cl. 260—397.3.
Campbell, James D., III, H. L. Hamelster, and R. F. McConnell, to Remington Arms Co., Inc. Surface decorated wooden article and process of forming same. 3,231,456, 1-25-66, Cl. 161—124.
Campbell, James K., to Dow Corning Corp. Method of pigmenting glass cloth with silanes. 3,240,741, 3-15-66, Cl. 260—20.7.
Campbell, James K., to Dow Corning Corp. Glass cloth. 3,262,810, 7-26-66, Cl. 117—126.
Campbell, James K. Dispersions for treating fabrics. 3,284,391, 11-8-66, Cl. 260—29.2.
Campbell, James R.: *See*—
Brook, Arthur H., and Campbell. 3,248,694.
Campbell, John D.: *See*—
Condy, John H., Sparrow, and Campbell. 3,254,833.
Campbell, John F. Pump. 3,247,800, 4-26-66, Cl. 103—37.
Campbell, John G.: *See*—
Tilney, Richard, Campbell, and Liddle. 3,279,421.
Campbell, John G., to Morganite Carbon Ltd. Cylinder liners. 3,279,443, 10-18-66, Cl. 123—41.72.
Campbell, John O., and Y. J. Liu. Closed-circuit television network. 3,255,306, 6-7-66, Cl. 178—6.
Campbell, Keith W., R. T. Pennington, D. H. Imhoff, and J. M. Roberts, to United States of America, Atomic Energy Commission. Steam producing reactor and fuel therefor. 3,243,351, 3-29-66, Cl. 178—78.
Campbell, Kenneth E.: *See*—
Van Mater, Laurance F., and Campbell. 3,231,433.
Campbell, Larry D.: *See*—
Gill, Robert A., Campbell, and Sickler. 3,269,454.
Campbell, Larry J., to United States of America, Army. Magnetic tape handler with vacuum pressure pad. 3,285,488, 11-15-66, Cl. 226—196.
Campbell, Leonard R., and H. C. Waltke, to Radio Corp. of America. Apparatus for fabricating reed switches with means to automatically set the gap to a preselected value. 3,281,664, 10-25-66, Cl. 324—28.
Campbell, Leonard W. Boat bottom cleaning apparatus. 3,227,124, 1-4-66, Cl. 114—222.
Campbell, Mahlon E., and J. W. Van Wyk, to The Boeing Co. Self lubricating compositions. 3,239,288, 3-8-66, Cl. 308—199.
Campbell, Melvin L., to Collins Radio Co. Tape tensioning device. 3,285,529, 11-15-66, Cl. 242—75.2.
Campbell, Oliver F., and N. E. Pennels, to Sinclair Research, Inc. Fuel burning apparatus. 3,256,924, 6-21-66, Cl. 158—11.
Campbell, Orville E. Trash burner. 3,259,085, 7-5-66, Cl. 110—18.
Campbell, Ramsey G.: *See*—
Mohr, Albert C., Obrecht, Campbell, and Messenger. 3,257,167.
Campbell, Richard A., and C. R. Blood, to Baltimore Brushes, Inc. Reversible paint roller tray. 3,264,672, 8-9-66, Cl. 15—257.06.
Campbell, Richard D.: *See*—
Utt, Orval L., and Campbell. 3,227,871.
Campbell, Richard D., to Westinghouse Air Brake Co. Phase shift measuring apparatus. 3,239,757, 3-8-66, Cl. 324—83.
Campbell, Richard D., and J. A. Cook, Jr., to Westinghouse Air Brake Co. Control circuits. 3,260,843, 7-12-66, Cl. 246—182.
Campbell, Richard H., to Webster Electric Co. Intercommunication system and eavesdropping preventing means therefor. 3,283,073, 11-1-66, Cl. 179—1.
Campbell, Richard H., Jr., to Seeburg Corp. Rhythm tempo control system. 3,247,307, 4-19-66, Cl. 84—1.03.
Campbell, Richard H., Jr., to The Seeburg Corp. Keyboard oscillator circuit. 3,283,057, 11-1-66, Cl. 84—1.01.
Campbell, Richard L.: *See*—
Bowyer, Kern M., and Campbell. 3,295,081.
Campbell, Richard L., and D. A. Wolcott, to American Radiator & Standard Sanitary Corp. Temperature indicator. 3,230,718, 1-25-66, Cl. 73—378.3.
Campbell, Robert A. Adjustable-filter cigarette. 3,270,750, 9-6-66, Cl. 131—10.
Campbell, Robert A., J. D. Elliott, J. R. Fisher, and V. Opratko, to Rio Algom Mines Ltd. Sulphuric acid leaching of uranium bearing material. 3,273,972, 9-20-66, Cl. 23—322.
Campbell, Robert F.: *See*—
Lichti, Robert D. 3,278,052.
Campbell, Robert G. Display means. 3,275,818, 9-27-66, Cl. 240—10.
Campbell, Robert H.: *See*—
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Bozzelli, Andrew J., Belak, and Campbell. 3,252,786.
Campbell, Robert H., S. T. Webster, and J. J. D'Amico, to Monsanto Co. 3-(2-benzothiazolyl)-2-benzothiazolinone. 3,249,621, 5-3-66, Cl. 260—304.
Campbell, Robert H., and I. W. Mills, to Sun Oil Co. Process for making a slow release fertilizer comprising urea paraffin wax, and a polymeric urea-paraffin wax adduct inhibitor. 3,288,587, 11-29-66, Cl. 71—64.
Campbell, Robert H., and I. W. Mills, to Sun Oil Co. Process for slow release fertilizer comprising urea, paraffin wax, and urea-wax adduct inhibitor. 3,290,139, 12-6-66, Cl. 71—30.
Campbell, Robert L., and M. B. Kudsi, to United Aircraft Products Inc. Plate-type evaporative cooler and wick therefor. 3,275,074, 9-27-66, Cl. 165—166.

Campbell, Robert W.: *See*—
Brown, William E., and Campbell. 3,252,025.
Campbell, Robert W., to General Motors Corp. Brushless oil cooled motor. 3,239,701, 3–8–66, Cl. 310—112.
Campbell, Ronald G.: *See*—
Romney, Jack H., and Campbell. 3,267,640.
Campbell, Ronald H., to United Kingdom Atomic Energy Authority. Apparatus for determining neutron flux distribution in a nuclear reactor core. 3,234,385, 2–8–66, Cl. 250—83.1.
Campbell, Ronald H., to United Kingdom Atomic Energy Authority. Gas cooled nuclear reactor with improved shield and control rod arrangement. 3,239,422, 3–8–66, Cl. 176—33.
Campbell, Ronel R.: *See*—
Hearon, Guy H., and Campbell. 3,240,140.
Campbell, Rouel R., to Bank of America National Trust and Savings Association. Camera with selective actuating mechanism. 3,230,850, 1–25–66, Cl. 95—15.
Campbell Sand Co., Inc.: *See*—
Zevely, Thomas K. 3,260,329.
Campbell Soup Co.: *See*—
Gilde, Louis C. 3,275,147.
Kaplan, John J., and Kaplan. 3,261,054.
Ramsay, Joseph D. 3,289,832.
Richter, Ernst, and Clatfelter. 3,238,979.
Campbell Taggart Associated Bakeries, Inc.: *See*—
Fehr, Isaac N., and Russ. 3,272,636.
Goodman, William D., and Fehr. 3,249,133.
Campbell, Thomas B. Corrugating apparatus. 3,256,566, 6–21–66, Cl. 18—19.
Campbell, Thomas M., Jr., and W. Markert, Jr., to United States of America, Atomic Energy Commission. Nuclear reactor wet thermal insulation. 3,275,523, 9–27–66, Cl. 176—44.
Campbell, Tod W.: *See*—
Beaman, Ralph G., and Campbell. 3,240,764.
Campbell, Trevor G.: *See*—
Hunger, Richard H., Spennetta, Campbell, and Coker. 3,250,028.
Campbell, Von C.: *See*—
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Schilling, Edmund F., and Campbell. 3,289,028.
Campbell, Von C., to General Electric Co. Light valve apparatus. 3,253,086, 5–24–66, Cl. 178—7.87.
Campbell, Von C., C. S. Herrick, and H. A. Hornbeck, to General Electric Co. Output window arrangement for a light valve projector. 3,260,798, 7–12–66, Cl. 178—7.87.
Campbell, Von C., F. A. Romano, and E. F. Schilling, to General Electric Co. Method for fabricating an electron discharge device. 3,291,549, 12–13–66, Cl. 316—21.
Campbell, William E., Jr.: *See*—
Goodman, William P., Campbell, and Richardson. 3,281,086.
Campbell, William G.: *See*—
Hurst, George H., and Campbell. 3,292,450.
Campbell, William J. Latches for doors. 3,261,629, 7–19–66, Cl. 292—169.
Campbell, William W.: *See*—
Pack, Albert H., and Campbell. 3,250,522.
Pack, Albert H., Campbell, and Leatham. 3,280,228.
Campeau, Joseph O., to Litton Industries of California. Simple general purpose digital computer. 3,248,528, 4–26–66, Cl. 235—167.
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Ambrose, Rita. 3,229,741.
Campese, Joseph F., to W. F. Wessendorf, Jr. Automatic restaurant. 3,294,343, 12–27–66, Cl. 243—29.
Campi, Morris, to United States of America, Army. Stripline oscillator. 3,237,122, 2–22–66, Cl. 331—98.
Camplon, Rosana. Convertible tire. 3,260,294, 7–12–66, Cl. 152—176.
Campisi, Joseph E.: *See*—
MacFeiggan, David L., and Campisi. 3,268,050.
Campman, Arthur R.: *See*—
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Campman, James P., to United States of America, Navy. Ultra low frequency transistor relaxation sweep generator. 3,289,103, 11–29–66, Cl. 331—111.
Campo Construction Co.: *See*—
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Campo, Joseph, to Campo Construction Co. Concrete form ties. 3,284,043, 11–8–66, Cl. 249—41.
Campoli, James A., to General Lock, Inc. Spindle hardware assembly. 3,287,976, 3–1–66, Cl. 287—52.08.
Camras, Marvin, to IIT Research Institute. Transducing machine. 3,254,856, 6–7–66, Cl. 242—55.13.
Camras, Marvin, to IIT Research Institute. Transducer machine. 3,254,857, 6–7–66, Cl. 242—55.13.
Camras, Marvin, to IIT Research Institute. Method and apparatus for orienting magnetic particles of a recording medium and magnetic recording medium. 3,256,112, 6–14–66, Cl. 117—23.2.
Camras, Marvin, and S. A. Galus, to IIT Research Institute. Transducer machine. 3,254,858, 6–7–66, Cl. 242—55.13.
Camras, Marvin, and S. A. Galus, to IIT Research Institute. Reel lock. 3,278,132, 10–11–66, Cl. 242—68.3.
Camus, Pierre A.: *See*—
Basset, Jacques P. L., Bizollier, and Camus. 3,283,081.
Canada Bread Co., Ltd.: *See*—
Blackman, Peter N. 3,257,770.
Canada, Her Majesty, the Queen in right of, as represented by the Minister of Mines and Technical Surveys: *See*—
Maltby, Peter D. R. 3,273,707.
Morgan, William A., King, and McClure. 3,252,792.
Spence, Neville S., Badone, Morgan, and McDonald. 3,284,175.
Washkurak, Stephen, and Sawatsky. 3,274,488.
Canada, Her Majesty the Queen in right of, as represented by the Minister of National Defence: *See*—
Smart, Alexander C. 3,249,914.
Wilson, Hugh W., and Wright. 3,244,064.
Wright, Jerauld G. 3,245,147.
Canada Iron Foundries, Ltd.: *See*—
Clements, Loydell A. 3,284,561.
Hellstrom, Klas. 3,291,682.
Sephton, Peter T., and Riden. 3,266,615.
Canada Massey-Ferguson Ltd.: *See*—
Lucas, John W., Ashton, and Weber. 3,232,376.
Canada Packers Ltd.: *See*—
Bharcuha, Kekhusroo R., and Schrenk. 3,277,121.
Munns, William O., and Dutkewych. 3,281,332.
Ziegler, Peter, and Grivas. 3,275,665.
Canadair Ltd.: *See*—
Brunel, Joseph J. A. 3,284,703.
Jones, Derek. 3,269,476.
Thomas, Ian A. 3,244,249.
Canaday, James A., J. B. Gaston, and J. C. Hill, to North American Aviation, Inc. Trajectory measurement apparatus. 3,295,128, 12–27–66, Cl. 343—7.
Canadian Breweries Ltd.: *See*—
Nickerson, Prescott E. 3,281,014.
Rigby, Francis L., and Parker. 3,231,384.
Canadian Forest Products Ltd.: *See*—
Burgon, William J. 3,239,329.
Canadian General Electric Co., Ltd.: *See*—
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Eastcott, Peter deH. 3,267,228.
Eastcott, Peter deH., and Spibey. 3,266,376.
Knowles, Douglas W. 3,239,409.
Knowles, Douglas W. 3,239,410.
Reade, Richard B. 3,246,273.
Ulug, Mehmet E. 3,275,876.
Wright, William G. 3,266,279.
Canadian Industries Ltd.: *See*—
Atkins, David N., McCaffrey, and Taylor. 3,270,669.
Chu, Ning Jo. 3,275,627.
Falconer, Errol L., Graham, and Knott. 3,281,292.
Ingleson, Gordon A., and Somers. 3,241,290.
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Murdock, James D., Nelan, and Segall. 3,236,914.
Murdock, James D., Nelan, and Segall. 3,274,289.
Canadian Ingersoll-Rand Co. Ltd.: *See*—
Delcellier, Henri A. 3,286,747.
Dick, George M. 3,258,043.
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Ferrabee, Francis G. 3,228,440.
Trollope, William G. A. 3,242,719.
Trollope, William G. A. 3,291,451.
Young, Douglas L. G. 3,279,060.
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Kidd, John W. 3,294,279.
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Pherson, Perry O., Murphy, and Watkins. 3,285,599.
Watkins, Cecil H. 3,272,385.
Canadian National Railway Co.: *See*—
Cass, George R. 3,276,525.
Canadian Patents and Development Ltd.: *See*—
Asselbergs, Edward A. M., Hamilton, and Saidak. 3,260,607.
Beck, Alan E. 3,273,396.
Binkley, Edwin W., and Ringer. 3,240,256.
Copp, Douglas H., and Noble. 3,256,151.
Cunningham, Hugh M. 3,252,802.
Helava, Uuno V. 3,237,511.
Melville, Kenneth I., and Kovacs. 3,248,295.
Polley, John R. 3,259,546.
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Wadsworth, Jack, and Stokes. 3,245,748.
Canadian Refractories Ltd.: *See*—
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Canadian Seating Co. Ltd.: *See*—
Brunskole, Joseph H. 3,269,772.
Canadian Westinghouse Co., Ltd.: *See*—
Anderson, Robert G., and Donald. 3,283,089.
Carter, Arnold G., and Courcoulas. 3,248,621.
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Canale. Alfred J.: *See*—
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Canalizo, Carlos R. Gas lift system. 3,277,838, 10–11–66, Cl. 103—232.
Canalizo, Carlos R., and S. J. Graves, to Otis Engineering Corp. Gas powered timer. 3,233,472, 2–8–66, Cl. 74—30.
Canan, Walter T. Means for introducing flavor imparting agents into tobacco and tobacco articles. 3,266,499, 8–16–66, Cl. 131—133.

Canarios, Chrysosthenis M., to Tenneco Chemicals, Inc. Vinyl halide resin stabilizers comprising phosphites prepared from polyols, secondary phosphites and tertiary phosphites. 3,287,299, 11–22–66, Cl. 260—23.
Canatella, John H. Anchor assembly. 3,277,857, 10–11–66, Cl. 114—207.
Cancel, Pierre, to D.B.A., Societe Anonyme. Trailing shoe brake. 3,232,388, 2–1–66, Cl. 188—78.
Cancrinus, Hendrik, to Inpower Works (Proprietary) Ltd. Fluid torque transmitter. 3,251,248, 5–17–66, Cl. 74—752.
Cancrinus, Hendrik, to Inpower Works (Proprietory) Ltd. Inertia fluid torque transmitter. 3,261,233, 7–19–66, Cl. 74—774.
Cancrinus, Hendrik, and E. H. Friedmann, to Inpower Works (Proprietary) Ltd. Inertia fluid torque transmitter. 3,276,291, 10–4–66, Cl. 74—752.
Candelise, Alfred, H. W. Reese, and J. A. Whaley, to General Motors Corp. Igniter plug with spark-sensing probe. 3,235,763, 2–15–66, Cl. 313—134.
Candelise, Alfred, and J. A. Whaley, to General Motors Corp. Spark plug with visual indicating discharge bulb. 3,242,366. 3–22–66, Cl. 313—1.
Candilis, Emmanuel E., to Hewlett-Packard Co. Variable rise and fall time pulse generator. 3,258,611, 6–28–66, Cl. 307—88.5.
Candilis, Emmanuel E., to Hewlett-Packard Co. Pulse generator providing fast rise and full time pulses having an adjustable repetition rate over a broad frequency range. 3,264,494, 8–2–66, Cl. 307—88.5.
Candler, Paxton R., and D. Pickens, to Allied Chemical Corp. Production of cyanuric acid. 3,252,978, 5–24–66, Cl. 260—248.
Candlin, James E., Jr., and W. Van Der Sluys, to Pullman Inc. Fifth wheel plate for railroad car fifth wheel stands. 3,287,038, 11–22–66, Cl. 287—20.5.
Candlin, James E., Jr., deceased (by First National Bank of Lansing, Ill., administrator), and W. Van Der Sluys, to Pullman Inc. Fifth wheel stand for railroad cars. 3,289,987, 12–6–66, Cl. 248—119.
Candor, James T.: *See*—
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Candor, Robert R. Laundry machine. 3,231,909, 2–1–66, Cl. 8—159.
Candor, Robert R. and J. T. Laundry machine. 3,238,750, 3–8–66. Cl. 68—20.
Candy, Charles J. N., to Bell Telephone Laboratories, Inc. Monostable inverter employing a negative resistance diode. 3,234,403, 2–8–66, Cl. 307—88.5.
Candy, Charles J. N., to Bell Telephone Laboratories, Inc. Mitigation of stray impedance effects in high frequency gating. 3,254,232, 5–31–66, Cl. 307—88.5.
Candy, Charles J. N., and D. E. Rowlinson, to Bell Telephone Laboratories, Inc. Storage diode pulse signal generator. 3,292,006, 12–13–66, Cl. 307—88.5.
Cane, Philip, to The Marbelite Co., Inc. Controller for transferring of a program from transmitter to receiver. 3,241,116, 3–15–66, Cl. 340—147.
Canevari, Roger: *See*—
Regnier, Gilbert, Canevari, and Le Douarec. 3,280,127.
Canevari, Teresio, deceased, by A. Gianotti, sole heiress and legal representative, to Friden, Inc. Plural register printing calculator. 3,254,834, 6–7–66, Cl. 235—60.27.
Canevari, Teresio, deceased, by A. Gianotti, sole heiress and legal representative, to Friden, Inc. Calculating machine. 3,285,511, 11–15–66, Cl. 235—60.25.
Canfield, Albert A., to Oakland Community College. Study carrel. 3,276,599, 10–4–66, Cl. 108—60.
Canfield, Allen B., to Barteit Engineering Co., Inc. Bag clamp. 3,269,524, 8–30–66, Cl. 198—180.
Canfield, Carl R., Jr.: *See*—
Arledter, Hanns F., Canfield, and Gillespie. 3,270,846.
Canfield, Sheldon A.: *See*—
Roberson, Cletis L., Canfield, and Riley. 3,239,325.
Canfield, Sheldon A., to Owens-Corning Fiberglas Corp. Feeder for melting glass spheres for fiber drawing. 3,248,191. 4–26–66, Cl. 65—1.
Canfield, Sheldon A., to Owen-Corning Fiberglas Corp. Method and apparatus for producing bonded fibrous products. 3,271,485, 9–6–66, Cl. 264—26.
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Vecchio, Martino, Canmarata, and Lodi. 3,294,852.
Cann, Alfred J., to Sanders Associates, Inc. System for measuring a recurring time interval utilizing the vernier principle. 3,278,845, 10–11–66, Cl. 324—68.
Cann, Everett D. Process for the treatment of waste liquors with flocculating agent recovery. 3,268,443, 8–23–66, Cl. 210—47.
Cann, Gordon, L., to Electro-Optical Systems, Inc. Plasma accelerator using Hall currents. 3,243,954, 4–5–66, Cl. 60—35.5.
Cann, Leopold, to The Bunker-Ramo Corp. Magnetic plating monitoring device. 3,230,447, 1–18–66, Cl. 324—34.
Cannaday, Sheridan S., to Physical Sciences Corp. Wire coating apparatus. 3,257,245, 6–21–66, Cl. 148—6.3.
Cannalte, Gary A., to Motorola, Inc. Starting circuit for semiconductor oscillator. 3,289,098, 11–29–66, Cl. 331—62.
Cannalte, Gary A., and R. H. Chapman, to Motorola, Inc. Motor control circuit. 3,243,677, 3–29–66, Cl. 318—138.
Cannell, Lawrence G.: *See*—
Holm, Roy T., Cannell, and De Acetis. 3,277,198.
Cannell, Lawrence G., to Shell Oil Co. Bicyclooctene production. 3,250,818, 5–10–66, Cl. 260—666.
Cannell, Lawrence G., to Shell Oil Co. Production of polycyclic compounds. 3,258,501, 6–28–66, Cl. 260—666.
Cannell, Lawrence G., to Shell Oil Co. Polycyclic hydrocarbon production. 3,258,502, 6–28–66, Cl. 260—666.
Cannell, Lawrence G., to Shell Oil Co. Production of polycyclic compounds. 3,265,749, 8–9–66, Cl. 260—666.
Cannell, Lawrence G., to Shell Oil Co. Production of polycyclic compounds. 3,271,438, 9–6–66, Cl. 260—464.
Canning, W., & Co. Ltd.: *See*—
Leloup, Roberto. 3,284,323.
Cannizzaro, Joseph. Jet propelled boat. 3,253,568, 5–31–66, Cl. 115—11.
Cannizzaro, Joseph N. Coupling for steering cable. 3,287,778, 11–29–66, Cl. 24—123.
Canno, Leonard E., to Equitable Paper Bag Co., Inc. Method of making reinforced plastic bags. Re. 26,075, 9–6–66, Cl. 156—202.
Cannon, Albert L., to Triangle Inc. Fuel barge. 3,254,620, 6–7–66, Cl. 114—.5.
Cannon, Charles R., to United States of America, Interior. Cellulose acetate reverse osmosis desalination membranes cast from non-aqueous solutions and a method of making the same. 3,285,765, 11–15–66, Cl. 106—187.
Cannon, Corbitt T., to The Boeing Co. Airborne carrier system. 3,248,074, 4–26–66, Cl. 244—137.
Cannon, Dennis H., and P. Farr, to Dowty Mining Equipment Ltd. Roof supports. 3,250,507, 5–10–66, Cl. 248—357.
Cannon, Elizabeth L.: *See*—
Cannon, Michael R., and Manning. 3,277,694.
Cannon, Howard S., P. F. Catalano, and R. M. O'Neill, to Continental Can Co., Inc. Forge rolls for fusion welding of aluminum. 3,240,414, 3–15–66, Cl. 228—44.
Cannon Instrument Co.: *See*—
Cannon, Michael R., and Manning. 3,277,694.
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Cannon, John P., to Plattner Co., Inc. Sealed rotary switch having fixed supports. 3,244,820, 4–5–66, Cl. 200—11.
Cannon, Joseph A., and J. R. Darby, to Monsanto Co. Stabilization of phosphites and epoxy resins containing phospites by alkaline earth metal oxides. 3,240,751, 3–15–66, Cl. 260—45.75.
Cannon, Michael R., deceased (by E. L. Cannon, executrix), and R. E. Manning, to Cannon Instrument Co. Viscometer. 3,277,694, 10–11–66, Cl. 73—55.
Cannon Mills Co.: *See*—
Burgess, Douglas P. 3,240,235.
Farabee, George W. 3,260,147.
Cannon, Paul L., Jr., and D. N. Kramer, to United States of America, Army. Bioelectric method for the detection of anticholinester-gases. 3,275,534, 9–27–66, Cl. 204—1.
Cannon, William N., to Eli Lilly and Co. Halogen-substituted dibenziodolium salts. 3,264,355, 8–2–66, Cl. 260—606.5.
Canoga Electronics Corp.: *See*—
Davis, Jon P., and Walthers. 3,264,454.
Stegen, Robert J. 3,231,891.
Canon, Rush L. Sleeper unit for station wagons and the like. 3,259,422, 7–5–66, Cl. 296—23.
Canonica, Luigi, to Istituto Biochimico Italiano. β-Benzalbutyramide as to an anticholesterolemic agent. 3,231,469, 1–25–66, Cl. 167—65.
Canonica, Nicholas, Jr. Animated marine display. 3,239,956, 3–15–66, Cl. 40—106.45.
Canrad Precision Industries, Inc.: *See*—
Chilowsky, Constantin. 3,233,548.
Isenberg, Sampson. 3,256,949.
Cantalupo, Francis J., J. P. Doelger, and E. P. De Craene, to Crane Co. Valve operating mechanism. 3,234,818, 2–15–66, Cl. 74—625.
Cantarutti, Armindo: *See*—
Mallory, Edwin E., and Cantarutti. 3,230,132.
Cantarutti, Armindo, to NRM Corp. Tire fabric handling and storage apparatus. 3,278,360, 10–11–66, Cl. 156—406.
Cantarutti, Armindo, to NRM Corp. Tire fabric transfer mechanism. 3,293,101, 12–20–66, Cl. 156—361.
Cantatore, Giuseppe, and F. Bordini, to Montecatini Societa Generale per l'Industria Mineraria e Chimica, Stabilized polymeric composition and method of preparing same. 3,284,387, 11–8–66, Cl. 260—23.
Canter, Morris. Seal press. 3,260,966, 7–12–66, Cl. 81—15.
Canter, Vernon C.: *See*—
Anderson, Kenneth W., and Canter. 3,246,116.
Canter, Walter H., Jr., to Industrial Nucleonics Corp. Moisture computer and control system for processing materials having high, indeterminate moisture contents. 3,260,642, 7–12–66, Cl. 162—252.
Canterbury, Howard M., to W. F. Wilson. Combination filter and aerator. 3,273,717, 9–20–66, Cl. 210—169.
Canterino, Peter J., and L. V. Fouts, to Phillips Petroleum Co. Method of making microporous polyolefin articles and product therefrom. 3,228,896, 1–11–66, Cl. 260—2.5.
Cantineau, Louis, and G. Bernet, to Societe Civile de Recherches Scientifiques et Industrielles "Soders." Organic nucleotide derivatives, and method of manufacturing the same. 3,287,351, 11–22–66, Cl. 260—211.5.
Cantlin, John H.: *See*—
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Cantoni, Charles W.: *See*—
Clay, Haile S., Cantoni, and Ricketts. 3,281,543.
Cantoni, John D., and A. W. Gerrans, to Sunsweet Growers, Inc. Fruit handling machinery. 3,234,984, 2–15–66, Cl. 146—224.

Cantoni, John D., A. W. Gerrans, and R. W. Selleck, to Sunsweet Growers, Inc. Apparatus for pitting drupaceous fruit. 3,260,291, 7-12-66, Cl. 146—17.

Cantoni, John D., A. W. Gerrans, and R. W. Selleck, to Sunsweet Growers, Inc. Drupe pitting method and apparatus including segregating means for pitted and unpitted fruit. 3,282,314, 11-1-66, Cl. 146—238.

Cantonwine, Charles R. Transformer-like induction motor having various coupling ratios between windings. 3,237,072, 2-22-66, Cl. 318—220.

Cantor, Harry A., W. B. Horback, and J. A. Vona, to Celanese Corp. of America. Latices for adhesives of terpolymer of acetate-acrylate-carboxylic acid or derivative. 3,258,443, 6-28-66, Cl. 260—29.6.

Cantor, Herman. Power driven toothbrush. 3,242,516, 3-29-66, Cl. 15—28.

Cantor, Paul A.: *See*—
Dadura, James G., Odell, and Cantor. 3,272,745.
Kluge, Herman D., Krug, and Cantor. 3,247,115.

Cantrall, Edward W., R. B. Conrow, and S. Bernstein, to American Cyanamid Co. 1,11-iminoestratrienes. 3,251,833, 5-17-66, Cl. 260—239.5.

Cantrall, Edward W., R. B. Conrow, and S. Bernstein, to American Cyanamid Co. 1-substituted estratrienes. 3,251,865, 5-17-66, Cl. 260—397.4.

Cantrall, Edward W., R. Littell, and S. Bernstein, to American Cyanamid Co. Methods for lowering blood cholesterol and compositions of alkali metal 2-methoxyestra-1,3,5(10)-trien-3-ol-17-one sulfate. 3,274,056, 9-20-66, Cl. 167—65.

Cantrall, Edward W., and S. Bernstein, to American Cyanamid Co. Estra-1,3,5(10)-trienes having solubilizing groups. 3,275,624, 9-27-66, Cl. 260—239.55.

Cantrall, Edward W., R. B. Conrow, and S. Bernstein, to American Cyanamid Co. 1,11-iminoestratetraenes. 3,282,928, 11-1-66, Cl. 260—239.5.

Cantrel, Kenneth E.: *See*—
Reinert, Andrew J., Zuech, and Cantrel. 3,271,247.

Cantu, Antonio C. Ocean wave energy generator. 3,259,361, 7-5-66, Cl. 253—11.

Canty, John M., V. E. First, R. J. Frainier, and O. A. Hansen, to Union Carbide Corp. Cryogenic apparatus support structure. 3,245,571, 4-12-66, Cl. 220—15.

Canty, Roy A.: *See*—
Hyland, William J., Canty, and Doody. 3,277,349.

Canzoneri, Richard M., to Consolidated Electrodynamics Corp. Transducer. 3,241,375, 3-22-66, Cl. 73—517.

Caparone, Michael J., and H. A. Rich, to Robertshaw Controls Co. Control device having temperature responsive means for regulating the pressure regulator thereof. 3,235,179, 2-15-66, Cl. 236—33.

Caparone, Michael J., and M. M. Graham, to Robertshaw Controls Co. Forced air heating control systems. 3,260,459, 7-12-66, Cl. 236—80.

Caparrell, Frederick, W. A. Ayres, and M. H. Pardee, to The Foregger Co. Inc. Prepackaging of granular material and methods. 3,240,567, 3-15-66, Cl. 23—284.

Caparrella, Talleo T., and A. C. Amrhein. Ore concentration apparatus. 3,232,426, 2-1-66, Cl. 209—44.

Cape, Arthur T.: *See*—
Baldwin, James F., and Cape. 3,265,494.

Cape, Arthur T., to Coast Metals, Inc. Method of preparing sound metal coatings. 3,262,804, 7-26-66, Cl. 117—8.

Cape, Arthur T., to Powder Melting Corp. Means for preventing flashback in powder melting torches. 3,281,077, 10-25-66, Cl. 239—85.

Cape, Arthur T., to Powder Melting Corp. Means for preventing flashback in powder melting torches. 3,281,078, 10-25-66, Cl. 239—85.

Cape, Arthur T., to Coast Metals Inc. Iron-base alloys. 3,282,687, 11-1-66, Cl. 75—128.

Cape, Arthur T., to Coast Metals, Inc. Method of applying metal coating to valves. 3,285,769, 11-15-66, Cl. 117—22.

Cape, Arthur T., and J. E. Vestal, to Coast Metals, Inc. Method of gold-plating aluminum. 3,281,264, 10-25-66, Cl. 117—93.3.

Capecci, Joseph R.: *See*—
Levendusky, Joseph A., and Capecci. 3,238,126.

Capehart, Charles W., to Union Carbide Corp. Oscillator-detector for measuring impedance variations in LC-transformer coupled loads. 3,241,060, 3-15-66, Cl. 324—57.

Capek, Richard C.: *See*—
Bowden, George F., and Capek. 3,291,437.

Capell, Robert G., and W. T. Granquist; said Capell assor. to Gulf Research & Development Co., and said Granquist assor. to National Lead Co. Cracking catalyst and process of cracking. 3,252,889, 5-24-66, Cl. 208—120.

Capella, Amedeo I., to American Can Co. Method of and apparatus for producing convolutely wound container bodies. 3,280,707, 10-25-66, Cl. 93—81.

Capellaro, David F.: *See*—
Kapany, Narinder S., and Capellaro. 3,255,357.
Kapany, Narinder S., Capellaro, and Ostensen. 3,242,328.

Capelle, Arthur C. Bubble type game device. 3,228,689, 1-11-66, Cl. 273—85.

Capelli, Garnet L. Contour pillow. 3,276,046, 10-4-66. Cl. 5—338.

Caperton, Charles B. Drive for rodding machine. 3,254,851, 6-7-66, Cl. 242—54.

Capin, Stanley: *See*—
Miller, Carlos. 3,272,409.

Capita, Emil R. Apparatus for vapor plating. 3,233,578, 2-8-66, Cl. 118—49.1.

Capital Coal Co., Inc.: *See*—
Moser, Bernard A. 3,246,749.

Capital Parachuting Enterprises: *See*—
Hughes, Curtis W., and Brydon. 3,228,635.

Capitol Gears Inc.: *See*—
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Mooney, George M. 3,248,782.

Capitol Hardware Mfg. Co., Inc.: *See*—
Berman, Marvin A. 3,278,847.

Capkovic, Edward T., to Accurate Step & Repeat Systems, Inc. Sheet register devices. 3,253,339, 5-31-66, Cl. 33—184.5.

Caplan, Hyman L. Pallet. 3,227,107, 1-4-66, Cl. 108—51.

Caplan, Isadore, ½ to Markin Tubing Inc. Machine for making umbrella tubes. 3,266,120, 8-16-66, Cl. 29—25.

Caple, Ira: *See*—
Neuville, Stewart M., Caple, Ellis, and Cloots. 3,241,676.

Caple, Ira, and K. P. Schubart, to Kimberly-Clark Corp. Doctor blade holders for a papermaking machine. 3,245,378, 4-12-66, Cl. 118—126.

Capo, Julio B. Locking clothers hanger. 3,229,871, 1-18-66, Cl. 223—91.

Capoccia, Roger E. Prefabricated window finishing and framing member. 3,238,679, 3-8-66, Cl. 52—213.

Capone, Vincent P.: *See*—
Horn, Milton B., and Capone. 3,269,994.

Caporiccio, Gerardo: *See*—
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Cappa, Giulio, and L. Longaretti, to Pirelli S.p.A. Beads of pneumatic tires for vehicle wheels. 3,232,331, 2-1-66, Cl. 152—354.

Capparelli, Michael J., Jr., to General Electric Co. Folding tone arm for a phonograph. 3,236,526, 2-22-66, Cl. 274—23.

Cappel, Fred, to Dravo Corp. Method of and apparatus for regulating the speed of sintering strands. 3,265,377, 8-9-66, Cl. 263—28.

Cappel, Leona R. and N. O., to Becton, Dickinson and Co. Multiple unit tissue culture preparation and method of preparing same. 3,249,504, 5-3-66, Cl. 167—78.

Cappel, Norman O.: *See*—
Cappel, Leona R. and N. O. 3,249,504.

Cappel, Philip A.: *See*—
Crawford, Joseph H., and Cappel. 3,271,291.

Cappellari, Ello, to Enrico Boselli S.p.A. Remote control display system. 3,279,108, 10-18-66, Cl. 40—35.

Cappello, Triest J., to Hoban, Inc. Speed control circuit for D.C. motor. 3,230,437, 1-18-66, Cl. 318—338.

Capps, David B.: *See*—
Black, William B., and Capps. 3,243,476.
Black, William B., and Capps. 3,243,477.

Capps, James P. Game knife. 3,241,236, 3-22-66, Cl. 30—287.

Capps, Randolph P., to Multi-Zoner, Inc. Electrically actuated unidirectional rotary drive having adjustable stops for damper control and the like. 3,282,557, 11-1-66, Cl. 251—134.

Cappuccio, Vittorio E., to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Process and apparatus for manufacturing tubular films of synthetic thermoplastic materials. 3,275,723, 9-27-66, Cl. 264—70.

Cappuccio, Vittorio, and P. Maltese, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Process for improving synthetic fibers and the dyeable fibers obtained thereby. 3,230,029, 1-18-66, Cl. 8—55.

Cappuccio, Vittorio, A. Bonvicini, and C. Caldo, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Polyolefin stabilizers comprising esters of thiodiethyleneglycol and hydroxyphenyl benzotriazole. 3,271,339, 9-6-66, Cl. 260—23.

Capra, Lawrence A., to M. J. Electric, Inc. Device for signaling the height of a pile of iron ore and the like. 3,286,053, 11-15-66, Cl. 200—61.21.

Capriati, Enrico G., and D. T. Oakes, to Monsanto Co. Method for preventing the formation of insoluble iron compounds. 3,271,306, 9-6-66, Cl. 252—8.55.

Caprio, Anthony G.: *See*—
Deighton, William W., and Caprio. 3,227,342.
Deighton, William W., and Caprio. 3,254,854.

Caprio, Gerald L., to Amphenol Corp. Keyed alarm. 3,256,515, 6-14-66, Cl. 340—171.

Caprio, Mario J., and R. F. Krisleit, to Aluminum Co. of America. Fibrous refractory. 3,269,849, 8-30-66, Cl. 106—64.

Caprio, Mario J., and R. F. Krisleit, to Aluminum Co. of America. Refractory composition. 3,294,562, 12-27-66, Cl. 106—64.

Capshaw, Louis E.: *See*—
Horton, Truman P., and Capshaw. 3,288,288.

Capstick, Alice W. Bow making. 3,229,870, 1-18-66, Cl 223—46.

Capsuto, Leon M. Maintaining catalyst surface area in desiccated reforming. 3,234,120, 2-8-66, Cl. 208—138.

Capucio, Eugene. Dispensing container having a closure flap. 3,261,501, 7-19-66, Cl. 221—305.

Capucio, Eugene. Method of capping. 3,281,295, 10-25-66 Cl. 156—69.

Caputi, William J., Jr., to Cutler-Hammer, Inc. Sweep heterodyne apparatus for changing the time-bandwidth product of a signal. 3,283,080, 11-1-66, Cl. 179—15.55.

Caputo, Dante A. Longitudinally reciprocatable, slidable action, multi-contact relay. 3,246,101, 4-12-66, Cl. 200—104.

Caputo, Ezio, and E. Zannini, to Ankerfarm S.p.A. Recovery of tetracycline antibiotics from fermentation broths. 3,272,862, 9-13-66, Cl. 260—559.

Carabateas, Philip M., to Sterling Drug Inc. 4-acyloxy-4-aryl-1-(arylaminoalkyl) piperidines and their preparation. 3,275,641, 9-27-66, Cl. 260—294.

Carabateas, Philip M., to Sterling Drug Inc. 1-(N-aryl-N-alkanoylaminoalkyl)-4-aryl-4-piperidinols and their esters. 3,290,317, 12-6-66, Cl. 260—293.4.

Carabateas, Philip M., to Sterling Drug Inc. 1-(3-hydroxy-3-phenylpropyl)-4-phenyl-4-propionoxy-piperidine. 3,294,804, 12-27-66, Cl. 260—294.8.

Caracciolo, Edward A., to General Micro-Electronics Inc. Packaged electronic device. 3,262,022, 7-19-66, Cl. 317—101.

Caracciolo, Edward A., to Signetics Corp. Electronic package assembly. 3,271,625, 9-6-66, Cl. 317—101.

Caracristi, Virginius Z.: *See*—
Long, James R. M., Jonakin, Caracristi, and Bogot. 3,241,505.
Schuss, Jack A., and Caracristi. 3,232,332.

Caracristi, Virginius Z., to Combustion Engineering, Inc. Feeding mechanically dried coal slurry from a centrifuge bowl. 3,233,566, 2-8-66, Cl. 110—106.

Caracristi, Virginius Z., to Combustion Engineering, Inc. Apparatus and method of operating a forced flow once-through vapor generating power plant. 3,243,961, 4-5-66, Cl. 60—105.

Caracristi, Virginius Z., and E. P. Petit, to Combustion Engineering, Inc. Vapor generator furnace wall deslagger. 3,269,366, 8-30-66, Cl. 122—392.

Caradco Inc.: *See*—
Glab, William T. 3,241,991.
Glab, William T. 3,252,815.

Caramanian, John A. Package. 3,243,038, 3-29-66, Cl. 206—47.

Carangelo, Pasquale S.; ½ each to, A. Celentano, and A. P. Delio. Containers and closures therefor. 3,275,214, 9-27-66, Cl. 229—17.

Caratan, Luis M. and M. M. Car load. 3,291,075, 12-13-66, Cl. 105—369.

Caratan, Milan M.: *See*—
Caratan, Luis M. and M. M. 3,291,075.

Caravella, Frank S. Roll support mountings. 3,272,448, 9-13-66, Cl. 242—55.2.

Carbaugh, Don L., and O. H. Heckathorne. Temperature sensing, indicating and recording means. 3,290,942, 12-13-66, Cl. 73—358.

Carbon, John A.: *See*—
Horron, Bruce W., and Carbon. 3,293,253.

Carbonaro, Alfredo L., to Philipsburg Knitting Mills, Inc. Method and apparatus for stitch pleating piece goods. 3,230,744, 1-25-66, Cl. 66—85.

Carbone, Anthony J., E. E. Guilford, and M. J. Kreh, to The Dow Chemical Co. Snap-on foamed resin insulation. 3,279,503, 10-18-66, Cl. 138—128.

Carbonell, Emile, to L'Air Liquide Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Process for the manufacture of oxygen-enriched air. 3,257,814, 6-28-66, Cl. 62—29.

Carbonell, Jose, H. Ruckstuhl, and W. Wehrli, to Sandoz Ltd. Process for the dyeing of cellulose esters. 3,241,907, 3-22-66, Cl. 8—86.

Carbonell, Robert J.: *See*—
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Carboni, Dominick J.: *See*—
Adams, Mozel A., and Carboni. 3,234,890.

Carboni, Rudolph A., to E. I. du Pont de Nemours and Co. Certain 2,3-benzo-1,3a,4,6a-tetraazapentalene compounds. 3,262,942. 7-26-66, Cl. 260—308.

Carboni, Rudolph A., to E. I. du Pont de Nemours and Co. Acyl amides of 2-(O-aminoaryl)-2,1,3-benzotriazoles. 3,267,113, 8-16-66, Cl. 260—396.

Carborundum Co., The: *See*—
Bishop, George W. 3,239,970.
Caul, Lawrence D., and O'Neil. 3,254,357.
Crawley, William P. 3,292,991.
Hagerman, Thomas A. 3,278,967.
Holland, Clayton J., and Buell. 3,232,729.
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Jeffers, Henry J. 3,290,835.
Kuhn, William E. 3,232,706.
McCord, Andrew T. 3,231,592.
Murata, Yorihiro, and Labosky. 3,240,614.
Price, Clair E., and Walworth. 3,231,401.
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Carbrey, Robert L., to Bell Telephone Laboratories, Inc. Digital signal generator. 3,283,131, 11-1-66, Cl. 235—164.

Card, David C., Jr.: *See*—
Kottenstette, James P., Card, Jones, and Perry. 3,279,602.

Card, Jack A., to United Shoe Machinery Corp. Cement activating machines. 3,254,198, 5-31-66, Cl. 219—215.

Card, Jack A., to United Shoe Machinery Corp. Cement activating machines. 3,256,421, 6-14-66, Cl. 219—215.

Card, Londa Y. Infant-holding attachment for automobile seats. 3,275,373, 9-27-66, Cl. 297—389.

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Palfey, Albert J., and Card. 3,280,522.

Card, Roy T. Knife block for a tufting machine. 3,277,852, 10-11-66, Cl. 112—79.

Cardel Electric Co., Inc.: *See*—
Lamb, John K., and Daley. 3,254,426.

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Carder, Mervin L., and H. L. Sutcliffe, to Husky Corp. Dispensing nozzle hold-open catch. 3,273,609, 9-20-66, Cl. 141—206.

Carder, Victor H.: *See*—
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Carder, Victor H., and S. Aisawa, to United States of America, Navy. Buckling snubber. 3,262,598, 7-26-66, Cl. 217—53.

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Cardinal of Adrian, Inc.: *See*—
MacDonald, Robert D. 3,229,058.

Cardinal, Earl V., to Abbott Laboratories. Treating infections in poultry caused by pleuro pneumonia-like organisms with erythromycin phosphate. 3,276,956, 10-4-66, Cl. 167—53.1.

Cardinal, Louis C., and S. D. Hart, to United States of America, Navy. Omni-directional ultrasonic search unit. 3,280,621, 10-25-66, Cl. 73—67.8.

Cardinal Surveys Co.: *See*—
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Cardinet, Guy, and E. L. J. Faudemay, to Gillette France S.A. Rotary cutter. 3,248,987, 5-3-66, Cl. 83—664.

Carding Specialists (Canada) Ltd.: *See*—
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Littmann, David. 3,287,814.
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Parks, Samuel T., and Levasseur. 3,261,250.

Cardon, Neva L.: *See*—
Shaw, Wilfrid G., and Cardon. 3,236,911.

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Cardwell Westinghouse Co.: *See*—
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Cardy, Ernest W. Foldable table and bench assembly. 3,276,815, 10-4-66, Cl. 297—159.

Carel, Alfred B., and G. A. Brown, to Continental Oil Co. Vapor phase chromatography system. 3,267,647, 8-23-66, Cl. 55—197.

Carella, Richard F., to General Motors Corp. Reproducing apparatus. 3,290,783, 12-13-66, Cl. 33—23.

Caretta, Robert. Boat fender. 3,286,680, 11-22-66, Cl. 114—219.

Carey, James E., and P. D. Jones, to Shell Oil Co. Resin foams. 3,282,863, 11-1-66, Cl. 260—2.5.

Carey, Malcolm L., to Aluminium Laboratories Ltd. Construction of continuous electrode for a reduction cell. 3,251,763, 5-17-66, Cl. 204—286.

Carey, Norman W., and W. K. Griffin, Jr., to Container Corp. of America. Accumulator conveyor. 3,280,958, 10-25-66, Cl. 198—20.

Carey, Robert J., to Union Carbide Corp. Synthetic resin latex coagulation by contacting with steam. 3,256,251, 6-14-66, Cl. 260—79.3.

Carey, Russell N., deceased (by E. M. Carey, executrix), to Ellason Refrigerator Co. Offset hinge assembly for a swingable door. 3,289,244, 12-6-66, Cl. 16—154.

Cargate Westminister Industries Ltd.: *See*—
Dunbar, James R. 3,250,305.

Cargill, Inc.: *See*—
Jameston, Richard A., and Eversole. 3,257,331.
Kaufmann, Henry H., and Fiscus. 3,273,401.
Kaufmann, Henry H., and Lawrence. 3,233,463.

Cargill, Norman A.: *See*—
Reader, Trevor D., Cargill, and Koehler. 3,246,819.

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Cariffe, Louis J., Jr. Articles of wearing apparel for training. 3,258,858, 7-5-66, Cl. 36—1.

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Carithers, Val G.: *See*—
Armbruat, Bernard F., Jr., Carithers, Hrishikesan, and Drown. 3,268,295.

Carithers, Val G., F. E. Adkins, Jr., A. Lippman, Jr., D. V. Royce, Jr., and K. Hrishikesan, to Reynolds Metals Co. Process for producing substantially kappa-phase alumina. 3,227,521, 1-4-66, Cl. 23—142.

Carkhuff, Donald W., T. J. Wojciak, H. C. McGinty, and R. C. Deitrich, to Union Carbide Corp. Metal arc welding torch. 3,261,962, 7-19-66, Cl. 219—130.

Carlan, Alan J., K. H. Wallhausen, R. H. Salinas, W. E. Payne, and B. P. Bazin, Jr., to Power Components Inc. Semiconductor power device. 3,265,805, 8–9–66, Cl. 174—52.

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Bauer, Myron J., Carlberg, Hagbo, Hereth, Kirschner, Linkletter, and Sherman. 3,262,366.
Kane, Garold A., Blomquist, Randolph, Scheurich, Wermager, Allen, Carlberg, Schievi, Dohm, and Neuman. 3,276,318.
Kossan, Robert L., Carlberg, Weber, Allen, Wermager, Scheurich, and Matson. 3,228,192.
Kossan, Robert L., Carlberg, Weber, Allen, Wermager, Scheurich, and Matson. 3,228,297.
Kossan, Robert L., Carlberg, Weber, Allen, Wermager, Scheurich, and Matson. 3,245,319.

Carle, Joseph T., to Borg-Warner Corp. Submersible motor with plural cooling paths. 3,242,360, 3–22–66, Cl. 310—87.

Carle, Joseph T., to Borg-Warner Corp. Thrust bearing. 3,246,936, 4–19–66, Cl. 308—160.

Carle, Joseph T., to Borg-Warner Corp. Gas separator for submersible pump. 3,291,057, 12–13–66, Cl. 103—113.

Carle, Robert A., and J. D. Williams, to Phillips Petroleum Co. Apparatus and process for handling stacked and nested members. 3,289,861, 12–6–66, Cl. 214—8.5.

Carlee, Robert L., to Interchemical Corp. Acrylic latex coating composition and book cover material made therefrom. 3,249,463, 5–3–66, Cl. 117—76.

Carleton, Edward J., to Converters, Inc. Method and product for printing in duplicate. 3,253,545, 5–31–66, Cl. 101—426.

Carleton, John V., to Union Tank Car Co. External heating arrangement for a storage tank. 3,228,466, 1–11–66, Cl. 165—169.

Carleton, Paul D. Heat pump system. 3,236,293, 2–22–66, Cl. 165—29.

Carleton, Richard L., to Butler Mfg. Co. Sign molding. 3,263,357, 8–2–66, Cl. 40—125.

Carli, Adriano, and W. P. Kollakowski, ⅓ to Dalmine S.p.A. Method and apparatus for the introduction of carburetion materials into melted ferrous metal baths. 3,255,898, 6–14–66, Cl. 214—21.

Carlick, Daniel J., and M. Becher, to Interchemical Corp. Maleated polymers from styrene and hydroxyl-containing norbornene derivatives. 3,233,009, 2–1–66, Cl. 260—875.

Carlick, Daniel J., and M. Becher, to Interchemical Corp. 2-hydroxymethyl-5-norbornene polymers and esters thereof. 3,245,928, 4–12–66, Cl. 260—23.

Carlick, Daniel J., and J. W. Skrabak, to Interchemical Corp. Lithographic inks comprising a solvent comprising tridecyl alcohol. 3,257,344, 6–21–66, Cl. 260—21.

Carlin, Benson, to Air-Shields, Inc. Ultrasonic pulse-echo apparatus for internal exploration. 3,256,733, 6–21–66, Cl. 73—67.8.

Carlin, Benson, to Air-Shields, Inc. Time to voltage converter for pulse-echo ultrasonic system. 3,280,622, 10–25–66, Cl. 73—67.9.

Carlin, Robert, to Allis-Chalmers Mfg. Co. Draft sensing device for tractor hydraulic system. 3,246,702, 4–19–66, Cl. 172—10.

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Carling Electric, Inc.: *See*—
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Sorenson, Wesley T. 3,261,930.

Carlino, Salvatore: *See*—
Zwolinski, Edward, and Carlino. 3,248,814.

Carlisle, Benjamin H., to The Clark Controller Co. Fluid control valve. 3,232,316, 2–1–66, Cl. 137—596.15.

Carlisle Chemical Works, Inc.: *See*—
Ackerman, Bernard. 3,262,896.
Burger, Charles A. 3,259,597.
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Hechenbleikner, Ingenuin, and Molt. 3,257,480.
Homberg, Otto A. 3,251,792.
Parker, Emery. 3,245,926.

Carlisle, Denis R., R. Gani, and A. E. Weldon, to Rolls-Royce Ltd. Fuel injector for a gas turbine engine. 3,285,007, 11–15–66, Cl. 60—39.74.

Carlisle, Ernest J. Portable record player. 3,265,394, 8–9–66, Cl. 274—15.

Carlisle, Henry W. Storage battery. 3,227,583, 1–4–66, Cl. 136—6.

Carlisle, Howard W., to The Cincinnati Milling Machine Co. Method and apparatus for forming presses. 3,264,854, 8–9–66, Cl. 72—63.

Carlisle, Robert A., and C. Pecker, to Congoleum-Nairn Inc. Process for producing decorative plastic surface coverings. 3,239,364, 3–8–66, Cl. 117—9.

Carlisle, Sanford K., Jr., R. L. Sims, and G. H. Hall, to Diamond Crystal Salt Co. Register control device for packaging apparatus. 3,276,183, 10–4–66, Cl. 53—51.

Carlisle, Thomas E., and E. J. Flannery, to Vapor Corp. Apparatus for and method of zero switching. 3,283,179, 11–1–66, Cl. 307—133.

Carlon, Hugh R., to United States of America, Army. Low-frequency switching with thermostatic delay relays. 3,259,809, 7–5–66, Cl. 317—132.

Carlon, Hugh R., and H. Tannenbaum, to United States of America, Army. Filter wheel for portable infrared detector. 3,228,292, 1–11–66, Cl. 88—111.

Carlon, Kenneth G.: *See*—
Reaves, Woodrow W., and Carlon. 3,229,633.

Carlos, Donald D.: *See*—
Burk, Emmett H., Jr., and Carlos. 3,268,542.

Carlos, J. Paul, and C. W. Gamble. Fabric steamer. 3,272,964, 9–13–66, Cl. 219—271.

Carlos, Joseph P., to Sol-Rac, Inc. Garment storage and display rack. 3,246,768, 4–19–66, Cl. 211—178.

Carlozzi, Michael, and D. G. Iezonni, to Chas. Pfizer & Co., Inc. Facilitating healing of body surface wounds by intravenous administration of N-acetyl glucosamine, glucosamine, or pharmaceutically acceptable acid salts of glucosamine. 3,232,836, 2–1–66, Cl. 167—65.

Carls, William. Solenoid valve construction. 3,270,776, 9–6–66, Cl. 137—625.64.

Carlsen, Kurt M., to Jones & Laughlin Steel Corp. High strength stainless steels. 3,259,528, 7–5–66, Cl. 148—37.

Carlsen, William R., to Michigan Tool Co. Cutting tool. 3,243,863, 4–5–66, Cl. 29—96.

Carlson, Adolph C.: *See*—
Rutt, Richard D., and Carlson. 3,271,909.

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Torrey, Frank R., and Carlson. 3,237,599.

Carlson, Alan R., to Hewlett-Packard Co. Oscilloscope sweep circuits. 3,244,989, 4–5–66, Cl. 328—185.

Carlson, Arthur W., to Velsicol Chemical Corp. Endrin stabilized with tribenzylamine. 3,269,897, 8–30–66, Cl. 167—33.

Carlson, Arthur W., to Velsicol Chemical Corp. Dechlorination of the gamma isomer of 4,5,6,7,8,8-hexachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene. 3,278,613, 10–11–66, Cl. 260—648.

Carlson, Carl O.: *See*—
Abbott, Tirey C., Jr., Carlson, Ives, and Rondas. 3,260,153.

Carlson, Carl O., to The National Cash Register Co. Information encoding and decoding method. 3,279,095, 10–18–66, Cl. 35—2.

Carlson, Charles J., Jr., and D. J. Farmer, to Central Transformer Corp. Transformers equipped with circuit interrupter. 3,275,890, 9–27–66, Cl. 317—15.

Carlson, Charles L.: *See*—
Fox, Donald K., and Carlson. 3,247,947.

Carlson, Chesley F., Co.: *See*—
Wicker, Ralph C. 3,256,770.

Carlson, Chester F., to Xerox Corp. Electrostatic recording method and apparatus using shaped electrodes. 3,257,222, 6–21–66, Cl. 117—17.5.

Carlson, Clarence W. Mechanical movement for translating rectilinear movement into rotary movement, and engine incorporating the same. 3,290,950, 12–13–66, Cl. 74—52.

Carlson, David A.: *See*—
Dohm, Arthur J., Jr., and Carlson. 3,249,510.

Carlson, David A. Sanitary shower stall. 3,230,550, 1–25–66, Cl. 4—146.

Carlson, David A. Sanitary shower stall. 3,276,042, 10–4–66, Cl. 4—146.

Carlson, David J., to Radio Corp. of America. Electrically tunable field-effect transistor circuit. 3,229,120, 1–11–66, Cl. 307—88.5.

Carlson, David J., to Radio Corp. of America. Multiband tunable circuit. 3,252,095, 5–17–66, Cl. 325—459.

Carlson, David J., to Radio Corp. of America. Multiband tunable circuit. 3,252,096, 5–17–66, Cl. 325—459.

Carlson, David J., to Radio Corp. of America. Wideband stabilized amplifier. 3,253,229, 5–24–66, Cl. 330—27.

Carlson, David J., to Radio Corp. of America. Automatic gain control circuit for amplifiers. 3,254,306, 5–31–66, Cl. 330—24.

Carlson, David J., and J. B. Schults, to Radio Corp. of America. UHF adaptor for VHF television receivers. 3,242,433, 3–22–66, Cl. 325—461.

Carlson, David, J. W. Pike, and E. E. Moyer, to Rotron Mfg. Co., Inc. Flow indicator. 3,258,760, 6–28–66, Cl. 340—239.

Carlson, David J., and G. E. Theriault, to Radio Corp. of America. Insulated-gate field-effect transistor amplifier having means to reduce high-frequency instability. 3,268,827, 8–23–66, Cl. 330—18.

Carlson, Donald A. Prefabricated building construction. 3,269,069, 8–30–66, Cl. 52—227.

Carlson, Drexel T. Methods and apparatus for achieving controlled large-scale climate and atmospheric effects. 3,292,306, 12–20–66, Cl. 47—2.

Carlson, Drexel T., F. N. Stephens, and J. T. Warkoczewski, to Gustin Bacon Mfg. Co. Textile fiber winder. 3,279,709, 10–18–66, Cl. 242—18.

Carlson, Dwight B.: *See*—
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Carlson, Dwight B., to International Harvester Co. Rotating elbow construction for discharge spouts and the like. 3,266,609, 8–16–66, Cl. 193—16.

Carlson, Edward H. Hand exerciser. 3,265,389, 8–9–66, Cl. 272—68.

Carlson, Elmer V., to Industrial Research Products, Inc. Transducer. 3,249,702, 5–3–66, Cl. 179—115.

Carlson, Elmer V., to Industrial Research Products, Inc. Electroacoustic transducer. 3,251,954, 5–17–66, Cl. 179—115.

Carlson, Emil H., to Monsanto Co. Treatment of polyphenyl ether compositions. 3,240,817, 3–15–66, Cl. 260—613.

Carlson, Ernest R., to Harvey Hubbell, Inc. Illuminated three-way switch. 3,238,343, 3–1–66, Cl. 200—167.

Carlson, Ernest R., to Harvey Hubbell, Inc. Electrical terminal. 3,283,290, 11–1–66, Cl. 339—272.

Carlson, Gilbert F., to International Telephone and Telegraph Corp. Piping system providing instantaneous changeover from heating to cooling and vice versa. 3,256,929, 6–21–66, Cl. 165—26.

Carlson, Gilbert F., to Progressive Products, Inc. Blackboard eraser. 3,262,145, 7–26–66, Cl. 15—244.

Carlson, Gilbert F., to International Telephone and Telegraph Corp. Heating or cooling systems and air separating devices therefor. 3,276,188, 10–1–66, Cl. 55—204.

Carlson, Harold A.: *See*—
Bickhaus, James T., and Carlson. 3,237,926.

Carlson, Harold A., to ACF Industries. Air valve secondary carburetor. 3,272,482, 9–13–66, Cl. 261—23.

Carlson, Harold A., to ACF Industries, Inc. Carburetor. 3,278,171, 10–11–66, Cl. 261—39.

Carlson, Harold V., to The Firestone Tire & Rubber Co. Dispersions of rubber and a polyhydric alcohol, with and without bitumen, and the production thereof. 3,285,871, 11–15–66, Cl. 260—28.5.

Carlson, Heins W. to FMC Corp. Plate inverting mechanism. 3,275,122, 9–27–66, Cl. 198—33.

Carlson, Ivyl. Cutter bar hinged extension. 3,257,789, 6–28–66, Cl. 56—296.

Carlson, John I., Sr., to General Electric Co. Sheet metal forming apparatus. 3,258,948, 7–5–66, Cl. 72—57.

Carlson, John W. Speed-O-Print Business Machines Corp. Photocopy machine. 3,283,689, 11–8–66, Cl. 95—89.

Carlson, Kenneth A., and D. R. Young, to International Business Machines Corp. Circular poled transducer. 3,284,727, 11–8–66, Cl. 333—30.

Carlson, Lesley J. Golf ball retriever. 3,273,927, 9–20–66, Cl. 294—19.

Carlson, Lewis J., to Crown Zellerbach Corp. Process for preparation of levoglucosan. 3,285,541, 2–15–66, Cl. 260—209.

Carlson, Marvin T., to General Motors Corp. Spiral bimetal operated coolant level switch. 3,293,891, 12–20–66, Cl. 200—113.

Carlson, Melvin G.: *See*—
Hlinsky, Emil J., Linkowski, and Carlson. 3,250,492.

Carlson, Milton R., to Barber-Colman Co. Oscillator controller with on-off time proportioning. 3,284,721, 11–8–66, Cl. 331—66.

Carlson, Norman L. Membrane hinge for toilet seat. 3,277,500, 10–11–66, Cl. 4—236.

Carlson, Oscar N., F. A. Schmidt, and L. L. Sherwood, to United States of America, Atomic Energy Commission. Ductile binary chromium alloy. 3,239,335, 3–8–66, Cl. 75—176.

Carlson, Oscar T. Irrigating plant receptacle. 3,243,919, 4–5–66, Cl. 47—38.

Carlson, Ralph T.: *See*—
Wilson, Clarence R., Bushnell, Herberger, and Carlson. 3,226,816.

Carlson, Raymond H., to Textron Industries, Inc. Transfer mechanism for header machines. 3,263,480, 8–2–66, Cl. 72—421.

Carlson, Raymond H., to Textron Industries, Inc. Screw extractor. 3,263,533, 8–2–66, Cl. 81—71.

Carlson, Raymond L., to Westinghouse Electric Corp. Air washers. 3,248,860, 5–3–66, Cl. 55—238.

Carlson, Raymond T., ½ to J. I. Foster, Jr. Furniture fasteners. 3,263,630, 8–2–66, Cl. 108—158.

Carlson, Raymond T., ½ to J. J. Foster, Jr. Furniture fasteners. 3,267,888, 8–23–66, Cl. 108—153.

Carlson, Richard A., to General Motors Corp. Motor vehicle electrical load control and starting system. 3,270,208, 8–30–66, Cl. 290—36.

Carlson, Richard E., and J. E. Paulin, to Blackstone Corp. Machines for manufacturing heat transfer units. 3,272,165, 9–13–66, Cl. 113—1.

Carlson, Richard K.: *See*—
Goetze, Dieter, Hamilton, and Carlson. 3,230,376.
McMaster, Archie J., Carlson, and S. B. McMaster. 3,241,168.

Carlson, Robert L.: *See*—
Crafts, Cecil A., Goodwin, and Carlson. 3,257,508.

Carlson, Robert S.: *See*—
Smiley, Eldridge H., Storm, Boetcker, Herzog, Carlson, and Scott. 3,281,141.

Carlson, Robert S., to Simmons Co. Operating table having separable top. 3,227,439, 1–4–66, Cl. 269—325.

Carlson, Robert W.: *See*—
Schluderberg, Donald C., Ryon, and Carlson. 3,247,074.
Stickney, Joseph B., Lemmermann, Herring, and Carlson. Re. 26,014.

Carlson, Roland P.: *See*—
Hart, Benjamin F., and Carlson. 3,283,399.
Hart, Benjamin F., Carlson, and Zubal. 3,243,623.

Carlson, Ronald E., W. E. Derrick, and J. H. Deahl, to Shell Oil Co. Spray gun for applying a two-component mixture. 3,229,911, 1–18–66, Cl. 239—142.

Carlson Tool & Machine Co.: *See*—
Clemens, George S. 3,243,235.
Peterson, Harold C. 3,233,943.

Carlson, Wilbur L., A. T. Gregg, and J. R. Vande Sande, to General Motors Corp. Dynamoelectric machine. 3,264,506, 8–2–66, Cl. 310—216.

Carlson, William C. A., and C. E. Sorensen, to United States of America, National Aeronautics and Space Administration. Electric arc device for heating gases. 3,229,155, 1–11–66, Cl. 315—111.

Carlson, William G.: *See*—
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Carlson, William L., Jr., to Honeywell Inc. Conductive fluid electric power conversion means. 3,264,547, 8–2–66, Cl. 321—8.

Carlson, William L., Jr., to Honeywell Inc. Control apparatus. 3,266,235, 8–16–66, Cl. 60—23.

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Carlsson, Arent G., to Bofors, Aktiebolaget. Hoisting apparatus for use with a mobile gun. 3,242,813, 3–29–66, Cl. 89—46.

Carlsson, Arent G., to Bofors, Aktiebolaget. Loading device for loading a magazine of a gun. 3,242,814, 3–29–66, Cl. 89—46.

Carlsson, Bengt J., to Motala Verkstad, Aktiebolaget. Storeyed presses. 3,237,246, 3–1–66, Cl. 18—17.

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Carlsson, Nils R., to North American Philips Co., Inc. Means for correcting the local oscillator frequency in a radar system. 3,290,678, 12–6–66, Cl. 343—17.1.

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Carlston, Earl F., and W. G. Toland, to Chevron Research Co. Selective extraction of aromatic hydrocarbons with polyesters. 3,270,073, 8–30–66, Cl. 260—674.

Carlström, Per A., and P. Mannby, to Telefonaktiebolaget L M Ericsson. Circuit for selection of alternative paths in telephone net-works. 3,231,676, 1–25–66, Cl. 179—18.

Carlstrom, Per A., and K. G. V. Redelius, to Telefonaktiebolaget L M Ericsson. Message accounting device. 3,284,777, 11–8–66, Cl. 340—172.5.

Carlton, John R. Building structure. 3,283,456, 11–8–66, Cl. 52—223.

Carlton, Sydney E. Method and means for flushing scale and sand in gate valves. 3,256,897, 6–21–66, Cl. 137—15.

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Carmichael, Daniel L., Sr. Tile setting template. 3,254,417, 6–7–66, Cl. 33—180.

Carmichael, Eldon W., and J. C. Wright, said Wright assor. to said Carmichael. Method and apparatus for manufacturing door frame components. 3,263,718, 8–2–66, Cl. 144—3.

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Carmody, Robert J. Method of making filament wound plastic containers. 3,290,197, 12–6–66, Cl. 156—171.

Carn, Felix F. Day and night aiming device for weapons. 3,294,963, 12–27–66, Cl. 240—6.41.

Carnaghi, Angelo J., and I. Logsdon, Jr., to Eli Lilly and Co. Capsule with integral locking band. 3,285,408, 11–15–66, Cl. 206—63.2.

Carnahan, Frank L., deceased (W. R. Clark, administrator), and R. C. Rice. Seat belt. 3,241,881, 3–22–66, Cl. 297—385.

Carnahan, James E., and L. E. Mortenson, to E. I. du Pont de Nemours and Co. Nitrogen fixing composition and its preparation from clostridium. 3,236,741, 2–22–66, Cl. 195—50.

Carnahan, Paul E., and E. A. Ziemer, Jr., to Westinghouse Electric Corp. Storage display tube with a shield separator between the writing gun and the flood gun. 3,278,780, 10–11–66, Cl. 313—71.

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Carnall, Edward, Jr., S. E. Hatch, L. S. Ladd, and W. F. Parsons, to Eastman Kodak Co. Method of molding magnesium fluoride. 3,294,878, 12–27–66, Cl. 264—1.

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Carney, Duane A., to United States of America, Navy. Matrix for control of step motors. 3,287,569, 11–22–66, Cl. 307—88.5.

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Carpenter, Gilbert B., M. W. Leeds, and R. J. Tedeschi, to Cumberland Chemical Corp. Ethylene oxide adducts of tertiary acetylenic alcohols. 3,268,593, 8–23–66, Cl. 260—615.

Carpenter, Gilbert B., M. W. Leeds, and R. J. Tedeschi, to Cumberland Chemical Corp. Ethylene oxide adducts of tertiary acetylenic alcohols 3,293,191, 12–20–66, Cl. 252—351.

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Carpenter, Sammy, W. E. Taylor, W. T. McNair, Jr., and F. T. Talbert, to Celanese Corp. of America. Process of purifying methyl ethyl ketone. 3,228,985, 1–11–66, Cl. 260—593.

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Papapanu, James A. 3,257,818.
Papapanu, James A. 3,276,216.
Papapanu, James A. 3,280,589.
Papapanu, James A. 3,281,062.
Papapanu, James A. 3,286,480.
Saha, Aatto P. 3,279,440.
Shaw, David N. 3,237,852.
Shaw, David N. 3,241,746.
Shaw, David N. 3,243,101.

Carrier Corp.: *See*—Continued
Shields, James R. 3,271,934.
Shields, James R. 3,272,259.
Sonntag, Wallace E., Jr. 3,240,628.
Sonntag, Wallace E., Jr. 3,279,213.
Tothero, Dwight L. 3,273,501.
Traver, Darwin G. 3,289,434.
Wellman, Donald C. 3,259,172.
Wrench, James C., and Bell. 3,286,481.
Carrier Engineering Co. Ltd.: *See*—
Knight, Howard R. J. 3,262,419.
Carrier Mfg. Co.: *See*—
Carrier, Robert M., Jr. 3,232,492.
Carrier, Robert M., Jr. 3,254,425.
Carrier, Robert M., Jr. 3,254,879.
Dumbaugh, George. 3,251,457.
Dumbaugh, George D., and Hess. 3,261,592.
Dumbaugh, George D., and Willis. 3,257,040.
Carrier, Michel. Machine for cutting spectacle-legs or the like. 3,272,076, 9–13–66, Cl. 90—13.
Carrier, Paul J.: *See*—
Schlossberg, Louis, and Carrier. 3,269,877.
Schlossberg, Louis, Logue, and Carrier. 3,272,664.
Carrier, Robert M., Jr., to Carrier Mfg. Co. Apparatus for transporting material by compound motion. 3,232,492, 2–1–66, Cl. 222—161.
Carrier, Robert M., Jr., to Carrier Mfg. Co. Elevator drier. 3,254,425, 6–7–66, Cl. 34—135.
Carrier, Robert M., Jr., to Carrier Mfg. Co. Agitating apparatus. 3,254,879, 6–7–66, Cl. 259—29.
Carriere, Donald L., to Ford Motor Co. Fluid and mechanical clutch fan drive. 3,280,948, 10–25–66, Cl. 192—48.
Carriero, Emanuel J. Rodent and vermin exterminator. 3,243,913, 4–5–66, Cl. 43—98.
Carrigan, Emery D., and L. O. Doyle, Jr., to Atlas Incinerators, Inc. Safety device for incinerators. 3,245,368, 4–12–66, Cl. 110—18.
Carrigan, Raymond J.: *See*—
Harrison, Wayne T., and Carrigan. 3,285,797.
Carrington, William K.: *See*—
Lens, Robert W., Handlovits, and Carrington. 3,274,165.
Carrion, Carmelo, Jr., S. Kahn, and F. Presant, to Aerosol Techniques, Inc. Actuator for aerosol valve having a valved passage downstream of said valve. 3,249,267, 5–3–66, Cl. 222—394.
Carrock, Frederick E., and K. W. Doak, to Rexall Drug and Chemical Co. Preparation of high impact compositions from vinyl aromatic monomers and rubbery diolefin polymers. 3,284,542, 11–8–66, Cl. 260—880.
Carroll, Arlan J., to Motorola, Inc. Method for connecting semiconductor devices. 3,292,241, 12–20–66, Cl. 29—155.5.
Carroll Container Corp.: *See*—
Buts, James N. 3,259,295.
Carroll, David D. Changeable feature mechanism for toys and animated physiognomical figures. 3,236,006, 2–22–66, Cl. 46—135.
Carroll, David F.: *See*—
Mills, Loring E., Hauth, Bloomster, and Carroll. 3,230,-151.
Carroll, David I.: *See*—
Cohen, Martin J., Carroll, Gibson, Grice, and Wernlund. 3,265,894.
Carroll, Frank E., and R. R. Sepulveda, to Lever Bros. Co. Clear, uniform liquid detergent composition. 3,234,138, 2–8–66, Cl. 252—110.
Carroll, Frederick C., and F. H. Weihs, to Toledo Scale Corp. Label applicators. 3,284,265, 11–8–66, Cl. 156—350.
Carroll, Grady C.: *See*—
Bell, Gordon W., and Carroll. 3,234,562.
Carroll, Howard B., to Sheldon Machine Co. Inc. Tool carrying assembly for engine lathes. 3,262,347, 7–26–66, Cl. 82—24.
Carroll, James C.: *See*—
Keene, William A., and Carroll. 3,252,589.
Carroll, James C., R. O. Decker, F. T. Thompson, and H. van Gelder, to Westinghouse Electric Corp. Speed monitoring apparatus with a reference channel and a variable channel each employing a saturable code digital-to-analog converter. 3,248,648, 4–26–66, Cl. 324—70.
Carroll, James H.: *See*—
Feder, Jack B., and Carroll. 3,239,552.
Carroll, James H., to Phillips Petroleum Co. Calorimetric analysis for control of catalytic polymerization reactions. 3,290,116, 12–6–66, Cl. 23—230.
Carroll, James L., to Wilco Corp. Vehicle top carrier. 3,257,019, 6–21–66, Cl. 214—515.
Carroll, James S. Surface coating machines, and the like. 3,245,380, 4–12–66, Cl. 118—324.
Carroll, James W., and H. V. Smith, to Pennsalt Chemical Corp. Aluminum cleaning compositions. 3,255,118, 6–7–66, Cl. 252—137.
Carroll, John J., to Automatic Electric Laboratories, Inc. Gating circuit for a time decision multiplex switching system. 3,247,323, 4–19–66, Cl. 179—15.
Carroll, Joseph E.: *See*—
Lillestrand, Robert L., Carroll, and Purcell. 3,290,933.
Carroll, Joseph J., J. B. Gallettl, Jr., and J. F. O'Kelly, Jr., to J and J Marine Diving Co. Pile cutter. 3,293,963, 12–27–66, Cl. 83—54.
Carroll, Lister E.: *See*—
Ward, Curtis E., Macdonald, and Carroll. 3,268,762.
Carroll, Michael W., and J. C. Kerrigan, to Eltra Corp. Windshield wiper mechanism. 3,242,520, 3–29–66, Cl. 15—250.17.
Carroll, Patrick C., to Martin-Marietta Corp. Hypersonic drag device. 3,250,499, 5–10–66, Cl. 244—113.
Carroll, Patrick E.: *See*—
Benedict, Robert A., and Carroll. 3,245,463.
Carroll, Robert L. Yarn condenser for textile machines. 3,273,206, 9–20–66, Cl. 19—288.
Carroll, Robert L. Stretch yarn feeder for spinning frames. 3,286,449, 11–22–66, Cl. 57—12.
Carroll, Willard D., ½ to R. A. Smith. Grade indicator stake. 3,267,901, 8–23–66, Cl. 116—114.
Carroll, William J. Reinforcing rod support. 3,289,378, 12–6–66, Cl. 52—688.
Carroll, William V., Jr.: *See*—
Anderson, James A., and Carroll. 3,246,685.
Carrollton Mfg. Co.: *See*—
Cope, Richard S. 3,231,903.
Carron, Maurice C. E., to Societe Anonyme des Laboratories Robert et Carriere. Antibacterial nitrofurylidene derivatives and methods of using same. 3,290,213, 12–6–66, Cl. 167—55.
Carrona, John J., to Radio Corp. of America. Electron tubes. 3,240,977, 3–15–66, Cl. 313—238.
Carrotte, Frederick H., to A. Kirkland & Co. Ltd. Circular knitting machines. 3,240,032, 3–15–66, Cl. 66—20.
Carrotte, Frederick H., and K. A. Hartley, to A. Kirkland & Co. Ltd. Circular knitting machines. 3,263,453, 8–2–66, Cl. 66—50.
Carros, John W., to United States of America, Navy. New process for casting rocket propellant grains. 3,230,281, 1–18–66, Cl. 264—3.
Carruth, Donald E., and G. D. Smith, Jr., to United States of America, Navy. Magnetostriction delay line frequency divider with recirculating loops. 3,258,677, 6–28–66, Cl. 321—60.
Carruth, Otis. Inductor alternator. 3,283,191, 11–1–66, Cl. 310—168.
Carruth, William J. Dual control braking system. 3,236,340, 2–22–66, Cl. 188—152.
Carruthers, George A., to Turbo Machine Co. Rotary motion speed modulating mechanism. 3,230,786, 1–25–66, Cl. 74—206.
Carruthers, George A., to Turbo Machine Co. Pretwisting apparatus and method. 3,237,391, 3–1–66, Cl. 57—18.
Carruthers, George A., to Turbo Machine Co. Apparatus for coiling continuous filament yarn. 3,280,440, 10–25–66, Cl. 28—1.
Carruthers, James M.: *See*—
Miller, Frank E., and Carruthers. 3,289,899.
Carruthers, John: *See*—
Fisher, Arnold, Ford, and Carruthers. 3,258,431.
Carsello, Richard D., and D. L. Gunn, to Motorola, Inc. Frequency modulation circuit. 3,275,938, 9–27–66, Cl. 325—349.
Carsey, Eugene A., to The Kirk & Blum Mfg. Co. Dust control apparatus for metal working machines. 3,274,892, 9–27–66, Cl. 90—24.
Carski, Theodore J., to B-D Laboratories, Inc. Method and apparatus for filling hypodermic syringes, ampules, etc. 3,245,194, 4–12–66, Cl. 53—22.
Carslaw, Charles H., to Drysdale & Co. Ltd. Liquid carrying vessels to facilitate the discharge therefrom of the liquid. 3,227,331, 1–4–66, Cl. 222—464.
Carslaw, Charles H., to Drysdale & Co. Ltd. Unloading of bulk liquid or pulverulent cargoes from cargo ships. 3,291,-351, 12–13–66, Cl. 222—464.
Carson, David L., to United States of America, Navy. High pressure transducer calibration and test equipment. 3,292,-142, 12–13–66, Cl. 340—8.
Carson, Don B., to Universal Oil Products Co. Hydrodealkylation of alkyl aromatic hydrocarbons. 3,291,850, 12–13–66, Cl. 260—672.
Carson, Edward. Double-faced charcoal broiler. 3,230,863, 1–25–66, Cl. 99—400.
Carson, Elizabeth L.: *See*—
Mohrbacher, Richard J., and Carson. 3,243,439.
Carson, Frank J.: *See*—
Caswall, Robert D., Jr., and Carson. 3,236,621.
Leflet, Herbert A., Jr., and Carson. 3,241,936.
Ritter, George F., Jr., and Carson. 3,229,624.
Carson, Frank J., to Libbey-Owens-Ford Glass Co. Method for bending and tempering glass sheets. 3,262,768, 7–26–66, Cl. 65—104.
Carson, Frank J., and H. A. Leflet, Jr., to Libbey-Owens-Ford Glass Co. Apparatus for bending glass sheets. 3,230,066, 1–18–66, Cl. 65—287.
Carson, Frank J., and A. Stickel, to Libbey-Owens-Ford Glass Co. Glass sheet bending apparatus with guide means. 3,230,067, 1–18–66, Cl. 65—290.
Carson, Frank J., and H. A. Leflet, Jr., to Libbey-Owen-Ford Glass Co. Method of bending glass sheets with a compressional zone. 3,231,352, 1–25–66, Cl. 65—103.
Carson, Frank J., and H. A. Leflet, Jr., to Libbey-Owens-Ford Glass Co. Method for bending glass sheets. 3,257,185, 6–21–66, Cl. 65—107.
Carson, Frank J., and D. M. Wampler, to Libbey-Owens-Ford Glass Co. Bending mold for bending glass sheets with heat distributor. 3,269,822, 8–30–66, Cl. 65—288.

Carson, Frank J., and H. A. Leflet, Jr., to Libbey-Owens-Ford Glass Co. Apparatus for press bending glass sheets. 3,294,516, 12–27–66, Cl. 65—273.
Carson, Gordon L. Automobile compartment lock means. 3,273,935, 9–20–66, Cl. 296—76.
Carson, Jack W.: *See*—
Salomon, Allen N., and Carson. 3,255,389.
Carson, John R., to McNeil Laboratories, Inc. Tetra and hexahydrocyclopent (ij) isoquinolines. 3,247,210, 4–19–66, Cl. 260—286.
Carson, John W.: *See*—
Schmidt, Walther, and Carson. 3,240,590.
Carson, Joseph M., Jr.: *See*—
Webster, John D. 3,273,624.
Carson, Raymond M. Wide-range tow hitch to facilitate connection. 3,243,202, 3–29–66, Cl. 280—478.
Carson, Raymond M. Wide range tow bar. 3,281,162, 10–25–66, Cl. 280—478.
Carson, Robert L., to General Electric Co. Compound control system for a turbine. 3,271,953, 9–13–66, Cl. 60—43.
Carson, William N., Jr., to General Electric Co. Current-responsive regulator. 3,231,810, 1–25–66, Cl. 320—39.
Carson, William N., Jr., to General Electric Co. Reserve primary cell. 3,269,868, 8–30–66, Cl. 136—114.
Carson, William N., Jr., and W. H. Fischer, to General Electric Co. Water-activated battery. 3,278,338, 10–11–66, Cl. 136—100.
Carson, William N., Jr., and W. H. Fischer, to General Electric Co. Water activated primary battery having a mercury-magnesium alloy anode. 3,285,782, 11–15–66, Cl. 136—100.
Carson, William W., Jr., and W. J. Murgas, to Nelvac, Inc. Removable mirror assembly. 3,294,438, 12–27–66, Cl. 296—152.
Carsten, Bruce W. Ignition system for high speed engines. 3,244,160, 4–5–66, Cl. 123—148.
Carswell, Firman L., Mfg. Co., Inc., The: *See*—
Schmidt, Richard O. 3,279,141.
Carswell, Samuel A.: *See*—
Smith, John P., and Carswell. 3,262,894.
Cart, Spencer. Rotatable faucet valve. 3,281,111, 10–25–66, Cl. 251—88.
Cartem Engineering Ltd.: *See*—
Morgan, John F. 3,233,854.
Carter, A. B., Inc.: *See*—
Dalpiaz, Julius A. 3,226,924.
Carter, Albert S., to E. I. du Pont de Nemours and Co. Composite propellant containing nitroglycerin. 3,265,543, 8–9–66, Cl. 149—19.
Carter, Andrew G. Aligned-lever buckle mechanism. 3,226,-791, 1–4–66, Cl. 24—230.
Carter, Andrew G. Seat belt terminal system. 3,248,149, 4–26–66, Cl. 297—388.
Carter, Andrew G. Device for removing slack from a safety belt. 3,257,147, 6–21–66, Cl. 297—388.
Carter, Arnold G., and J. H. Courcoulas, to Canadian Westinghouse Co. Ltd. Strip reel motor deceleration digital control system. 3,248,621, 4–26–66, Cl. 318—7.
Carter, Arthur E.: *See*—
Sebald, Joseph F., Karassik, Davis, and Carter. 3,284,-993.
Carter, Arthur L., and J. A. Van Ingen, to Eastman Kodak Co. Ultrasonic degassing of multiple emulsions in a vertical unit. 3,239,998, 3–15–66, Cl. 55—159.
Carter, Arthur L., and B. C. Gibbons, to Eastman Kodak Co. Concentration control for centrifugal wiped-film evaporators. 3,242,971, 3–29–66, Cl. 159—44.
Carter, B. & F., & Co. Ltd.: *See*—
Carter, Ben R. 3,258,905.
Carter, Ben R. Wrapping machine for reinforcing hose. 3,234,721, 2–15–66, Cl. 57—13.
Carter, Ben R., to B. & F. Carter & Co. Ltd. Tubular stranding machines. 3,258,905, 7–5–66, Cl. 57—58.34.
Carter, Clarence F. Methods and apparatus for dispensing particulate material. 3,278,081, 10–11–66, Cl. 222—1.
Carter, Clarence L. Vehicle tire cooling stations for highways. 3,269,281, 8–30–66, Cl. 94—1.
Carter, Dale A. Bowling ball including thumb hole lined with velvet pile. 3,266,804, 8–16–66, Cl. 273—63.
Carter, Don E., to Monsanto Co. Method and apparatus for continuous flow analysis. 3,236,092, 2–22–66, Cl. 73—23.1.
Carter, Don E., and W. G. Bir, to Monsanto Co. Method for reducing cross-linking in polymerization processes. 3,236,-828, 2–22–66, Cl. 260—94.9.
Carter, Edward R., R. F. Holbrow, L. G. Best, and A. R. Denham: said Holbrow assor. to said Carter. Stacked barrels containing collapsible bags. 3,265,254, 8–9–66, Cl. 222—386.5.
Carter, Eugene H., to Hoerner Boxes, Inc. Self-locking-closing carton. 3,291,367, 12–13–66, Cl. 229—33.
Carter, Gary D., to Blue Bell Inc. Cutting and printing device. 3,276,355, 10–4–66, Cl. 101—26.
Carter, George T., to Grant Oil Tool Co. Drill string stabilizer. 3,276,824, 10–4–66, Cl. 308—4.
Carter, Giles F.: *See*—
Bellis, Harold E., and Carter. 3,287,159.
Carter, Giles F., to E. I. du Pont de Nemours and Co. Alloy diffusion coating process. 3,236,684, 2–22–66, Cl. 117—135.1.
Carter, Giles F., to E. I. du Pont de Nemours and Co. Process for diffusion coating metals. 3,261,712, 7–19–66, Cl. 117—114.
Carter, Giles F., to E. I. du Pont de Nemours and Co. Cr-Fe diffusion coating ferrous metal substrate. 3,294,498, 12–27–66, Cl. 29—196.6.
Carter, John W.: *See*—
Breithbarth, William W., Carter, Costa, and Lauterbach. 3,220,391.
Carter, Joseph C., and M. B. Rodin, to United States of America, Atomic Energy Commission. Method and system for supplying thrust to a space vehicle. 3,274,770, 9–27–66, Cl. 60—203.
Carter, Leewood C.: *See*—
Mullen, Edward K., and Carter. 3,271,051.
Mullen, Edward K., and Carter. 3,273,913.
Carter, Paul H.: *See*—
Morse, Raymond L., and Carter. 3,272,418.
Carter, Paul H., to Maryland Cup Corp. Method of providing a preformed closure member for a container. 3,229,010, 1–11–66, Cl. 264—136.
Carter, Paul R., M. A. Harvey, and A. R. Lynch (now by change of name A. R. Pollis), to United States Steel Corp. Method of coating silicon steel in conjunction with box annealing thereof preparatory to die punching. 3,265,600, 8–9–66, Cl. 204—145.
Carter, Paul R., and L. E. Helwig, to United States Steel Corp. Method of treating galvanized sheet to inhibit staining. 3,271,284, 9–6–66, Cl. 204—145.
Carter, Peter L., E. D. Chilwell, D. W. J. Lane, and G. T. Newbold, to Fisons Pest Control Ltd. Tetrachloro-ortho-phenylenediamine and salts thereof. 3,231,615, 1–25–66, Cl. 260—578.
Carter, Phillip K.: *See*—
Dekko, Chester E., and Carter. 3,277,234.
Carter, Phillip M.: *See*—
Horwitt, Laurence G., Gurtler, and Carter. 3,229,851.
Carter Precision Electric Co.: *See*—
Gloviak, Stanley J., and Weller. 3,272,948.
Carter Products, Inc.: *See*—
Berger, Frank M., and Ludwig. 3,278,583.
Ludwig, Bernard J., Diamond, and Skinner. 3,264,338.
Carter, Ralph E., to General Electric Co. Process for sealing vacuum-tight spinel bodies. 3,239,322, 3–8–66, Cl. 65—30.
Carter, Richard H., R. W. Jeffery, and C. A. Williams, to Fostoria Corp. Infra-red heater. 3,240,915, 3–15–66, Cl. 219—343.
Carter, Richard S., J. C. Cooper, and M. W. Welz, to International Business Machines Corp. Computer clock phase lock. 3,245,048, 4–5–66, Cl. 340—172.5.
Carter, Richard S., W. W. Welz, and R. D. Ross, to International Business Machines Corp. Computer wrap error circuit. 3,248,698, 4–26–66, Cl. 340—146.1.
Carter, Richard S., and W. W. Welz, to International Business Machines Corp. Parallel memory, multiple processing, variable word length computer. 3,270,325, 8–30–66, Cl. 340—172.5.
Carter, Richard S., and W. W. Welz, to International Business Machines Corp. Means for comparing digital values. 3,289,160, 11–29–66, Cl. 340—146.2.
Carter, Rollins S.: *See*—
Burdge, Sam W., and Carter. 3,273,101.
Burdge, Sam W., and Carter. 3,280,305.
Carter, Ronald J., R. H. Cousens, and D. W. J. Osmond, to Imperial Chemical Industries Ltd. Dispersion polymerization of monomer in presence of block or graft copolymer and film-forming resin. 3,261,788, 7–19–66, Cl. 260—4.
Carter, Sidney L., and A. Gutschmit, to Alamac Knitting Mills, Inc. Splitting machine. 3,289,510, 12–6–66, Cl. 83—151.
Carter, Sidney T., to Geo. J. Meyer Mfg. Co. Automatic power cut-off for labeling machines. 3,238,436, 3–1–66, Cl. 318—475.
Carter, Sidney T., to Geo. J. Meyer Mfg. Co. Apparatus for applying gum to a label picker. 3,262,422, 7–26–66, Cl. 118—263.
Carter, Thomas J., to Baker Oil Tools, Inc. Well packer. 3,229,767, 1–18–66, Cl. 166—134.
Carter, Uriel F., to Cutler-Hammer, Inc. Electrical controller. 3,267,239, 8–16–66, Cl. 200—124.
Carter-Wallace, Inc.: *See*—
Ayres, John E., Reich, and Fourman. 3,258,170.
Berger, Frank M., and Ludwig. 3,280,171.
Reich, Irving, and Ayres. 3,258,171.
Carter, Warren E., to Airtex Products, division of United Industrial Syndicate, Inc. Ball joint connection. 3,239,-256, 3–8–66, Cl. 287—87.
Carter, Warren H.: *See*—
Archbold, Edward R., and Carter. 3,234,835.
Carter, William, Co., The: *See*—
Martin, Frank G. 3,244,343.
Carter, William A., to I-T-E Circuit Breaker Co. Floating insulating shield. 3,265,843, 8–9–66, Cl. 200—151.
Carter, William A., to I-T-E Circuit Breaker Co. Magnetic type circuit breaker having air gap in face of face wound core structure for producing non-uniform magnetic field. 3,268,699, 8–23–66, Cl. 200—147.
Carter, William B., and J. A. Acciarri, to Continental Oil Co. Separation of olefins from aluminum alkyls. 3,249,648, 5–3–66, Cl. 260—683.15.
Carter, William B., to Continental Oil Co. Preparation of eta alumina by water hydrolysis. 3,264,063, 8–2–66, Cl. 23—143.

Carter, William J., Jr., to The Tirewell Co., Inc. Method and apparatus for maintaining temperature in an enclosure. 3,255,597, 6–14–66, Cl. 62—55.

Carter's Ink Co., The: *See*—
Bateman, Robert F. 3,252,446.
Eriksson, Ernst A. 3,230,934.
Peshin, John V. 3,284,360.

Cartier, Pierre, and L. St. Arnaud. Bag forming machine. 3,257,915, 6–28–66, Cl. 93—8.

Cartier, Roger J., to Controls Co. of America. Stepping mechanisms. 3,237,464, 3–1–66, Cl. 74—125.

Cartier, Roger J., to Controls Co. of America. Stepping mechanisms. 3,237,467, 3–1–66, Cl. 74—152.

Cartier, Roger J., to Controls Co. of America. Switch and blade therefor having meandering sections for contact pressure. 3,260,828, 7–12–66, Cl. 200—166.

Cartier, Roger J., to Controls Co. of America. Timer with arc subtending cam surface. 3,283,091, 11–1–66, Cl. 200—38.

Cartier, Roger J., and J. J. Passetchnik, to Controls Co. of America. Three position slide bar type switch. 3,258,548, 6–28–66, Cl. 200—16.

Carton, Jean, J. Feytis, and P. Fouquet, to Compagnie Francaise Thomson-Houston. Method for the deaeration of plastic materials. 3,235,640, 2–15–66, Cl. 264—102.

Cartsunis, Louis P.: *See*—
Kindron, Robert R., and Cartsunis. 3,284,283.

Cartwright, Horace A. Aggregate feed for road surfacing machinery. 3,228,310, 1–11–66, Cl. 94—44.

Cartwright, Horace A. Extension insert and tail gate operator for dump trucks. 3,279,844, 10–18–66, Cl. 296—56.

Cartwright, Horace A. Hot spray bar for distributing roadway coating materials. 3,284,006, 11–8–66, Cl. 239—166.

Cartwright, John K., and W. R. Hutchison, to Ferro Corp. Apparatus for distributing and screening particulate material. 3,280,973, 10–25–66, Cl. 209—233.

Carumpalos, Constantine, to United States Envelope Co. Sterilization indicator coating. 3,288,718, 11–29–66, Cl. 252—408.

Carus Chemical Co., Inc.: *See*—
Welch, William A. 3,248,264.

Caruso, Gerard P., to Shell Oil Co. Grease compositions. 3,271,309, 9–6–66, Cl. 252—21.

Caruso, Paul J., R. P. Flynn, G. L. McLeod, D. S. Most, and H. N. Schlein, to Itek Corp. Electrophotographic element. 3,268,332, 8–23–66, Cl. 96—1.

Car-Vac Industries Ltd.: *See*—
Griffiths, Ralph D. J. 3,246,359.

Carvallo, Pierre. Chains, particularly for conveyors. 3,246,734, 4–19–66, Cl. 198—189.

Carvelas, James, R. M. Vesper, and H. H. Weichardt, to General Precision, Inc. Microwave modulator using single crystal ferrite. 3,235,819, 2–15–66, Cl. 332—52.

Carver, Arthur J., B. T. Fowler, and A. T. Langton, to Esso Research and Engineering Co. Processes and media for quenching metals. 3,281,288, 10–25–66, Cl. 148—20.6.

Carver, Fred M. Self-contained portable dispensing system. 3,240,395, 3–15–66, Cl. 222—129.1.

Carver, George P., and C. E. Hallum, to Ford Motor Co. Pneumatic gauge system. 3,230,769, 1–25–66, Cl. 73—292.

Carver, Harold E., to Union Oil Co. of California. Continuous mining machine and method. 3,288,532, 11–29–66, Cl. 299—18.

Carver, Lawrence M., to Stelma Inc. Signal monitoring and switching circuits for a terminal facility. 3,292,087, 12–13–66, Cl. 325—64.

Carver, Robert L., and P. Shevick, to Nuclear-Chicago Corp. Radioactivity apparatus for indicating properties of materials. 3,256,434, 6–14–66, Cl. 250—83.1.

Carver, Roy J., to Bandag Inc. Tire recapping process. 3,236,709, 2–22–66, Cl. 156—96.

Carver, Thurman W., to The Boeing Co. Vehicle navigation to destination system. 3,243,802, 3–29–66, Cl. 343—7.

Cary, Hall: *See*—
Foster, George B., and Cary. 3,263,163.
Foster, George B., and Cary. 3,263,167.
Foster, George B., and Cary. 3,281,665.

Cary, Henry H., to Applied Physics Corp. Double folded-Z configuration monochromator. Re. 26,053, 7–5–66, Cl. 88—14.

Cary, John T., to Continental Can Co., Inc. Reciprocating multiple die device for can cutoff and flanging by magnetic impulse. 3,286,497, 11–22–66, Cl. 72—56.

Cary, Paul O. Automatic sectioning machines. 3,289,663, 12–6–66, Cl. 125—13.

Cary, Philip E., to International Harvester Co. Heat treating apparatus for crankshafts. 3,240,480, 3–15–66, Cl. 266—4.

Cary, Philip E., to International Harvester Co. Heat treating apparatus and process for crankshafts. 3,247,353, 4–19–66, Cl. 219—10.57.

Caryotakis, George: *See*—
Staprans, Armand, and Caryotakis. 3,249,794.

Casadio, Silvano, to Istituto de Angeli. Glycerol ethers. 3,288,856, 11–29–66, Cl. 260—592.

Casady, Allen W., to Stone Container Corp. Paperboard package with plastic bag insert for storage and shipping of fluids. 3,233,817, 2–8–66, Cl. 229—14.

Casady, Claude E. Receptacle and interlocking resilient flange support means therefor. 3,260,038, 7–12–66, Cl. 55—378.

Casagrande, Norman: *See*—
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Casale, Salvatore A., T. M. Cawthon, and W. M. Wenner, to Allied Chemical Corp. Reaction of diisopropylbenzene, α,α'-diol with phenolic compounds and products thereof. 3,256,347, 6–14–66, Cl. 260—619.

Casalini, Carlo. Steam producing system, particularly adapted for sauna baths. 3,293,666, 12–27–66, Cl. 4—175.

Casanova, Ralph, and E. Rothman, to United States of America, Navy. Apparatus including controlled meter applying means for the measurement of gas tube voltage drop. 3,278,836, 10–11–66, Cl. 324—24.

Casaroll, Eugene A.: *See*—
Welch, Russel A. 3,253,123.
Welch, Russel A., Sr. 3,269,456.

Casas-Campillo, Carlos, to Syntex Corp. Process for the transformation of steroids using a mutant strain of arthrobacter (corynebacterium) simplex. 3,264,194, 8–2–66, Cl. 195—51.

Casas-Robert, Ramon, to Mefina S.A. Device for securing a needle to a sewing machine and guiding the thread towards the needle eye. 3,277,854, 10–11–66, Cl. 112—226.

Casavant Freres Limitee: *See*—
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Lemieux, Gilbert. 3,266,360.

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Richards, John A. 3,289,842.
Weinert, Harry F. 3,291,518.

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Casciani, Ferri, H. D. Bauman, and R. S. Williams, to P. H. Glatfelter Co. Manufacture of calcium carbonate. 3,268,387, 8–23–66, Cl. 162—30.

Casciani, Richard E., to The Tappan Co. Oven door with panel inserts. 3,267,930, 8–23–66, Cl. 126—200.

Casciato, Leonard, and J. Kates. Traffic signal systems. 3,254,324, 5–31–66, Cl. 340—35.

Cascio, Jack, and W. C. Kerker, to American Machine & Foundry Co. Tray feed mechanism. 3,283,930, 11–8–66, Cl. 214—302.

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Horwitt, Laurence G. 3,272,390.
Horwitt, Laurence G., Gurtler, and Carter. 3,229,851.
Taylor, Lloyd F. 3,251,979.

Case, Charles B., and G. F. Ingwersen. Cold storage container. 3,257,820, 6–28–66, Cl. 62—223.

Case, Charles Z., G. B. Stone, and W. F. Holmes, to Stone Fabricators, Inc. Side discharging vehicle body. 3,257,145, 6–21–66, Cl. 296—14.

Case, Clifford T., Jr., D. K. Mosher, and H. E. Schnader, to Socony Mobil Oil Co., Inc. Reboiler heat control responsive to overhead vapor content. 3,255,595, 6–14–66, Cl. 62—21.

Case, Everett N., S. H. Patinkin, and H. D. Young, to Sinclair Research, Inc. Method of reducing ring wear in compression ignition engines burning residual hydrocarbon fuel. 3,272,607, 9–13–66, Cl. 44—70.

Case, Forrest N., and E. H. Acree, to United States of America, Atomic Energy Commission. Production of uranium. 3,282,655, 11–1–66, Cl. 23—324.

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Wnek, Arthur H., Richards, and Case. 3,287,482.

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Bulin, Shelley A. 3,264,706.
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Bushmeyer, Richard W., and Miller. 3,269,098.
Bushmeyer, Richard W., Miller, Holmstrom, and Strohman. 3,244,088.
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Larsen, Gary V., and Skahill. 3,242,657.
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Nuehoff, Alfred L., and Frisbee. 3,293,822.
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Pedersen, Carl O. 3,241,694.
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Ralston, Harold A. 3,275,341.
Ralston, Harold A. 3,291,222.
Reeser, Esral M. 3,266,810.
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Schaible, Aaron M. 3,292,441.
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Wenning, Maurice H. 3,244,271.
Wenning, Maurice H. 3,267,760.
Wenning, Maurice H. 3,267,761.

Case, John S., to Anchor Post Products, Inc. Gate hinge support clamp device. 3,268,946, 8–30–66, Cl. 16—158.

Case, John S., and J. E. Belcher, Jr.: said Case assor. to Anchor Post Products, Inc. and said Belcher assor. to Reynolds Metals Co. Railing constructions and parts therefor or the like. 3,246,879, 4–19–66, Cl. 256—24.

Case, Laura K.: *See*—
Case, Leslie C. and L. K. 3,280,077.

Case, Leslie C. and L. K. Resinous compositions comprising epoxy resins and polyester-ether copolymers having acidic end groups. 3,280,077, 10–18–66, Cl. 260—75.

Case, Richard P., H. G. Jones, R. M. Smith, and J. A. de Veer, to International Business Machines Corp. Memory protection system. 3,264,615, 8–2–66, Cl. 340—172.5.

Case, Robert C., to Phillips Petroleum Co. Vapor pressure control in liquefied gas dispenser. 3,276,467, 10–4–66, Cl. 137—468.

Case, Woodrow W., to Be-Mo Machine Co. Automatic control device. 3,239,055, 3–8–66, Cl. 198—37.

Casebeer, John S. Portable heater. 3,249,737, 5–3–66, Cl. 219—205.

Caselman, Evelyn M. Gripping and supporting device for paper boxes. 3,268,146, 8–23–66, Cl. 229—6.

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Noel, Darwin R., and Casely. 3,256,201.

Casely, Robert E., and D. R. Noel, to Armour and Co. Bacteriostatic compositions. 3,276,955, 10–4–66, Cl. 167—38.7.

Casement, James, to Sperry Rand Corp. Method of fabricating a laminated printed circuit structure. 3,234,060, 2–8–66, Cl. 156—3.

Caserta, Richard T. Grinding wheel. 3,250,045, 5–10–66, Cl. 51—209.

Casey, Cullen. Thermoelectric heater for liquid concentrating still. 3,261,764, 7–19–66, Cl. 202—187.

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Wilson, Harold W. 3,288,597.

Casey, James H., to Minnesota Mining and Mfg. Co. Easy-opening seal of adhesive tape. 3,228,076, 1–11–66, Cl. 24—16.

Casey, James H., to Minnesota Mining & Mfg. Co. Strip material winding machine. 3,256,813, 6–21–66, Cl. 101—292.

Casey, John A., to Sun Oil Co. Polypropylene stabilized with organic thiophosphites. 3,256,237, 6–14–66, Cl. 260—45.8.

Casey, John A., and C. E. Blades, to Cumberland Chemical Corp. Post curing polymer of vinyl acetate, allyl glycidyl ether and unsaturated acid. 3,247,151, 4–19–66, Cl. 260—29.6.

Casey, Richard H., and A. E. Popodi, to United States of America, Navy. Bandwidth compensation for high speed ramp voltage generator employing two series connected parallel RC networks. 3,292,011, 12–13–66, Cl. 307—88.5.

Casey, Robert F., to Arthur D. Little, Inc. Multiplier. 3,234,375 2–8–66 Cl. 235—194.

Casey, Robert F., to The Patent Button Co. Electromagnetic motor for a data indicator. 3,240,965, 3–15–66, Cl. 310—49.

Casey, Robert T., to General Electric Co. Circuit breaker with spring-biased toggle link. 3,287,522, 11–22–66, Cl. 200—116.

Casey, Robert T., and K. W. Klein, to General Electric Co. Electric circuit breaker with thermal magnetic trip. 3,278,708, 10–11–66, Cl. 200—116.

Casey, William J.: *See*—
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Cash, A. W., Co.: *See*—
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Cash, Burns A., to United States of America, Air Force. Radar reflector container. 3,269,639, 8–30–66, Cl. 229—23.

Cash, Jerrold G., to Phillips Petroleum Co. Process and apparatus for treating hydrocarbon stream to remove contaminant. 3,240,833 3–15–66, Cl. 260—676.

Cash, Stanley M., and L. J. Strafaci, to Continental Can Co., Inc. Decoration of plastic containers. 3,261,289, 7–19–66, Cl. 101—426.

Cashman, Edward P.: *See*—
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Cashman, John M.: *See*—
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Cashman, Robert W., to Saginaw Machine and Tool Co. Clamping apparatus. 3,263,293, 8–2–66, Cl. 24—263.

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Casimir, Hendrik B. G., to North American Philips Co., Inc. Superconductor amplitude discriminator having a plurality of superconducting loops differentially arranged to detect a signal by being responsive to respond to the magnetic field produced by the signal. 3,259,844, 7–5–66, Cl. 324—103.

Casimir, Manfred, to Daimler-Benz Aktiengesellschaft. Hydraulic shock absorber with adjustable valve biasing means. 3,256,960, 6–21–66, Cl. 188—87.

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Caskey, Kenneth C., to Kelsey-Hayes Co. Air cooled disk brakes. 3,277,985, 10–11–66, Cl. 188—264.

Caskey, Tom J., ½ to L. I. Kane. Security device. 3,260,079, 7–12–66, Cl. 70—25.

Casler, William A. Low-resistance connector. 3,259,727, 7–5–66, Cl. 200—155.

Casner, Burton L. Operator-propelled cycle. 3,282,606, 11–1–66, Cl. 280—239.

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Caspari, Georg K., to Burroughs Corp. Binary to decimal converter. 3,250,464, 5–10–66, Cl. 235—61.

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Casper, Engelhard, and H. Langanke, to Hans J. Zimmer, Verfahrenstechnik. Process for stretching synthetic threads. 3,248,772, 5–3–66, Cl. 28—72.

Casper, Ray K.: *See*—
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Caspers, James W., to United States of America, Navy. Radar random permutation scan method. 3,277,468, 10–4–66, Cl. 343—7.4.

Caspers, James W., and C. Nuese, to United States of America, Navy. General digital sequential detector. 3,281,834, 10–25–66, Cl. 343—5.

Cass, George R., to Canadian National Railway Co. Method and apparatus for dynamically weighing objects in motion. 3,276,525, 10–4–66, Cl. 177—1.

Cass, Joseph T. Self-closing magnetic plug. 3,283,905, 11–8–66, Cl. 210—222.

Cass, Kenneth A. Change bag. 3,261,387, 7–19–66, Cl. 150—37.

Cass, Louis G., and W. R. Marett, to Chrysler Corp. Foot operated dimmer switch with grommet for preventing interference by the floor covering. 3,253,094, 5–24–66, Cl. 200—86.5.

Cass, Richard: *See*—
Herbenar, Edward J., and Cass. 3,240,518.

Cass, Richard W., to Harvey Aluminum (Inc.). Method for the manufacture of heat dissipating pistons. 3,292,244, 12–20–66, Cl. 29—156.5.

Cassaday, Howard L., O. F. House, and J. F. Ryley, to Owens-Illinois Inc. Method of strengthening delivery points and stems of laboratory glassware. 3,258,972, 7–5–66, Cl. 73—425.4.

Cassady, Devon J., to Wildman Jacquard Co. Method of knitting pile fabric. 3,226,952, 1–4–66, Cl. 66—9.

Cassagne, Pierre, to Compagnie Francaise de Television. Colour television pick up systems. 3,250,854, 5–10–66, Cl. 178—5.4.

Cassand, Jean, G. De Soete, and J. Cholet, to Institut Francais du Petrole, des Carburants & Lubrifiants. Transmitting device for sound waves. 3,289,784, 12–6–66, Cl. 181—5.

Cassanmagnago, Ugo. Spray gun for two-component paints, with separate concentrical nozzles. 3,232,540, 2–1–66, Cl. 239—416.

Cassata, Antonio: *See*—
Natta, Giullo, Giannini, and Cassata. 3,257,365.

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Bell, Vincent G., Jr., Cassel, and Gwilliam. 3,291,505.

Cassel, Herbert P. Sampling device. 3,250,128, 5–10–66, Cl. 73—422.

Cassel, Reinhardt, to B. E. and H. Kampf, d.b.a. Firma Erwin Kampf Maschinenfabrik. Web stretching machine. 3,243,845, 4–5–66, Cl. 18—1.

Cassel, Thomas R.: *See*—
Madden, Joshua R., and Cassel. 3,294,278.

Cassel, Thomas R., to General Motors Corp. Exhaust system hanger. 3,270,992, 9–6–66, Cl. 248—60.

Cassel, Thomas R., and H. L. Redding, to General Motors Corp. Exhaust system hanger. 3,292,887, 12–20–66, Cl. 248—60.

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Cassidy, Bruce P.: *See*—
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Cassidy, Carl R., and A. J. Meyerhoff, to Burroughs Corp. Superconducting controlled inductance circuits. 3,275,930, 9–27–66, Cl. 323—44.

Cassidy, Eric, and E. J. Hilton. Cable securing device. 3,245,649, 4–12–66, Cl. 248—361.

Cassidy, Esther C., and D. H. Tsai, to United States of America, Commerce. Fast-operating, large-aperture shutter. 3,282,187, 11–1–66, Cl. 95—53.

Cassidy, Floyd L.: *See*—
Haeske, Don C., Cassidy, and Thompson. 3,266,924.

Cassidy, Harry J., and W. J. Haley, to Borg-Warner Corp. Compressor with liquid refrigerant injection means. 3,250,460, 5–10–66, Cl. 230—210.

Cassidy, Henry P.: *See*—
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Cassidy, Irwin B. Adjustable dial dispenser. 3,261,503, 7–19–66, Cl. 222—42.

Cassidy, John D.: *See*—
Bauer, Donald R., Cassidy, Hance, and Mullen. 3,261,424.

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Quammen, Milton L., Cassidy, Jordan, and Yoder. 3,246,533.

Cassidy, Robert J. Electrothermal motors. 3,280,550, 10–25–66, Cl. 60—23.

Cassidy, Uhle F.: *See*—
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Cassiers, Paul M., and R. M. Hart, to Gevaert Photo-Producten, N.V. Electrophotographic material. 3,240,594, 3–15–66, Cl. 96—1.
Cassiers, Paul M., and R. M. Hart, to Gevaert Photo-Producten, N.V. Electrophotographic material. 3,240,595, 3–15–66, Cl. 96—1.
Cassiers, Paul M., J. F. Willems, B. H. Tavernier, and R. M. Hart, to Gevaert Photo-Producten N.V. Photoconductive recording materials. 3,245,786, 4–12–66, Cl. 96—1.
Cassiers, Paul M., L. M. De Haes, G. L. Vanreusel, and J. F. Willems, to Gevaert Photo-Producten N.V. Method for heat development. 3,257,205, 6–21–66, Cl. 96—29.
Cassiers, Paul M., J. M. Nys, and J. F. Willems, to Gevaert Photo-Producten N.V. Electrophotographic material. 3,279,918, 10–18–66, Cl. 96—1.
Cassiers, Paul M., and R. J. Noe, to Gevaert Photo-Producten N.V. Electrophotographic material. 3,281,240, 10–25–66, Cl. 96—1.
Cassini, Genaro, to A & D Associates. Bed rest pillow. 3,273,174, 9–20–66, Cl. 5—327.
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Casson, Mordecai: *See*—
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Castagna, Arnaldo: *See*—
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Castaldo, Stanley C. Ladies' purse light with magnetic switch. 3,239,658, 3–8–66, Cl. 240—6.45.
Castan, Pierre, and C. Gandillon, to Stella S.A. Process for curing epoxy resins derived from 1,8-di-(1' oxyaryl-carbinol)-2-propanol. 3,281,494, 10–25–66, Cl. 260—832.
Casteel, Boyd B. Toilet tissue dispenser. 3,245,626, 4–12–66, Cl. 242—55.8.
Castellani, Eugene E., and R. D. De Mars, deceased (by D. De Mars, legal representative), to International Business Machines Corp. Cobalt-nickel alloy plating baths. 3,265,596, 8–9–66, Cl. 204—43.
Castellano, Anthony J., Jr., to Data-Control Systems, Inc. Voltage controlled multivibrator with increased frequency deviation. 3,249,893, 5–3–66, Cl. 331—113.
Castellano, Anthony J., Jr. Phase locked loop with increased phase linearity. 3,286,188, 11–15–66, Cl. 329—122.
Castellano, Carmin A., to Consolidated Molded Products Corp. Paper towel holder. 3,239,156, 3–8–66, Cl. 242—55.2.
Castellano, Joseph: *See*—
Mausner, Marvin L., Smith, and Castellano. 3,232,880.
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Castello, Anthony M., to The Coleman Co., Inc. Combination break-away service valve assembly. 3,282,292, 11–1–66, Cl. 137—614.
Castello, Anthony M., and F. W. Osborn, to The Coleman Co., Inc. Air distribution assembly for an electric baseboard heating system. 3,265,859, 8–9–66, Cl. 219—367.
Castello, Michael, and J. V. Makowski, to Ford Motor Co. Spring seat structure. 3,241,879, 3–22–66, Cl. 297—284.
Castenschield, Rene, to Automatic Switch Co. Cell-less relay for use on bus bars. 3,270,163, 8–30–66, Cl. 335—204.
Casteran, Jean: *See*—
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Castille, Jules E., to Ateliers Vancanson. Automatic electrical re-winding system for clockwork mechanisms, especially in railroad engine speed-recorders. 3,242,663, 3–29–66, Cl. 58—41.
Castillo, Luis A. Ear construction. 3,233,776, 2–8–66, Cl. 220—91.
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Castle, John W., Jr., to Eastman Kodak Co. Photoconductography employing reducing agents. 3,227,076, 1–4–66, Cl. 101—149.4.
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Castle, Lillian M., to Mine Safety Appliance Co. Sealing device for a safety suit. 3,262,129, 7–26–66, Cl. 2—270.
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Clawson, Philip E. 3,273,894.
Castle, Raymond N., to Smith Kline & French Laboratories. Phenylimidazo [4,5-D] pyridazines. 3,244,715, 4–5–66, Cl. 260—250.
Castle, Richard D., to Wilmot Castle Co. Method and apparatus for pressurizing a chamber. 3,246,947, 4–19–66, Cl. 21—56.
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Norris, J. T., and Castleman. 3,294,934.
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Castoe, John H. Caster and camber determining tool. 3,259,366, 7–5–66, Cl. 254—100.
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Bishop, Robert, Castor, Walker, and Word. 3,273,915.
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Castor, Edward E., C. R. Neilon, M. A. Walker, and W. W. Word, Jr., to Armco Steel Corp. Seal devices and wellhead members embodying the same. 3,268,241, 8–23–66, Cl. 285—139.
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Barabas, John J., Brindisi, and Lenart. 3,239,951.
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Castro, Fernando. Apparatus for storing and conveying fresh water within the sea. 3,230,967, 1–25–66, Cl. 137—236.
Castro, Peter S., and F. F. Stucki, to Lockheed Aircraft Corp. Thin film field sensor. 3,271,665, 9–6–66, Cl. 324—43.
Castro, William R., to Burroughs Corp. Centrifugal switch having a pair of spaced apart printed circuit contact plates. 3,231,696, 1–25–66, Cl. 200—80.
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Caswell, Arthur S., to I-T-E Circuit Breaker Co. Spring operator motor charging means. 3,234,804, 2–15–66, Cl. 74—118.
Caswell, Arthur S., and S. O. Rodeselke, to I-T-E Circuit Breaker Co. Spring operator means. 3,234,803, 2–15–66, Cl. 74—97.
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Caswell, John R., to United States of America, Army. Rise time enhancing reactor. 3,248,656, 4–26–66, Cl. 328—34.
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Catalano, Joseph. Folding gate with shove bolt. 3,285,323, 11–15–66, Cl. 160—152.
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Cannon, Howard S., Catalano, and O'Neill. 3,240,414.
Cataldo, John B., E. T. Platz, F. W. Kussy, and B. Di Marco, to I-T-E Circuit Breaker Co. Spring trip multi-phase overload relay having a U-shaped bimetal with a pivot pin at its web portion. 3,288,964, 11–29–66, Cl. 200—116.
Cataldo, John B., A. J. Kralik, F. W. Kussy, and R. W. Thomas, to I-T-E Circuit Breaker Co. Fuse protected electrical switch. 3,293,392, 12–20–66, Cl. 200—114.
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Catallo, Frank, to Samcoe Holding Corp. Drying of fabrics. 3,257,735, 6–28–66, Cl. 34—21.
Catallo, Frank, to Samcoe Holding Corp. Fabric feeding system. 3,265,270, 8–9–66, Cl. 226—175.
Catallo, Frank, and J. and E. Cohn, to Compax Corp. Method for compacting fabric. 3,235,933, 2–22–66, Cl. 26—18.6.
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Catania, Basilio, to Marelli Lenkurt S.p.A. Amplitude detecting device. 3,227,958, 1–4–66, Cl. 329—168.
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Searight, Charles E., Alexander, Ryan, and Labino. 3,294,558.
Searight, Charles E., Alexander, Ryan, and Labino. 3,294,559.
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Cater, Sarah L. 3,276,036.
Cater, Sarah L., deceased (by A. and H. Cater, executors), to Y. A. Dowell, and Y. A. Dowell, Jr. Patient's comfort gown. 3,276,036, 10–4–66, Cl. 2—114.
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Crawford, James L., and Staebler. 3,293,469.
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Hein, Allyn J., and Junck. 3,227,051.
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Kress, Ralph H. 3,250,526.
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Morris, Hugh C., Pearce, Ramsel, and Rohweder. 3,239,020.
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Cathcart, Thomas E., Jr., R. E. Moeller, and O. W. Stone, to Continental Paper Co. Collapsible full view display carton. 3,241,660, 3–22–66, Cl. 206—45.14.
Cathelin, Paul, and C. Van Den Burg, to Societe dite: Trefimetaux. Device having centrifugal force responsive means for the detection of faults in the insulating sheath of electric cables and the like. 3,265,966, 8–9–66, Cl. 324—54.
Cathers, George I., and J. C. Mailen, to United States of America, Atomic Energy Commission. Continuous-gas-phase volatility process. 3,275,422, 9–27–66, Cl. 23—325.
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Strobel, Albert F., and Catino. 3,275,462.
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Catland, Alfred C., to Byron Jackson, Inc. Power pipe tongs. 3,261,241, 7–19–66, Cl. 81—57.
Catlett, John C., to Roto-Swing Door Co., Inc. Automatic door operator. 3,237,932, 3–1–66, Cl. 268—65.
Catlett, John C., to Roto-Swing Door Co., Inc. Two way automatic door. 3,247,617, 4–26–66, Cl. 49—107.
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Catling, Harold, and I. Davies, to The Cotton Silk and Man-Made Fibres Research Assn. Control mechanism. 3,231,940, 2–1–66, Cl. 19—97.5.
Cato, Carl P., to Dacam Corp. Multi-path feed in a conveyor assembly. 3,272,298, 9–13–66, Cl. 193—36.
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Cattaneo, Jean-Pierre, to Rexall Drug and Chemical Co. Plastic tube having a collapsible wall portion and an uncollapsible wall portion. 3,252,625, 5–24–66, Cl. 222—107.
Cattaneo, Jean-Pierre, to Rexall Drug and Chemical Co. Method for fabricating tubes. 3,271,490, 9–6–66, Cl. 264—92.
Catterall, Eric, to Dunlop Rubber Co. Ltd. Polymerization of isoprene with a VCl_3-$Al(C_2H_5)_3$-diisopropyl ether catalyst. 3,290,279, 12–6–66, Cl. 260—94.3.
Catterall, William E., to Esso Research and Engineering Co. Heptene manufacture process. 3,255,273, 6–7–66, Cl. 260—683.15.
Cattermole, Lueder H., and H. A. Hogg, to Microwave Electronics Corp. Circuit fabrication method. 3,247,579, 4–26–66, Cl. 29—155.5.
Catterson, Robert K., to Briggs & Stratton Corp. Internal combustion engine governor. 3,242,741, 3–29–66, Cl. 73—522.
Catto, Kenneth A., and H. A. Campbell, Jr., to K.W.F. Industries, Inc. Automatic telephone answering apparatus. 3,230,312, 1–18–66, Cl. 179—6.
Catu, Pierre E. H., to Office Central de Gestion et de Controle O.G.E.C. Hydraulic winch with self-clamping jaws. 3,266,776, 8–16–66, Cl. 254—135.
Catu, Robert, to IPA International Patent- und Lizenzan-Stalt. High voltage probe apparatus with a plurality of discharge tube isolating spark gaps therein. 3,265,969, 8–9–66, Cl. 324—72.5.
Caudill, Louis O., to United States of America, Army. Apparatus for the automatic realinement of an optical system. 3,242,793, 3–29–66, Cl. 88—2.7.
Caudle, Peter G., and R. C. Snell, to The Distillers Co. Ltd. Reaction vessels. 3,243,169, 3–29–66, Cl. 261—74.
Caudle, Wayne S., to Mueller Co. Crimped tube joint. 3,244,441, 4–5–66, Cl. 285—374.
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Caughlin, Dan, to Texonia Industries, Inc. Cotton pre-compressor. 3,239,890, 3–15–66, Cl. 19—202.
Caul, Lawrence D., and J. R. O'Neil, Jr., to The Carborundum Co. Combined scrubbing and polishing pad. 3,254,357, 6–7–66, Cl. 15—118.
Cauley, Thomas K., to United States Steel Corp. System for correcting the shift of an electron-gun beam from the desired region of impingement. 3,244,855, 4–5–66, Cl. 219—121.
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Cauley, Thomas K., and J. I. Maher, to United States Steel Corp. Method and apparatus for coating strip material by vapor deposition. 3,253,945, 5–31–66, Cl. 117—106.
Caulkins, Bruce D.: *See*—
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Caunt, Anthony D., to Imperial Chemical Industries Ltd. Polymerisation of olefines. 3,243,420, 3–29–66, Cl. 260—93.7.
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Cauvin, Andre, to Societe Anonyme Simca Automobiles. Apparatus for driving the auxiliary driven devices of an internal combustion engine, particularly for an automobile. 3,283,527, 11–8–66, Cl. 62—183.
Cauvin, Andre, to Société Anonyme dite: Simca Automobiles. Rear-axle suspension system. 3,294,191, 12–27–66, Cl. 180—73.
Cavadini, Vittorio, and L. Telloli, to Aziende Colori Nazionali Affini-Acne S.p.A. Apparatus for the halogenation of metals. 3,236,608, 2–22–66, Cl. 23—285.
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Cavagnaro, William A., and R. Dally, to General Electric Co. Phonograph cartridge. 3,266,809, 8–16–66, Cl. 274—26.
Cavagnero, Erman V., to The Torrington Mfg. Co. Slab milling machine. 3,250,179, 5–10–66, Cl. 90—11.
Cavalier, Gilbert, to Institut de Recherches de la Siderurgie Francaise. Method of and apparatus for withdrawing samples from molten metal baths. 3,255,634, 6–14–66, Cl. 73—425.6.
Cavalla, John F., and J. Davoll, to Parke, Davis & Co. 1,2-dimethyl and 1.2.2 trimethyl-3-phenyl-3-propionxyloxy pyrrolidines. 3,256,297, 6–14–66, Cl. 260—326.3.
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Cave, Eric F., to Radio Corp. of America. Method of making a composite insulator semiconductor wafer. 3,290,760, 12–13–66, Cl. 29—155.5.

Cave, Robert L., to Buckeye Bait Corp. Food containers. 3,261,530, 7–19–66, Cl. 229—2.5.

Cavender, James V., Jr., to Monsanto Co. Recovery of polyolefins. 3,293,234, 12–20–66, Cl. 260—94.9.

Cavender, James V., Jr., and C. B. Howard, to Monsanto Co. Recovery of polyolefins. 3,293,235, 12–20–66, Cl. 260—94.9.

Caveney, Jack E., and R. A. Moody, to Panduit Corp. Strap tensioning tool. 3,254,680, 6–7–66, Cl. 140—93.2.

Caveny, Leonard H.: *See*—
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Cawley, James R., 50% to W. B. Terry. Material stripping machine. 3,251,629, 5–17–66, Cl. 299—37.

Cawley, William E.: *See*—
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Cawthon, Thomas M., B. C. Oxenrider, and L. C. Bostian, to Allied Chemical Corp. Process for the preparation of polycarbonates. 3,240,755, 3–15–66, Cl. 260—47.

Cayle, Theodore, to Baxter Laboratories, Inc. Stable papain derivative. 3,284,316, 11–8–66, Cl. 195—63.

Caylor, Ollie R., and J. M. Feighery, to Tex Del Corp. Fringe-forming machine. 3,261,311, 7–19–66, Cl. 112—64.

Cayo, Alven A. Snap action switch having contact mounted on concavo-convex portion of snap blade. 3,261,936, 7–19–66, Cl. 2—67.

Cayo, Julius N. Withholding tax computer. 3,282,502, 11–1–66, Cl. 235—88.

Caypinar, Erol Y. Convertible intravenous armboard. 3,256,880, 6–21–66, Cl. 128—133.

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Caywood, William P., and R. S. Kush, to Mine Safety Appliances Co. Charging and discharging circuit for ventricular defibrillator. 3,241,555, 3–22–66, Cl. 128—421.

Cayzac, Jacques, to North American Philips Co., Inc. Automatic frequency stabilizing circuit. 3,231,820, 1–25–66, Cl. 325—148.

Caza, Roger M. Ink fountain roller interrupting means. 3,274,932, 9–27–66, Cl. 101—351.

Cazalis, Jean-Pierre, and J. Vertut, to Commissariat a l'Energie Atomique. Interchangeable sealing device for joining a detachable component to a rigid wall. 3,267,614, 8–23–66. Cl. 49—488.

Cazalis, Jean-Pierre, G. Lefort, and J. Rouillard, to Commissariat a l'Energie Atomique. Leak-tight coupling device for master-slave manipulator. 3,289,485, 12–6–66, Cl. 74—18.2.

Cazalis, Jean-Pierre, and G. Lefort, to Commissariat a l'Energie Atomique. Device for providing a leak-tight coupling between two sealed enclosures. 3,289,698, 12–6–66, Cl. 137—614.01.

Cazier, John M., to The Garrett Corp. Gas turbine with pulsating gas flows. 3,292,364, 12–20–66, Cl. 60—13.

Cease Central, Inc.: *See*—
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Cease, William W. 3,244,537.
Cease, William W. 3,247,988.
Cease, William W. 3,268,102.

Cease, William W., to Cease Central, Inc. Food package and method of packaging and serving the same. 3,240,610, 3–15–66, Cl. 99—171.

Cease, William W., to Cease Central, Inc. Apparatus for dispensing and inverting food packages. 3,241,709, 3–22–66, Cl. 221—150.

Cease, William W., to Cease Central, Inc. Method for preparing and serving combinations of food items. 3,244,537, 4–5–66, Cl. 99—192.

Cease, William W., to Cease Central, Inc. Apparatus for serving previously prepared food. 3,247,988, 4–26–66, Cl. 214—301.

Cease, William W., to Cease Central, Inc. Apparatus for dispensing and inverting food packages. 3,268,102, 8–23–66, Cl. 214—314.

Cebula, Thomas J. Irrigation hose holder. 3,233,627, 2–8–66, Cl. 137—561.

Cecere, Anthony R. Vacuum centrifugal jewelry making machine. 3,280,434, 10–25–66, Cl. 22—65.

Cech, Miloslav, to Elitex, Sdruzeni podniku textilniho strojirenstvi. Stuffing box crimper. 3,292,230, 12–20–66, Cl. 28—1.

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Goldberg, Morris M., Allegrini, and Cecil. 3,282,435.

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Cederberg, Howard R.: *See*—
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Cederberg, Howard R., and W. C. Bortzfield, to Midwestern Instruments, Inc. Belt bias compensator for magnetic tape drive. 3,251,235, 5–17–66, Cl. 74—240.

Cederberg, Howard R., and W. C. Bortzfield, to Midwestern Instruments, Inc. Pressure adjustment mechanism for magnetic tape capstan. 3,257,056, 6–21–66, Cl. 226—176.

Cederberg, Howard R., to Midwestern Instruments, Inc. Magnetic tape guide mechanism. 3,257,057, 6–21–66, Cl. 226—199.

Cedergreen, Clarice R. Apparatus for handling frozen foods. 3,231,010, 1–25–66, Cl. 165—48.

Cederleaf, Robert H. Automatic die clamping mechanism for power presses. 3,285,115, 11–15–66, Cl. 83—698.

Cedrone, Nicholas J. Electronic component testing device. 3,234,496, 2–8–66, Cl. 339—12.

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Ceglia, Michael, to The Atlantic Refining Co. Sensor switch for use with apparatus for determining the softening point of bituminous materials. 3,242,277, 3–22–66, Cl. 200—52.

Ceglia, Michael J. Glare-free lighting fixture. 3,234,376, 2–8–66, Cl. 240—106.

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Celeste, Jack R., and S. Seide, to E. I. du Pont de Nemours and Co. Photopolymerizable compositions and elements. 3,261,686, 7–19–66, Cl. 96—115.

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Del Giudice, Henry-Anthony, and Wood. 3,235,835.

Cella, Joseph F., to Cesco Container Mfg. Corp. Case bottom construction. 3,250,430, 5–10–66, Cl. 220—73.

Cella, Joseph F., D. M. Guidi, and G. L. Bliss, to Cesco Containers Mfg. Corp. Apparatus for transferring articles. 3,250,371, 5–10–66, Cl. 198—21.

Cella, Richard T. Air borne lifting vehicle. 3,232,562, 2–1–66, Cl. 244—30.

Celleco, Aktiebolaget: *See*—
Javorsky, Bronislav S., and Andersson. 3,261,661.
Skardal, Warl A. 3,277,926.

Cellerini, Albert R., and J. Majcher, to Westinghouse Electric Corp. Multipole circuit interrupting device having a removable fuse unit with a common unitary tripping bar. 3,248,500, 4–26–66, Cl. 200—114.

Cellerini, Albert R., and L. N. Ricci, to Westinghouse Electric Corp. Circuit interrupter structure with improved terminal means. 3,287,534, 11–22–66, Cl. 200—168.

Cello Chemical Co., The: *See*—
Okun, Nathaniel N. 3,270,361.

Cellu-Kote, Inc.: *See*—
Bauer, Gerald C. 3,244,354.
Bauer, Gerald C. 3,244,379.

Celmer, Walter D., to Chas. Pfizer & Co., Inc. 3-cyclohexene-1-glyoxylic acid, salts and esters. 3,271,439, 9–6–66, Cl. 260—468.

Celmer, Walter D., and L. G. Nickell, to Chas. Pfizer & Co., Inc. Process for producing antibiotic PA–180. 3,268,418. 8–23–66, Cl. 195—80.

Celniker, Leo, S. J. Smyth, and I. H. Culver, to Lockheed Aircraft Corp. Hybrid aircraft. 3,246,862, 4–19–66, Cl. 244—7.

Celotex Corp., The: *See*—
Cotta, Ronald F. 3,250,633.
Gaines, Eugene F. 3,268,717.
Kohl, Lou. 3,274,310.
Pipyne, Reinoldas. 3,292,273.
Zimmerman, Girard J. 3,266,926.

Celovsky, Michael J. Broach and method of repairing the same. 3,227,008, 1–4–66, Cl. 76—101.

Cels, Andre M. J. Device for cleaning or de-icing a surface of a solid body, in particular windscreen wiper for windscreen. 3,238,555, 3–8–66, Cl. 15—250.4.

Cementation Co., Ltd., The: *See*—
Williams, David R. 3,294,563.

Cenci, Harry J., and M. J. Hurwitz, to Rohm & Haas Co. Processing and stabilizing aids for vinyl chloride resins. 3,284,545, 11–8–66, Cl. 260—899.

Cenco Instruments Corp.: *See*—
Le Blanc, Joseph A., Jr. 3,237,851.

Cenegy, Louis F., to Hitco. Casket formed from composite plastic layers. 3,283,386, 11–8–66, Cl. 27—3.

Cenitch, Eugene, J. E. Lundberg, and R. A. Watson, to International Business Machines Corp. Inertial sensor. 3,270,566, 9–6–66, Cl. 74—5.6.

Cenker, John. Device for lowering a weighted object. 3,235,031, 2–15–66, Cl. 182—5.

Centner, Ronald, and W. J. Sanders, to The Bendix Corp. Plural motor dual speed positioning system transition control. 3,246,218, 4–12–66, Cl. 318—8.

Centner, Ronald M., to The Bendix Corp. Cutter radius offset system for numerically controlled machines. 3,270,186. 8–30–66, Cl. 235—151.11.

Centofanti, Olin S.: *See*—
Long, Bernard C., and Centofanti. 3,286,098.

Central Dynamics Ltd.: *See*—
Ross, John D. 3,290,519.

Central Electricity Generating Board: *See*—
Pulfer, Robert F. 3,244,085.

Central Mine Equipment Co.: *See*—
Rassieur, Charles L. 3,241,624.

Central National Bank of Cleveland, The: *See*—
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Central Research Laboratories, Inc.: *See*—
Haaker, Lester W. 3,277,980.
Haaker, Lester W., Jelatis, and Jennrich. 3,261,460.
Haaker, Lester W., Jelatis, and Jennrich. 3,261,480.
Jelatis, Demetrius G., Olsen, and Haaker. 3,260,530.

Central Scrap Metal Co., Inc.: *See*—
Huggins, William H. 3,249,860.

Central Soya Co., Inc.: *See*—
Circle, Sidney J., and Meyer. 3,268,335.
Williams, Meri A. 3,284,211.

Central States Paper & Bag Co.: *See*—
Abramson, Elmer D. 3,285,407.
Jacoby, Edward G., Sr. 3,242,923.

Central Transformer Corp.: *See*—
Carlson, Charles J., Jr., and Farmer. 3,275,890.
Cooper, Alfred S. 3,253,439.
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Central Trust Co., The: *See*—
Judge, Leo F., and Kooyman. 3,281,366.

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Bosteels, Henri M. L. 3,242,310.
Bosteels, Henri M. L. 3,262,623.
Bosteels, Henri M. L. 3,263,060.

Centralny Osrodek Kontrukcyjno-Badawczy: *See*—
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Centre de Recherches de Pont-a-Mousson: *See*—
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Bram, Georges E. 3,236,528.
Brunot, Jean-Paul. 3,274,857.
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Lorang, Pierre E. 3,265,410.
Mariot, Rogert O. E. 3,279,092.

Centre d'Etude de l'Energie nucleaire (C.E.N.) Studiecentrum voor Kernenergie: *See*—
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Centre d'Etudes et de Recherches Pour La Documentation Automatique (C.E.R.D.A.), The: *See*—
Baillod, Philippe C. V. 3,267,800.

Centre Electronique Horloger S.A.: *See*—
Hetzel, Max. 3,261,158.
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Centre Experimental de Recherches et d'Etudes du Batiment et des T.P.: *See*—
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Centre National de la Recherches: *See*—
Rioux, Christian P. G. 3,270,228.

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Benardeau, Xavier, and Marchal. 3,228,316.
Dupuy, Odette M. M., Marechal, Renault, Lostis, and Simon. 3,232,165.
Gartner, Elie. 3,256,450.
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Centre Nationale de la Recherche Scientifique, Miniatere de l'Education Nationale: *See*—
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Centre Scientifique et Technique de l'Industrie Textile Belge, Associations sans But Lucratif: *See*—
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Centromint Co.: *See*—
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Century Mfg. Co.: *See*—
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Cen-Vi-Ro Corp.: *See*—
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Cen-Vi-Ro Pipe Corp.: *See*—
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Ceonzo, Joseph A., L. Stambler, and A. Weiss, to United States of America, Army. Register position in a multi-stage switching network. 3,290,446, 12–6–66, Cl. 179—18.

Ceparano, Victor, and M. Schnee, to United States of America, Air Force. Oil film vibration table. 3,242,724, 3–29–66, Cl. 73—71.6.

Cepluch, Dale B. Portable bowling alley. 3,260,524, 7–12–66, Cl. 273—51.

Cepon, John R., to Anchor Coupling Co., Inc. Manufacture of bent tubes with flare couplings. 3,292,404, 12–20–66, Cl. 72—150.

Cera, Albert: *See*—
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Cerar, Joseph F., and C. E. Cook, to Sperry Rand Corp. Electronic means for suppressing range side lobes of a compressed pulse signal. 3,281,842, 10–25–66, Cl. 343—17.2.

Cerasani, Americo J., W. G. Lewis, and M. Davis, to Xerox Corp. Document conveyor. 3,245,311, 4–12–66, Cl. 88—24.

Cerberus AG.: *See*—
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Cerchi, Julio C. Bed-forming seating device. 3,283,341, 11–8–66, Cl. 5—17.

Cercone, Daniel. Shears. 3,250,001, 5–10–66, Cl. 30—195.

Cercone, Daniel. Shears. 3,257,723, 6–28–66, Cl. 30—195.

Cerf, Donald B. Orthopedic chair. 3,288,525, 11–29–66, Cl. 297—284.

Cerf, Gustave D., to Sperry Rand Corp. High speed printing device for printing characters of different physical sizes. 3,282,204, 11–1–66, Cl. 101—93.

Cerf, Gustave D., to Sperry-Rand Corp. Synchronized and coded character recognition system. 3,283,303, 11–1–66, Cl. 340—146.3.

Ceriotti, John J., to A. Peru. Anti-bacterial chemical process. 3,282,777, 11–1–66, Cl. 167—43.

Cerisano, Francis E. Holder for soldering irons and the like. 3,294,348, 12–27–66, Cl. 248—44.

Cerles, Georges F. Stuffing box construction. 3,294,243, 12–27–66, Cl. 210—402.

Cerles, Georges, and P. Audemar, to Pechiney, Compagnie de Produits Chimiques et Electrometallurgiques and Societe Alsacienne de Constructions Mecaniques. Drive regulating mechanisms. 3,286,465, 11–22–66, Cl. 60—54.5.

Cermak, Warren C., and A. P. Limbach, to Union Carbide Corp. Molded body support. 3,261,037, 7–19–66, Cl. 5—351.

Cermenaro, Alfred A.: *See*—
Cermenaro, Dominic A. and A. A. 3,242,579.

Cermenaro, Dominic A. and A. A. Ball joint gage for front end wheel suspensions. 3,242,579, 3–29–66, Cl. 33—169.

Cerness, Joseph F., M. L. Selker, and B. L. Berdan, to Clevite Corp. Iron coating for refractory metal. 3,282,809, 11–1–66, Cl. 204—37.

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Cerone, Carmine N. Fluid distribution valve. 3,238,971, 3–8–66, Cl. 137—614.11.

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Certa, Anthony J., and A. E. Watkins, to Philco Corp. Method for fabricating a rectifying connection to a body of N-type germanium, solder for forming a rectifying connection in a body of N-type germanium, and semiconductor device comprising a rectifying connection to a body of N-type germanium. 3,240,630, 3–15–66, Cl. 148—1.5.

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Rosenberg, David J. 3,242,527.

Certain-Teed Products Corp.: *See*—
Johnson, Helge C. 3,241,692.
Johnson, Helge C. 3,247,981.
Johnson, Helge C., and Beggin. 3,267,713.

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Cervelle, Claude M. H. Method of extracting hypocholesterolemic flavonic derivatives from *lespedeza capitata* leaves. 3,294,637, 12–27–66, Cl. 167—65.

Cervenka, Adolph J. Turbojet-liquid air rocket and fuel system. 3,229,459, 1–18–66, Cl. 60—35.6.

Cervenka, Joseph J., to M. E. Hetzel. Machine for applying lugs. 3,266,695, 8–16–66, Cl. 227—96.

Cerveny, Walter J., to The Hickok Electrical Instrument Co. Bridge apparatus for determining the input resistance and beta figure for an in-circuit transistor. 3,227,953, 1–4–66, Cl. 324—158.

Cerwonka, Thomas C., to Hercules Powder Co. Booster device. 3,276,372, 10–4–66, Cl. 102—24.

Cesare, Frank C., and C. W. Childers, to United States Rubber Co. Cobaltous halide-aluminum-mercuric halide or hydrogen halide-aromatic solvent reaction products catalyst for the polymerization of olefins. 3,230,209, 1–18–66, Cl. 260—94.3.

Cesari, Giulio, to Monte Amiata, Societa Mineraria per Azioni. Line flask for mercury. 3,286,836, 11–22–66, Cl. 206—84.

Cesca, Sebastiano: *See*—
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Cesco Containers Mfg. Corp.: *See*—
Cella, Joseph F. 3,250,430.
Cella, Joseph F., Guidi, and Bliss. 3,250,371.

Československá akademie věd: *See*—
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Miller, Wendell E. 3,238,724.

Cestaro, Joseph M.: *See*—
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Cetrangolo, Dolivio L. Automatic surface treating machine. 3,254,454, 6–7–66, Cl. 51—56.

Ceyer, Alfons W., and L. Jaras, to American Seal-Kap Corp. of Delaware. Sliding door collapsible edge guard. 3,256,638, 6–21–66, Cl. 20—23.

Ceyzeriat, Louis, to Phone-Poulenc S.A. Vulcanizable organopolysiloxane compositions and vulcanized products obtained therefrom. 3,264,258, 8–2–66, Cl. 260—46.5.

Ceyzeriat, Louis F., to Societe des Usines Chimiques Rhone-Poulenc. Curing organopolysiloxanes with a combination of trichloroacetic acid and dibutyl tin dilaurate. 3,231,527, 1–25–66, Cl. 260—18.

Chabala, Leonard V., to S & C Electric Co. Pressure relief means. 3,299,848, 1–18–66, Cl. 220—89.

Chabassier, Roger, P. Chaffiotte, and J. Megret, to Commissariat a l'Energie Atomique. Device for operating a movable trolley. 3,267,875, 8–23–66, Cl. 104—162.

Chaber, Morton D., and J. F. Friden, to Ronson Corp. Spout structure. 3,265,256, 8–9–66, Cl. 222—534.

Chaboseau, Jean, to Brown, Boveri & Cie, Aktiengesellschaft. Gas turbine adapted for partial activation. 3,288,434, 11–29–66, Cl. 253—78.

Chaboseau, Jean C., to Brown, Boveri & Cie, Aktiengesellschaft. Gas-lubricated bearings. 3,281,115, 10–25–66, Cl. 253—39.

Chabot, Leo L., to Draper Corp. Bobbin doffing mechanism. 3,287,889, 11–29–66, Cl. 57—53.

Chabrier, Henri P., and A. Saint-Joanis, to Societe d'Electro-Chimie, d'Electro-metallurgie et des acieries electriques d'Ugine. Valves actuated by fluid under pressure. 3,242,946, 3–29–66, Cl. 137—625.65.

Chabrier, Henri P., and A. Saint Joanis, to Societe d'Electro-Chemie, d'Electro-Metallurgie et des Acieries electriques d'Ugine. Fluid-actuated oscillators. 3,291,949, 1–18–66, Cl. 137—624.14.

Chabrier de Lassauniere, Pierre E.: *See*—
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Chaconas, Peter G. Dewar flash holder. 3,229,949, 1–18–66, Cl. 248—346.1.

Chadbourne, Gilbert R., to Keyes Fibre Co. Molded pulp packaging unit. 3,286,833, 11–22–66, Cl. 206—65.

Chadbourne, William H., R. E. Ulrey, and A. C. Helfrich, to Fiberfil, Inc. Continuous reactor. 3,252,766, 5–24–66, Cl. 23—284.

Chade, Yamil, and G. G. Volpe. Child's musical mattress and support thereof. 3,235,891, 2–22–66, Cl. 5—109.

Chadenson, Lucien, and N. Esquillan, to Safege-Transport, Societe Anonyme. Track support for suspension railways. 3,236,193, 2–22–66, Cl. 104—94.

Chadha, Rajendra N.: *See*—
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Chadha, Rajendra N., to W. R. Grace and Co. Process for polymerizing vinyl and acrylic esters with allyl acrylate wherein an aluminum alkyl and oxygen are used as catalysts. 3,284,422, 11–8–66, Cl. 260—80.5.

Chadha, Rajendra N., and T. E. Ferington, to W. R. Grace & Co. Two stage polymerization process involving non-gaseous vinyl monomers with aluminum alkyls and a,a'-azobisisobutyronitrile. 3,282,900, 11–1–66, Cl. 260—78.5.

Chadwick, Albert F., to E. I. du Pont de Nemours and Co. Production of amine oxides. 3,283,007, 11–1–66, Cl. 260—583.

Chadwick, Albert F., and H. D. Terhune, to E. I. du Pont de Nemours and Co. Oxidation of sulfur dyes on cotton using hydrogen peroxide solutions. 3,278,254, 10–11–66, Cl. 8—37.

Chadwick, Alexander, to Chrysler Corp. Control mechanism for adjustable gas turbine nozzle. 3,252,686, 5–24–66, Cl. 253—59.

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Chadwick, Eric M., and R. S. Moreton, to Imperial Chemical Industries Ltd. Corrosion restraining compositions. 3,277,011, 10–4–66, Cl. 252—149.

Chadwick, Eric W. Light fixture. 3,255,345, 6–7–66, Cl. 240—47.

Chadwick, Stephen F., to E. I. du Pont de Nemours and Co. Apparatus for guiding a textile tow. 3,231,958, 2–1–66, Cl. 28—1.

Chafaris, George J., to General Electric Co. Recording method and apparatus employing a deformable recording medium. 3,239,840, 3–8–66, Cl. 346—74.

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Chafee, Glenn R., Jr., to General Electric Co. Control system having a magnetic switch latching arrangement. 3,229,381, 1–18–66, Cl. 34—45.

Chafee, Glenn R., Jr., to General Electric Co. Dryness sensor for automatic fabric drying machine. 3,290,587, 12–6–66, Cl. 324—58.5.

Chafee, Glenn R., Jr., and E. F. Pierce, Jr., to General Electric Co. Automatic dryer control system. 3,238,636, 3–8–66, Cl. 34—45.

Chafetz, Harry, and J. A. Patterson, to Texaco Inc. Carbonylation process. 3,282,993, 11–1–66, Cl. 260—533.

Chaffee, Roger G., to Dow Corning Corp. Polysilylbenzene compounds. 3,280,073, 10–18–66, Cl. 260—46.5.

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Chaignon, Roger: *See*—
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Chaikin, Malcolm, and A. Dircks. Method and apparatus for treating slivers of wool or other fibers. 3,263,279, 8–2–66, Cl. 19—66.

Chaikin, Malcolm, and A. Samson, to Unisearch Ltd. Device for treating a mass of loose fibers. 3,270,532, 9–6–66, Cl. 68—45.

Chaikin, Saul W., to Stanford Research Institute. Electrical-contact failure inhibition. 3,238,342, 3–1–66, Cl. 200—166.

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Chaivre, John L.: *See*—
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Chakeres, John B. Adjustable clamp. 3,236,487, 2–22–66, Cl. 248—244.

Chakoian, George, R. T. Crowell, and A. Ouellette, to United States of America, Navy. Air-drag apparatus for missiles. 3,228,634, 1–11–66, Cl. 244—113.

Chakroff, Richard O. Coupling having concentric spherical surfaces sealed by line contact. 3,273,917, 9–20–66, Cl. 285—263.

Chalfant, Frederic E., and G. E. Perkins, to Leesona Corp. Apparatus for processing yarn. 3,292,354, 12–20–66, Cl. 57—34.

Chalfin, Albert, and R. J. Brachman. Computer-controlled test apparatus for composite electrical and electronic equipment. 3,237,100, 2–22–66, Cl. 324—73.

Chalfin, Albert, and M. Schneider, to United States of America, Army. Electronic systems keyboard and switch matrix. 3,293,640, 12–20–66, Cl. 340—365.

Chalfin, Norman L.: *See*—
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Chalfin, Norman L. Time-controlled signal actuated switch for a slide projector. 3,276,315, 10–4–66, Cl. 88—28.

Chalk, Alan J., and J. F. Harrod, to General Electric Co. Process for reaction of silanic hydrogen with unsaturated organic compounds. 3,271,362, 9–6–66, Cl. 260—46.5.

Chalk, Graeme O., to English Electric Valve Co. Ltd. Ultra low noise travelling wave tube having a grid voltage arrangement that includes pre-set potentiometer. 3,293,479, 12–20–66, Cl. 315—3.5.

Chalker, Oliver H., Jr., G. J. Yagusic, and W. E. O'Connor, to Control Data Corp. System and apparatus for automatic data collection. 3,268,870, 8–23–66, Cl. 340—172.5.

Chalkley, Brian: *See*—
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Chalkley, Lyman. Photographic process for forming visible dye cyanide images. 3,236,648, 2–22–66, Cl. 96—48.

Chall, Harold J., to Friden, Inc. Accumulator drive. 3,253,779, 5–31–66, Cl. 235—60.

Chall, Harold J., to Friden Inc. Calculating machine. 3,260,448, 7–12–66, Cl. 235—60.18.

Chall, Harold J., to Friden, Inc. Transfer mechanism for a calculating machine. 3,283,999, 11–8–66, Cl. 235—137.

Chall, Harold J., and C. G. Olson, to Friden, Inc. Division control for calculating machine. 3,285,510, 11–15–66, Cl. 235—60.

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Challender, Ronald S., and D. R. Poulter, to United Kingdom Atomic Energy Authority. Moderator structures for nuclear reactors including a unitary header tank. 3,247,070, 4–19–66, Cl. 176—30.

Challenge-Cook Bros., Inc.: *See*—
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Westra, Dan P. 3,288,062.

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Chalmers, Alexander A., to Brixite Mfg. Co., a division of National Distillers and Chemical Corp. Gutter hanger. 3,239,172, 3–8–66, Cl. 248—48.2.

Chalmers, Alexander A., to Brixite Mfg. Co., Inc. Metal siding. 3,282,009, 11–1–66, Cl. 52—531.

Chalmers, John R., to E. I. du Pont de Nemours and Co. Coating compositions comprising aromatic polyamic acid and solvent therefor with viscosity stabilizing agent therefor. 3,242,128, 3–22–66, Cl. 260—32.6.

Chalmers, John W., to The Molins Organisation. Packings. 3,273,780, 9–20–66, Cl. 229—37.

Chalmers, William, A. C. Wood, and A. J. Shaw, to Eversharp, Inc. Treatment of inflammatory diseases. 3,294,639, 12–27–66, Cl. 167—65.

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Chalpin Edward S., to Metal Bellows Corp. Flexible shaft coupling. 3,233,428, 2–8–66, Cl. 64—15.

Chalpin, Stephen F.: *See*—
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Chalup, Ludwig. Vegetation cutting tool. 3,279,063, 10–18–66, Cl. 30—253.

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Chamberlain, Donald M., and N. H. Savoie, to Radio Corp. of America. Memory construction. 3,237,173, 2–22–66, Cl. 340—174.

Chamberlain, Earl L., and J. M. Kiefer, to United States Steel Corp. Rod-laying reel with spacer bars. 3,229,968, 1–18–66, Cl. 266—6.

Chamberlain, Ray, and J. A. Fuchs, Jr., to Pitney-Bowes, Inc. Document handling apparatus. 3,240,089, 3–15–66, Cl. 83—1.

Chamberlain, Theron R.: *See*—
Alexanderson, Howard A., and Chamberlain. 3,263,623.

Chamberlin, Coleman R. Flexible paper fastener. 3,261,066, 7–19–66, Cl. 24—153.

Chamberlin, Coleman R. Sectional desk organizer. 3,269,547, 8–30–66, Cl. 211—11.

Chamberlin, Coleman R. Multi-purpose retention clip. 3,275,003, 9–27–66, Cl. 129—16.7.

Chamberlin, Donald W.: *See*—
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Anderson, Gerald R., and Chamberlin. 3,259,159.
Hickey, Frank D., Adams, Hirahara, Anderson, and Chamberlin. 3,246,677.

Chamberlin, Donald W., to FMC Corp. Fruit preparation machine. 3,244,296, 4–5–66, Cl. 214—1.

Chamberlin, Donald W., to FMC Corp. Fruit transfer device. 3,252,560, 5–24–66, Cl. 198—26.

Chamberlin, George P., to Radio Corp. of America. Flip-flop having jam transfer feature. 3,254,239, 5–31–66, Cl. 307—88.5.

Chamberlin, Harry C., to Chamberlin Instrument Co., Inc. Musical instrument with record type tone generator. 3,250,847, 5–10–66, Cl. 84—1.28.

Chamberlin, Harry C. Electrical musical instrument having pre-recorded tape for tone generation. 3,272,907, 9–13–66, Cl. 84—1.28.

Chamberlin, Harry C. Multi-tape reproducer with single pick-up head. 3,278,188, 10–11–66, Cl. 274—11.

Chamberlin Instrument Co., Inc.: *See*—
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Chamberlin, Walter S., to Consolidated Electrodynamics Corp. Clock circuit. 3,237,077, 2–22–66, Cl. 320—1.

Chamberlin, William G. Chance device. 3,237,949, 3–1–66, Cl. 273—144.

Chambers, Arthur E. Safety razor. 3,283,403, 11–8–66, Cl. 30—60.5.

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Barringer, Earl T., Chambers, Choly, Spaulding, and Teno. 3,276,984.
Spaulding, Robert A., Agresta, Dolan, Matrille, Teno, and Chambers. 3,276,978.

Chambers, Edwin G., and K. W. Fisher, to Western Electric Co., Inc. Methods of assembling electrical components with circuits. 3,287,795, 11–29–66, Cl. 29—155.5.

Chambers, Francis H.: *See*—
Vance, Norman W., and Chambers. 3,241,276.

Chambers, Francis T., III, and E. S. Kinney, to Lockheed Aircraft Corp. Resonant reed motion detector. 3,287,720, 11–22–66, Cl. 340—248.

Chambers, Frank H., and E. L. Beach, to Technical Rubber Co., Inc. Tire-repair inserting tool. 3,257,875, 6–28–66, Cl. 81—15.7.

Chambers, Henry B., to Lear Siegler, Inc. Hydraulic jack. 3,267,818, 8–23–66, Cl. 92—17.

Chambers, Howard L., and W. E. Leek, to Remington Arms Co., Inc. Drop fire prevention mechanism. 3,255,545, 6–14–66, Cl. 42—70.

Chambers, James C. Article dispenser with rotatably mounted magazines. 3,294,284, 12–27–66, Cl. 221—120.

Chambers, James W., to Douglas Aircraft Co. Inc. Interlocking welded joint. 3,268,248, 8–23–66, Cl. 285—286.

Chambers, John T., to American Radiator & Standard Sanitary Corp. Thermometer. 3,267,733, 8–23–66, Cl. 73—362.

Chambers, Ondas S. Dental floss holder. 3,289,681, 12–6–66, Cl. 132—92.

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Gurda, Richard J. 3,290,796.

Chambers, Robert W., to Radio Corp. of America. Tape control apparatus. 3,231,163, 1–25–66, Cl. 226—95.

Chambers, Torrence H. Phase rotation system for use in velocity cancellation moving target radar systems. 3,274,591, 9–20–66, Cl. 343—7.7.

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Howland, Louis H., Chambers, and MacFarlane. 3,272,767.

Chambers, Warren D.: *See*—
Braden, Junior T., Chambers, and Woo. 3,279,280.

Chambers, Warren D., and G. P. Deverling, to The Bendix Corp. Solar energy collector means. 3,247,840, 4–26–66, Cl. 126—270.

Chambers, William H. Knife implement. 3,273,191, 9–20–66, Cl. 15—105.

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Chambers, William W., to Robertshaw Controls Co. Temperature control arrangements. 3,254,838, 6–7–66, Cl. 236—68.

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Wolter, Gilbert R., Chambers, and Ritter. 3,280,351.

Chambers, Worthy L., and J. A. Wright, to Sunbeam Corp. Mixer. 3,271,013, 9–6–66, Cl. 259—131.

Chambers, Worthy L., and G. R. Wolter, to Sunbeam Corp. Hair drier. 3,274,040, 9–20–66, Cl. 156—258.

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Chambless, Louis S.: *See*—
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Chambon, Louis J., to Societe d'Etudes de Machine Speciales. Apparatus for conveying objects at different levels. 3,243,032, 3–29–66, Cl. 198—84.

Chambon, Louis J., to Societe d'Etudes de Machines Speciales. Wiper roll inking device for printing machines using fatty inks. 3,283,712, 11–8–66, Cl. 101—350.

Chamot, Walter M., to Nalco Chemical Co. Antioxidants for cracked petroleum distillates, especially gasoline. 3,269,810, 8–30–66, Cl. 44—62.

Chamot, Walter M., and B. H. Robin, to Nalco Chemical Co. Water-soluble polymers and copolymers. 3,278,506, 10–11–66, Cl. 260—89.7.

Champ Corp.: *See*—
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Champa, Joseph A.: *See*—
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Champagnat, Alfred, to The British Petroleum Co. Ltd. of Britannic House. Hydrocatalytic refining of lubricating oils. 3,245,903, 4–12–66, Cl. 208—264.

Champagnat, Alfred, and C. de Mayo, to The British Petroleum Co. Ltd. Process for the production of yeasts. 3,257,280, 6–21–66, Cl. 195—3.

Champagnat, Alfred, and B. M. Laine, to The British Petroleum Co. Ltd. Process for rupturing micro-organism cells grown on hydrocarbon feedstock. 3,268,412, 8–23–66, Cl. 195—3.

Champagnat, Alfred, and B. Laine, to The British Petroleum Co. Ltd. Cultivation of micro-organisms on a feedstock consisting at least in part of a straight chain hydrocarbon. 3,268,419, 8–23–66, Cl. 195—82.

Champagne, Emory C.: *See*—
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Champion, Ronald H., to Eclipse Fuel Engineering Co. By-pass gas meter bar and key actuator therefor. 3,238,969, 3–8–66, Cl. 137—599.1.

Champion, Ronald H., to Eclipse Fuel Engineering Co. Tamper-proof control for a by-pass type meter bar. 3,289,696, 12–6–66, Cl. 137—599.1.

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Champion, William M., and S. C. Sanders, to E. I. du Pont de Nemours and Co. Method of uniting polyethylene terephthalate apparel stays to fabrics. 3,261,313, 7–19–66, Cl. 112—265.

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Lewis, Clarence A., Jr., and O'Brien. 3,276,648.
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Hubbard, David C., Cagle, Fink, and Le Vee. 3,287,491.

Chance, Leon H., G. L. Drake, Jr., and W. A. Reeves, to United States of America, Agriculture. Methylol derivatives of tris(2-carbamoylethyl)phosphine oxide. 3,250,811, 5–10–66, Cl. 260—561.

Chance, Leon H., W. A. Reeves, and G. L. Drake, Jr., to United States of America, Agriculture. Process of treating cellulosic textiles with N-methylol derivatives of tris(2-carbamoylethyl) phosphine oxide and products thereof. 3,268,292, 8–23–66, Cl. 8—116.3.

Chance, Leon H., W. A. Reeves, and G. L. Drake, Jr., to United States of America, Agriculture. Tris(2-carbamoylethyl)-phosphine and its methylol derivatives. 3,270,052, 8–30–66, Cl. 260—561.

Chance, Leon H., G. L. Drake, Jr., and W. A. Reeves, to United States of America, Agriculture. Process of treating cellulosic textiles with methylol derivatives of tris(2-carbamoylethyl) phosphine and products thereof. 3,276,838, 10–4–66, Cl. 8—116.3.

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Chandler, Carroll F., to E. I. du Pont de Nemours and Co. Lubricating elastomers with silicate esters. 3,240,622, 3–15–66, Cl. 117—138.8.

Chandler, Carroll F., to E. I. du Pont de Nemours and Co. Lubricating compositions for segmented elastomeric copolymer filaments. 3,277,000, 10–4–66, Cl. 252—8.9.

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Chandler, Donald W.: *See*—
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Chandler, Gerald F., to Cohu Electronics, Inc. Digital comparator. 3,273,122, 9–13–66, Cl. 340—146.2.

Chandler, Gerald F., to Cohu Electronics, Inc. Decimal-to-binary converter. 3,276,013, 9–27–66, Cl. 340—347.

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Chandler, Horace W., to Isomet Corp. Method of separating hafnium from zirconium. 3,276,862, 10–4–66, Cl. 75—84.5.

Chandler, Ollie W., to Commercial Solvent Corp. Process for the recovery of cyclohexane. 3,255,266, 6–7–66, Cl. 260—666.

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Rupp, William C. 3,233,494.
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Chandler, Walter, to The Plessey U.K. Ltd. Socket units for plug-and-socket connectors. 3,263,205, 7–26–66, Cl. 339—198.

Chandler, Walter, to Plessey (U.K.) Ltd. Plug-and-socket connectors. 3,273,107, 9–13–66, Cl. 339—198.

Chandley, George D., to TRW Inc. Method for improving grain structure and sound in castings. 3,248,764, 5–3–66, Cl. 22—211.

Chandley, George D., to TRW Inc. Turbine wheel manufacturing method. 3,283,377, 11–8–66, Cl. 22—212.

Chandley, George D., and W. S. Blazek, to TRW Inc. Method and pattern material for precision investment casting. 3,257,693, 6–28–66, Cl. 22—164.

Chaney, Albert L. Reagents and analysis of nitrogen. Re. 26,125, 12–13–66, Cl. 195—103.5.

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Chaney, John L. Worm lure composition and method. 3,239,413, 3–8–66, Cl. 167—48.

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Chaney, Ray L., to United States of America, Atomic Energy Commission. Level control for cryogenic liquid. 3,262,280, 7–26–66, Cl. 62—49.

Chang, Charles H., to General Aniline & Film Corp. Azo dyestuffs containing a halogenated triazine. 3,293,238, 12–20–66, Cl. 260—153.

Chang, Clarence D., to Pullman Inc. Method of making phosphate fertilizer. 3,245,777, 4–12–66, Cl. 71—39.

Chang, David, to International Business Machines Corp. Twin gap flux responsive head. 3,239,823, 3–8–66, Cl. 340—174.1.

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Chang, Hung C., and L. J. Kroko, to Westinghouse Electric Corp. Apparatus for and preparation of silicon carbide single crystals. 3,275,415, 9–27–66, Cl. 23—208.

Chang, Joseph J., to Bell Telephone Laboratories, Inc. Method of making semiconductor integrated circuit elements. 3,290,753, 12–13–66, Cl. 29—25.3.

Chang, Ming-Yang. Method and apparatus for building construction. 3,231,644, 1–25–66, Cl. 264—34.

Chang, Ming-Yang. Process and apparatus for constructing a building. 3,257,481, 6–21–66, Cl. 264—45.

Chang, Nai-Chong, to Sperry Rand Corp., Ford Instrument Co. Division. Rotating helix double integrating accelerometer. 3,229,529, 1–18–66, Cl. 73—490.

Chang, Stephen S., and P. X. Hoynak, Jr., to Rutgers Research and Educational Foundation. Method of preparing a frozen salt containing meat product. 3,261,692, 7–19–66, Cl. 99—194.

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Chang, Wen-Hsuan, to Pittsburgh Plate Glass Co. Adducts of cyclopentadiene ketals. 3,256,316, 6–14–66, Cl. 260—468.

Chang, Wen-Hsuan, to Pittsburgh Plate Glass Co. Diels-alder reaction products. 3,287,395, 11–22–66, Cl. 260—468.

Chang, Winston H., to General Electric Co. Molybdenum-base alloy. 3,275,434, 9–27–66, Cl. 75—176.

Chang, Yu-Wei, to E. I. du Pont de Nemours and Co. Catalytic oxidation of alkylquinoxalines to form quinoxalinecarboxylic acids. 3,255,192, 6–7–66, Cl. 260—250.

Chang, Yu-Wei, to E. I. du Pont de Nemours and Co. Chloroquinoxaline - dicarboxylic anhydrides. 3,282,941, 11–1–66, Cl. 260—250.

Chanlund, Carl W., to Idaho Concrete Pipe Co. Molding apparatus including a vibration table with selective horizontal and vertical motion. 3,273,217, 9–20–66, Cl. 25—41.

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Channel Master Corp.: *See*—
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Channell, Earl C., to Honeywell Inc. Spectrum analyzer including programmed switching means. 3,257,613, 6–21–66, Cl. 324—77.

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Chano, Takashi, to Kayaba Industry Co., Ltd. Shock absorber including spring loaded valve in piston. 3,232,390, 2–1–66, Cl. 188—88.

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Chanowitz, Harry, and G. F. Wenreich, to C. P. Clare & Co. Method of and apparatus for making sealed switches. 3,282,670, 11–1–66, Cl. 65—59.

Chantland, Alfred. Belt carrier. 3,294,218, 12–27–66, Cl. 198—192.

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Chaperon, William E. Combination bore sighting device and bore scope. 3,228,108, 1–11–66, Cl. 33—46.

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Chapin, Daryl M., to Bell Telephone Laboratories, Inc. Code converter. 3,229,280, 1–11–66, Cl. 340—347.

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Chapin, Daryl M., to Bell Telephone Laboratories, Inc. Latch circuit utilizing single transistor and energized by alternating current. 3,261,987, 7–19–66, Cl. 307—88.5.

Chapin, Donald E., to Bell Telephone Laboratories Inc. Compact ultrasonic strip delay line having sharp bend in delay medium. 3,278,867, 10–11–66, Cl. 333—30.

Chapin, Donald W., D. H. Fischer, and J. C. White, to The Garrett Corp. Pneumatic analog computer. 3,239,139, 3–8–66, Cl. 235—200.

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Chapin, Howard R., to Controls Co. of America. Adjustable pressure switch having positive reset means. 3,230,328, 1–18–66, Cl. 200—83.

Chapin, Howard R., to Controls Co. of America. Pressure switch having positive action reset means and adjustable length connection to diaphragm. 3,267,232, 8–16–66, Cl. 200—83.

Chapin, Howard R., and J. J. Kaleba, to Controls Co. of America. Ganging means for switch bodies. 3,244,848, 4–5–66, Cl. 200—168.

Chapin, Howard R., and J. J. Kaleba, to Controls Co. of America. Method of making a snap-action switch. 3,263,306, 8–2–66, Cl. 29—155.5.

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Chapman, Albert R., to Corning Glass Works. Manufacturer's joint. 3,254,827, 6–7–66, Cl. 229—48.

Chapman, Arthur S., to Hughes Aircraft Co. Flexible seal. 3,247,731, 4–26–66, Cl. 74—18.1.

Chapman, Aubrey L., Jr., to Texas Instruments Inc. Modulating radar reflector. 3,295,132, 12–27–66, Cl. 343—18.

Chapman, Bruce. Fishing rods. 3,279,116, 10–18–66, Cl. 43—23.

Chapman, Charles C., to Phillips Petroleum Co. Alkylation process. 3,233,007, 2–1–66, Cl. 260—683.48.

Chapman, Charles C., and J. Van Pool, to Phillips Petroleum Co. Gas-liquid catalytic alkylation. 3,246,047, 4–12–66, Cl. 260—683.48.

Chapman, Charles W., to Twiflex Couplings Ltd. Couplings for transmitting a drive between rotatable driving and driven members. 3,246,485, 4–19–66, Cl. 64—27.

Chapman Chemical Co.: *See*—
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Chapman, Dave, to Mohasco Industries, Inc. Foldable sound insulating material and partition. 3,231,042, 1–25–66, Cl. 181—33.

Chapman, Delbert J. Protective sole for spiked shoes. 3,243,902, 4–5–66, Cl. 36—72.

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Chapman, Donald M., Jr., to The Smith-Gates Corp. Electric heating mat. 3,281,578, 10–25–66, Cl. 219—528.

Chapman, Edward C., to Combustion Engineering, Inc. Tube manufacture. 3,259,975, 7–12–66, Cl. 29—528.

Chapman, Everett. Photoelastic stress analysis. 3,243,819, 3–29–66, Cl. 346—1.

Chapman, Everett. Photoelastic machine. 3,293,908, 12–27–66, Cl. 73—88.

Chapman, George C., to Owens-Illinois, Inc. Apparatus for forming solid glassware in a carbon die. 3,268,321, 8–23–66, Cl. 65—183.

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Chappell, Edward R., and R. C. Lessner, to Thomas Industries Inc. Corner construction. 3,259,409, 7–5–66, Cl. 287—189.36.
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Charles, Daniel R., to CSF-Compagnie Generale de Telegraphie Sans Fil. Storage tube. 3,270,242, 8–30–66, Cl. 315—10.
Charles, Ernest, M. E. Degeorges, and A. Thizy, to Societe Progil. Isomerization of alkylene oxides. 3,255,258, 6–7–66, Cl. 260—632.
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Charlson, Lynn L., to Germane Corp. Rotary fluid pressure device. 3,270,682, 9–6–66, Cl. 103—130.
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Claiborne, Earl B.: *See*—
Ray, Richard L., Gamble, Claiborne, and Coats. 3,265,771.
Claiborne, Jefferson L., to Dixie Yarns, Inc. Apparatus for the liquid treatment of yarn. 3,258,943, 7–5–66, Cl. 68—20.
Claiborne, Jefferson L., to Dixie Yarns, Inc. Method for the liquid treatment of yarns. 3,284,820, 11–15–66, Cl. 8—151.2.
Claiborne, Jefferson L., and J. R. Moore, to Dixie Yarns, Inc. Winding of yarns of high elasticity. 3,281,087, 10–25–66, Cl. 242—18.
Claiborne, John E. Exothermic composition containing zinc and ammonium chloride. 3,250,652, 5–10–66, Cl. 149—43.
Claiborne, Vernon D., and L. R. Payton, to Reynolds Metals Co. Aluminous metal particles. 3,241,948, 3–22–66, Cl. 75—.5.
Clair, Verne, Jr., to Kelsey-Hayes Co. Method of cold pressure welding. 3,277,559, 10–11–66, Cl. 29—155.5.
Clairex Corp.: *See*—
Rabinowitz, Jacob G., and Yager. 3,271,032.
Clairol Inc.: *See*—
Brunner, Walter H. 3,251,744.
Brunner, Walter H., and Halasz. 3,274,249.
Clamp, David W. L.: *See*—
Boadle, Campbell D., and Clamp. 3,240,884.
Boadle, Campbell D., and Clamp. 3,263,761.
Fowkee, Ronald, Boadle, and Clamp. 3,290,931.
Clamp, David W. L., to Girling Ltd. Batch weighing of flowable material with supply cut-off timed to anticipate falling material in transit. 3,260,320, 7–12–66, Cl. 177—1.
Clampitt, Bert H., and D. E. German, to The Boeing Co. Electrochemical cell for conversion of heat energy. 3,253,955, 5–31–66, Cl. 136—83.
Clampitt, Rodney B.: *See*—
Hammann, William C., and Clampitt. 3,242,217.
Clancy, John V.: *See*—
McLaughlin, William T., and Clancy. 3,253,075.
Clancy, John V., and W. T. McLaughlin, to United States Steel Corp. Centrifugal spraying equipment. 3,279,427, 10–18–66, Cl. 118—317.
Clanfield, Dick: *See*—
Michael, Vaughn E. 3,284,130.
Clanton, Raymond W., and C. W. Howe, said Howe assor. to said Clanton. Machine for molding concrete blocks. 3,264,702, 8–9–66, Cl. 25—41.
Clapp, Clarence, to Aerosol Techniques Inc. Reversible aerosol spray tip. 3,284,007, 11–8–66, Cl. 239—392.
Clapp, Clarence, and R. J. Winkler, to Western Filling Corp. Thermal safety device for aerosol containers. 3,241,713, 3–22–66, Cl. 222—5.
Clapp, John M., to Ingersoll-Rand Co. Apparatus for storing and feeding small mechanical parts. 3,288,330, 11–29–66, Cl. 221—174.
Clapp, John M., and E. G. Spyridakis, to Ingersoll-Rand Co. Fluid-operated rotating and reciprocating tool. 3,266,580, 8–16–66, Cl. 173—19.
Clapp, William W. Lamp remover. 3,232,658, 2–1–66, Cl. 294—20.
Clapper, Genung L., to International Business Machines Corp. Conversion system. 3,228,022, 1–4–66, Cl. 340—347.
Clapper, Genung L., to International Business Machines Corp. Word code generator. 3,236,947, 2–22–66, Cl. 179—1.
Clapper, Genung L., to International Business Machines Corp. Comparator circuit. 3,237,025, 2–22–66, Cl. 307—88.5.
Clapper, Genung L., to International Business Machines Corp. Adaptive logic system. 3,284,780, 11–8–66, Cl. 340—172.5.
Clapper, Genung L., to International Business Machines Corp. Multistable circuit. 3,286,103, 11–15–66, Cl. 307—88.5.
Claps, William A.: *See*—
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Coulter, Wallace H., Hogg, Moran, and Claps. 3,295,059.
Clar, Howard G., III, and J. P. Knudsen, to Monsanto Co. Compositions containing blends of acrylonitrile polymers and sulfonated polystyrene. 3,242,127, 3–22–66, Cl. 260—32.6.
Clar, Milton, to Auto Pak Co. Apparatus for the compaction and disposal of refuse. 3,231,107, 1–25–66, Cl. 214—38.
Clar, Milton, to Auto Pak Co. Compaction apparatus and compaction body vehicle. 3,231,111, 1–25–66, Cl. 214—83.3.
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Wickstrom, Theodore, Mankus, Claras, Rom, and Moore. 3,240,117.
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Webb, Paul U., and Clardy. 3,246,131.
Clare, C. P., & Co.: *See*—
Anderson, Lester W., and Chanowitz. 3,240,897.
Burnette, Thaddeus C., Jr. 3,253,338.
Chanowitz, Harry, and Weinreich. 3,282,670.
Deeg, Wyman L. 3,244,942.
Deeg, Wyman L. 3,256,425.
Deeg, Wyman L. 3,275,896.
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Clare, John, to General Motors Corp. Sunshade support assembly. 3,228,722, 1–11–66, Cl. 296—97.
Clarin Mfg. Co.: *See*—
Banke, Henry C. 3,259,429.
Chapman, Howard D. 3,233,939.
Chapman, Howard D., and Banke. 3,284,132.
Clarizio, Giacomo, to The Scholl Mfg. Co., Inc. Athlete's foot protector. 3,243,901, 4–5–66, Cl. 36—72.
Clarizio, Giacomo, to The Scholl Mfg. Co., Inc. Disposable plastic bag for hot or cold substances. 3,244,210, 4–5–66, Cl. 150—2.2.
Clark, Adrian P., to British Telecommunications Research Ltd. Carrier current signalling system using quaternary modulation. 3,281,694, 10–25–66, Cl. 325—30.
Clark, Albert P., to Vare Industries, Inc. Variable buoyancy float. 3,256,539, 6–21–66, Cl. 9—8.
Clark, Alexander B., Jr. Cloth reel. 3,268,069, 8–23–66, Cl. 206—50.
Clark, Alfred, and V. C. F. Holm, to Phillips Petroleum Co. Conversion of conjugated dienes to film-forming or drying oils and the like. 3,281,488, 10–25–66, Cl. 260—680.
Clark, Alfred J.: *See*—
Wolf, Robert A., and Clark. 3,247,728.
Clark, Alfred J., to Motorola, Inc. Automatic tuning mechanism. 3,230,780, 1–25–66, Cl. 74—10.29.
Clark, Alfred J., to Motorola, Inc. Tuning device. 3,236,110, 2–22–66, Cl. 74—10.27.
Clark, Alfred J., to Motorola, Inc. Positioning mechanism. 3,247,939, 4–26–66, Cl. 192—142.
Clark, Alfred J., and R. E. Thompson, to Motorola, Inc. Pushbutton construction. 3,234,800, 2–15–66, Cl. 74—10.27.
Clark, Arthur C., and P. S. Magna. Combined nail conveyor and cleaner. 3,269,534, 8–30–66, Cl. 209—85.
Clark, Austin B. J. Screen for projectile detection using alternate, spaced switch elements. 3,230,450, 1–18–66, Cl. 324—70.
Clark, Bryce L., and C. S. Miller, to Minnesota Mining and Mfg. Co. Heat-copying process. 3,280,735, 10–25–66, Cl. 101—149.2.
Clark-Burt Roofing Co., Inc.: *See*—
Clark, William T. 3,245,178.
Clark, C. & J., Ltd.: *See*—
Hole, Lionel G. 3,248,748.
Clark, Carl L. Knife and scissors sharpening device. 3,254,456, 6–7–66, Cl. 51—214.
Clark, Chapman & Co., Ltd.: *See*—
Henderson, Leslie. 3,231,017.
Clark, Charles A.: *See*—
Blower, Roy, Clark, and Fleetwood. 3,244,514.
Clark, Charles A., and J. J. Mason, to The International Nickel Co., Inc. Silicon steel containing nickel. 3,238,073, 3–1–66, Cl. 148—31.55.
Clark, Charles E. Dispenser for plural layer tape. 3,288,384, 11–29–66, Cl. 242—55.
Clark, Charles W. Photographic apparatus for producing multiple exposures. 3,230,849, 1–25–66, Cl. 95—14.
Clark, Charles W., to C. W. C. Equipment Ltd. Electric plug and socket connectors. 3,252,128, 5–17–66, Cl. 339—217.
Clark, Charles W., Jr., to Sweden Freezer Mfg. Co. Self-sufficient mobile dispensing freezer. 3,236,060, 2–22–66, Cl. 62—135.
Clark, Charles W., Jr., to Sweden Freezer Mfg. Co. Mix-and-air feeding device for dispensing freezers. 3,258,030, 6–28–66, Cl. 137—589.
Clark, Clayton H., and C. P. Anderson, to SCM Corp. Telegraphic recorder having planetary operator. 3,274,338, 9–20–66, Cl. 178—17.
Clark, Clayton H., and D. J. Stefanik, to SCM Corp. Communication equipment set, keyboard, printer and recorder. 3,280,256, 10–18–66, Cl. 178—79.
Clark, Clayton H., and D. J. Stefanik, to SCM Corp. Apparatus for feeding and stepping a magnetic tape. 3,289,189, 11–29–66, Cl. 340—174.1.
Clark, Clayton H., and D. J. Stefanik, to SCM Corp. Drum printer. 3,291,909, 12–13–66, Cl. 178—25.
Clark, Clyde C., to TRW Inc. Piston manufacture. 3,237,532, 3–1–66, Cl. 92—222.
Clark, Colin H. W., to Steatite and Porcelain Products Ltd. Insulator having semi-conductive layers to increase the capacitance thereof. 3,243,505, 3–29–66, Cl. 174—140.
Clark Controller Co., The: *See*—
Carlisle, Benjamin H. 3,232,316.
Cook, Harry M., and Chermely. 3,241,022.
Landow, Walter. 3,253,092.
Russo, Roland. 3,238,320.
Zarleng, Steve A. 3,240,411.
Clark, Curtis. Lay-out tool. 3,284,911, 11–15–66, Cl. 33—189.
Clark, Daniel W. Mobile Marine platform. 3,256,537, 6–21–66, Cl. 9—8.
Clark, David A. Coulter-knife blade assembly. 3,292,562, 12–20–66, Cl. 111—7.
Clark, Dennis E.: *See*—
Ritchie, Alexander C., Clark, Meredith, and Whiting. 3,282,945.
Clark, Don B., and R. E. Brown. Noise generator. 3,227,964, 1–4–66, Cl. 331—78.
Clark, Donald E., to General Electric Co. Thrust deflector. 3,241,312. 3–22–66, Cl. 60—35.54.
Clark, Donald E., to Systron-Donner Corp. Sensing assembly for linear servo accelerometer. 3,246,525, 4–19–66, Cl. 73—517.
Clark, Donald E., and P. J. Hess, to General Electric Co. Thrust deflector and reverser. 3,248,878, 5–3–66, Cl. 60—35.54.
Clark, Donald E., and N. H. Grant, to American Home Products Corp. 17β - substituted - 3α - amino - 5α - androstanes. 3,264,326, 8–2–66, Cl. 260—397.
Clark, Duncan, and P. Hayden, to Imperial Chemical Industries Ltd. Preparation of saturated esters by oxidation of aldehydes with a palladium salt, a relax system and molecular oxygen in alcoholic medium. 3,257,448, 6–21–66, Cl. 260—484.
Clark, Duncan, and P. Hayden, to Imperial Chemical Industries Ltd. Production of mono and di-esters of glycols by oxidation of olefins with a palladous salt in presence of a carboxylic acid, a redox system, an alkali metal halide, carboxylate ions and molecular oxygen. 3,262,969, 7–26–66, Cl. 260—497.
Clark, Duncan, and C. B. Cotterill, to Imperial Chemical Industries Ltd. Process for preparing unsaturated esters by oxidation of olefins in an aromatic amide solvent. 3,278,590, 10–11–66, Cl. 260—497.
Clark, Earl J., to Bucheimer-Clark Leather Goods Corp. Inside gun holster. 3,250,448, 5–10–66, Cl. 224—2.
Clark, Earl W., to General Electric Co. Taut band suspended instrument movement with shock resistant longitudinal movement stop. 3,277,370, 10–4–66, Cl. 324—154.
Clark, Edmund L., Jr. Grinding fixture. 3,251,157, 5–17–66, Cl. 51—100.
Clark Equipment Co.: *See*—
Bowman, Edward E., and Perez. 3,242,686.
Conrad, Marcus L. 3,240,371.
Cook, Fred H., and Bush. 3,280,401.
De Vane, Charles R., Jr., and Hammond. 3,240,470.
Emrick, Homer. 3,235,098.
Frost, Barry L. 3,240,308.
Frost, Barry L. 3,269,203.
Frost, Barry L. 3,273,415.
Gordon, Richard O. 3,249,173.
Gordon, Richard O. 3,262,523.
Gordon, Richard O. 3,266,522.
Gordon, Richard O. 3,280,756.
Gordon, Richard O. 3,291,053.
Gordon, Richard O. 3,292,550.
Gordon, Richard O. 3,292,551.
Gordon, Richard O., and Wykoff. 3,240,019.
Goyarts, Wynand M. J. M. 3,266,774.
Haddock, Louis A., Jr. 3,273,416.
Hammond, Evan. 3,241,815.
Hammond, Evan. 3,248,084.
Hardin, Johnny L., and Johnston. 3,273,474.
Hoyt, Deryl R. 3,242,882.
Hoyt, Deryl R. 3,289,869.
Jensen, Lester K. 3,261,422.
Joyce, James E., and Nicholson. 3,240,372.
Kennedy, Thomas E. 3,248,079.
Killebrew, Clarence E. 3,245,560.
Kolosowsky, James A. 3,266,548.
La Tourneau, Howard C., and Willis. 3,289,871.
Loomis, Jack E. 3,235,105.
Mindrum, Kenneth H., and Newhouse. 3,272,364.
Rogers, Cyril B. 3,249,241.
Rogers, Cyril B. 3,266,062.
Rogers, Cyril B., and Doolittle. 3,273,727.
Rundell, William G. 3,254,503.
Stevens, Daryl W. 3,272,365.
Thomas, Henry J. 3,248,123.
Thomas, Henry J. 3,292,742.
Thomas, Henry J., and Trusock. 3,282,384.
Trusock, George J. 3,243,194.
Watters, Johnny T. 3,235,099.
Williamson, William A. 3,240,285.
Clark, Ernest L., to Phillips Petroleum Co. Acoustical signal generation by electrical coils deflecting a diaphragm. 3,258,741, 6–28–66, Cl. 340—17.
Clark, Ernest L., to Phillips Petroleum Co. Means for determining fluid interface in underground storage space. 3,284,630, 11–8–66, Cl. 250—43.5.
Clark, Eugene V., Jr.: *See*—
Hoff, Rodney G., Clark, and Weeks. 3,273,048.
Clark, Ezekail L., to The North American Coal Corp. Process for the treatment of solids at high temperatures. 3,275,405, 9–27–66, Cl. 23—142.
Clark, Floyd E.: *See*—
Sokoloff, Alexis N., and Clark. 3,271,985.
Clark, Francis A., to Southern Fuels Corp. Bridge circuit including a low pass transconductance control circuit. 3,264,575, 8–2–66, Cl. 330—146.
Clark, Francis A. Anti-skid tires. 3,276,501, 10–4–66, Cl. 152—211.
Clark, Frank L., C. B. Johnson, W. D. Erickson, and R. I. Buchanan, to United States of America, National Aeronautics and Space Administration. Hypersonic test facility. 3,238,345, 3–1–66, Cl. 219—10.49.
Clark, Frederick G., ½ to W. Stevenson. Screwdriver construction. 3,288,185, 11–29–66, Cl. 145—51.
Clark, Frederick I.: *See*—
Merchant, Francis C. I., Robinson, and Clark. 3,280,560.
Clark, Geoffrey W., to Resources and Facilities Corp. Circuit panel with contact pads. 3,257,537, 6–21–66, Cl. 200—166.
Clark, George M.: *See*—
Smith, Horace V., and Clark. 3,265,086.

Clark, Gordon A., to North American Philips Co., Inc. Digital electrical calculating apparatus. 3,267,267, 8–16–66, Cl. 235—164.

Clark, Hadden: *See*—
Smyers, William H., Clark, Linden, and Slotterbeck. 3,240,662.

Clark, Hadden, R. G. Adams, W. H. Smyers, W. J. G. McCulloch, and O. C. Slotterbeck; deceased, by L. G. Slotterbeck, executrix, to Esso Research and Engineering Co. Process of bonding a polyolefin layer laminate which has been partially cured to a B-stage product. 3,238,077, 3–1–66, Cl. 156—60.

Clark, Harold A.: *See*—
Plueddemann, Edwin P., and Clark. 3,258,477.

Clark, Harold E., to Xerox Corp. Electrostatic photography. 3,241,466, 3–22–66, Cl. 95—1.7.

Clark, Harold E., to Xerox Corp. Electroviscous recording. 3,270,637, 9–6–66, Cl. 95—1.

Clark, Harold E., to Xerox Corp. Image deformation utilizing a prism. 3,273,999, 9–20–66, Cl. 96—1.1.

Clark, Harold E., to Xerox Corp. Vapor fusing method for xerographic powder images. 3,288,624, 11–29–66, Cl. 117—21.

Clark, Harold E., R. W. Gundlach, and M. Levy, to Xerox Corp. Masked plate xerography. 3,256,089, 6–14–66, Cl. 96—1.

Clark, Harry F., to General Motors Corp. Electrical apparatus. 3,258,647, 6–28–66, Cl. 317—40.

Clark, Harry F., to General Motors Corp. Electrical apparatus. 3,292,067, 12–13–66, Cl. 318—221.

Clark, Harry S. Transformer lamination interleaver. 3,280,453, 10–25–66, Cl. 29—203.

Clark, Herbert, to Ling-Temco-Vought, Inc. Spark-catalytic ignitor. 3,243,631, 3–29–66, Cl. 313—141.

Clark, Herbert, to United States of America, Navy. Compensating boundary layer control nozzle. 3,276,727, 10–4–66, Cl. 244—42.

Clark, Hubert M., and G. H. Drutchas, to TRW Inc. Stack up slipper pump and compact valve assembly. 3,273,503, 9–20–66, Cl. 103—42.

Clark, Hubert M., G. H. Drutchas, and P. Becker, to TRW Inc. Pressure balanced seal-pack for reversible pumps and motors. 3,294,029, 12–27–66, Cl. 103—126.

Clark, J. L., Mfg. Co.: *See*—
Foster, John A. 3,251,509.
Foster, John A. 3,255,928.
Latawiec, John S. 3,251,451.
Latawiec, John S. 3,251,517.

Clark, J. R., Co., The: *See*—
Munson, Donald J. 3,268,192.
Nielsen, Otto S. 3,268,194.

Clark, Jack W., to General Electric Co. Chromium base alloy. 3,227,548, 1–4–66, Cl. 75—176.

Clark, Jack W., to General Electric Co. Columbium-base alloy of improved fabricability. 3,236,638, 2–22–66, Cl. 75—174.

Clark, Jack W., and E. S. Jones, deceased; (by E. S. Jones, executrix), to General Electric Co. Tantalum-base alloy. 3,243,290, 3–29–66, Cl. 75—174.

Clark, James: *See*—
Schneider, Helmuth G., and Clark. 3,234,250.

Clark, James A., to Bausch & Lomb Inc. Light deflector. 3,278,738, 10–11–66, Cl. 240—2.

Clark, James A., and J. O. Morrison. Device for gauging, metering or measuring liquids. 3,256,907, 6–21–66, Cl. 137—558.

Clark, James d'A. Feeding and extracting apparatus and method. 3,285,669, 11–15–66, Cl. 302—14.

Clark, James E., to Bell Telephone Laboratories, Inc. Semiconductor encapsulation. 3,271,124, 9–6–66, Cl. 65—54.

Clark, James H. Fence post and fence. 3,285,576, 11–15–66, Cl. 256—21.

Clark, James L., to Plastronics, Inc. Inlet tube stabilizer for flexible container. 3,251,069, 5–17–66, Cl. 4—110.

Clark, James L., to Plastronics, Inc. Detachable tube to bag connector means and method of making same. 3,270,790, 9–6–66, Cl. 150—1.

Clark, James L., to Plastronics, Inc. Method of making catheter. 3,288,901, 11–29–66, Cl. 264—267.

Clark, James L., to Plastronics, Inc. Closure construction for a flexible container. 3,289,723, 12–6–66, Cl. 150—7.

Clark, James M.: *See*—
Wenta, Steven C., and Clark. 3,232,427.

Clark, Jared W., and C. E. Ractenwald, to Union Carbide Corp. Catalyst composition consisting essentially of the oxides of iron, rare earth and zirconium. 3,231,519, 1–25–66, Cl. 252—462.

Clark, John B., to Associated Electrical Industries Ltd. Telephone exchange system ring-tripping arrangements. 3,247,326, 4–19–66, Cl. 179—18.

Clark, John B., to Standard Oil Co. Method and apparatus for controlling flow of fuel gas. 3,285,320, 11–15–66, Cl. 158—117.5.

Clark, John E.: *See*—
Pickup, Edmund, and Clark. 3,264,815.

Clark, John G., to Sperry Rand Corp. Temperature stabilized gyromagnetic element. 3,246,263, 4–12–66, Cl. 333—24.1.

Clark, John H., to United States of America, Army. Crash closed shut-off valve. 3,273,578, 9–20–66, Cl. 137—68.

Clark, John R.: *See*—
Olander, Kemuel B. 3,278,147.

Clark, John R., to Sperry Rand Corp. Impedance matching system. 3,281,721, 10–25–66, Cl. 333—17.

Clark, Joseph C., to L and S Bait Co. of Florida, Inc. Spool retarding and locking means for fishing reel. 3,268,182, 8–23–66, Cl. 242—84.44.

Clark, Joseph F.: *See*—
Daly, Paul J., and Clark. 3,271,678.

Clark, Joseph H., Jr., to General Electric Co. Hair dryer bonnet. 3,281,955, 11–1–66, Cl. 34—99.

Clark, Kenneth: *See*—
Riches, Frederick C., Varney, and Clark. 3,287,715.

Clark, Kenneth D., to Eaton Mfg. Co. Casting ejector apparatus. 3,268,961, 8–30–66, Cl. 22—94.

Clark, Kenneth G., and R. M. Tomczak, to Union Carbide Corp. Packaging apparatus. 3,254,472, 6–7–66, Cl. 53—259.

Clark, Kenneth J. B.: *See*—
Hirst, Archie J., and Clark. 3,242,877.

Clark, Kenneth R., to John Oster Mfg. Co. Knife and scissors sharpener improvements. 3,258,878, 7–5–66, Cl. 51—80.

Clark, Kenneth W., and D. G. Seymour, to Bristol Siddeley Engines Ltd. Gas turbine engines. 3,264,482, 8–2–66, Cl. 290—38.

Clark, L. M.: *See*—
Brian, Kleber D., Jones, and O'Neal. 3,270,880.

Clark, Leland C., Jr. Fluid pump. 3,227,092, 1–4–66, Cl. 103—149.

Clark, Leo G. Detector and regulator of water in fuel storage tanks. 3,279,380, 10–18–66, Cl. 103—26.

Clark, Lincoln, 30% to Cities Service Athabasca, Inc., 30% to Imperial Oil Ltd., 30% to Richfield Oil Corp., and 10% to Royalite Oil Co., Ltd. Flotation apparatus. 3,250,394, 5–10–66, Cl. 210—221.

Clark, Lincoln, 30% to Cities Service Athabasca, Inc., 30% to Imperial Oil limited, 30% to Atlantic Richfield. Process and apparatus for stripping solids from bituminous sand. 3,271,293, 9–6–66, Cl. 208—11.

Clark, Louis J. Clothes pin. 3,235,928, 2–22–66, Cl. 24—137.

Clark Mfg. Co.: *See*—
Bayne, William E. 3,227,226.

Clark, Marion V. Molding clip. 3,254,382, 6–7–66, Cl. 24—73.

Clark, Merle M., and W. T. Bennett, to The Babcock & Wilcox Co. Spray nozzle mounting and oscillating mechanism. 3,289,944, 12–6–66, Cl. 239—227.

Clark, Milton B.: *See*—
Schumacher, Erwin A., Uline, and Clark. 3,282,348.

Clark, Morton L., to Guaranteed Weather, Inc. Combined cooking and heating fireplace. 3,227,149, 1–4–66, Cl. 126—4.

Clark, Morton L., to Guaranteed Weather, Inc. Weatherproof retractable wall. 3,292,685. 12–20–66, Cl. 160—26.

Clark, Nell M.: *See*—
Brownrigg, Gerald K. A., and Clark. 3,266,494.
Chenoweth, Dean B., Clark, and Johnson. 3,261,506.
Chenoweth, Dean B., Mommsen, Clark, and Glichrist. 3,246,821.
Drugan, Wayne A., and Clark. 3,281,978.
Mommsen, Gordon V., and Clark. 3,281,143.

Clark, Norman J., and F. McCollough, Jr., to Stauffer Chemical Co. Flame resistant polyurethane composition containing P_2S_5 or P_4S_7. 3,294,712, 12–27–66, Cl. 260—2.5.

Clark, Oliver K.: *See*—
Elsinger, William D., and Clark. 3,231,542.

Clark, Oliver R., to General Electric Co. Thermal protection for food waste disposer. 3,239,698, 3–8–66, Cl. 310—57.

Clark, Oscar M., to Motorola, Inc. Method of etching a semiconductor wafer to provide tapered dice. 3,260,634, 7–12–66, Cl. 156—17.

Clark, Patrick A., J. F. Alsop, and J. E. Ogle, to Davy and United Engineering Co. Ltd. Cooling beds. 3,272,312, 9–13–66, Cl. 198—34.

Clark, Paul S.: *See*—
Jacomini, Omar J., and Clark. 3,258,692.

Clark, Quentin L.: *See*—
Schroeder, Clifford A., and Clark. 3,240,643.

Clark, Ralph O.: *See*—
Burow, Frank H., Clark, Lichtenfels, and Petrocelli. 3,232,093.

Clark, Raymond D., to Eastman Kodak Co. Treatment of 2,2,4,4-tetraalkyl-1,3-cyclobutanediols. 3,236,899, 2–22–66, Cl. 260—601.

Clark, Reginald F.: *See*—
Storrs, Charles D., and Clark. 3,247,269.
Storrs, Charles D., Clark, and Jackson. 3,249,641.

Clark, Reginald F., and C. D. Storrs, to Columbian Carbon Co. Method of preparing cyclooleflns. 3,243,468, 3–29–66, Cl. 260—666.

Clark, Reginald F., and C. D. Storrs, to Columbian Carbon Co. Tris(triphenylphosphine) nickel monocarbonyl and similar compounds. 3,244,738, 4–5–66, Cl. 260—439.

Clark, Richard A.: *See*—
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Cleff, Peter H., to Pametrada. Self-aligning journal bearings. 3,266,855, 8–16–66, Cl. 308—72.
Cleff, Peter H., J. D. Watson, and A. E. Anderson, to Pametrada. Flexible pipe joints. 3,232,642, 2–1–66, Cl. 285—114.
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Clemens, George S., to Carlson Tool & Machine Co. Bristle gathering and tuft loading apparatus for making brushes. 3,243,235, 3–29–66, Cl. 300—4.
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Clements, James S., and K. C. Laughlin, to Celanese Corp. of America. Oil recovery in wet-spinning process. 3,278,657, 10–11–66, Cl. 264—38.

Clements, John A., and N. L. Dice, to General Motors Corp. Fluid actuator. 3,290,998, 12–13–66, Cl. 91—1.

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Cleveland, Lee R. Target launching mechanism. 3,246,642, 4–19–66, Cl. 124—8.

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Clickner, Russell E., Jr., to United States of America, National Aeronautics and Space Administration. Umbilical disconnect. 3,249,012, 5–3–66, Cl. 89—1.7.

Clifford, Alan F., and J. Jaffe, to Monsanto Co. Alumina supported copper oxide-rare earth oxide catalyst compositions. 3,284,370, 11–8–66, Cl. 252—462.

Clifford, Charles E., and K. Antonsen, to General Dynamics Corp. Radiation shield arrangement for nuclear reactor. 3,255,085, 6–7–66, Cl. 176—33.

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Clift, Claude V. Meter-controlling system. 3,229,108, 1–11–66, Cl. 250—239.

Clifton, James B. M., to The Bendix Corp. Transistor amplifier protection circuit. 3,237,118, 2–22–66, Cl. 330—15.

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Clifton, Maurice C., P. M. Nichols, and V. B. Whitfield, to United States Rubber Co. Adhesion of ethylene-propylene-diene terpolymer rubber to textiles. 3,262,482, 7–26–66, Cl. 152—330.

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Cline, Wilfred and R. V. Irrigation signal lamp. 3,239,829, 3–8–66, Cl. 340—244.

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Clinton, Sam D., P. A. Haas, L. J. Hirth, and A. T. Kleinsteuber, to United States of America, Atomic Energy Commission. Process for preparing oxide gel microspheres from sols. 3,290,122, 12–6–66, Cl. 23—345.

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Close, William P., and K. F. Sporek, to Owens-Illinois Glass Co. Method of evaluating gettering techniques. 3,254,216, 5–31–66, Cl. 250—71.

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Closson, Rex D., to Ethyl Corp. Manufacture of tetrahydrocarbon lead compounds. 3,231,511, 1–25–66, Cl. 252—386.

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Cloud, Charles E. Making individual condiment packages. 3,284,984, 11–15–66, Cl. 53—180.

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Clough, Philip J., and R. W. Steeves, to National Research Corp. Apparatus for depositing coatings of tin on a flexible substrate. 3,227,132, 1–4–66, Cl. 118—49.

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Clough, Thomas J., and D. W. Young, to Sinclair Research, Inc. Fuel oil composition. 3,252,772, 5–24–66, Cl. 44—62.

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Cloutier, Adelbert P. Bedstead fastening. 3,286,282, 11–22–66, Cl. 5—296.

Cloutier, Joseph A., Jr. Continuous drive feed for oxidation-diffusion furnace. 3,294,261, 12–27–66, Cl. 214—18.

Clouzeau, Pierre, and Y. Le Troadec, to Rhone-Poulenc S.A. Selectively metering or continuously discharging valve for aerosols. 3,260,418, 7–12–66, Cl. 222—263.

Clouzeau, Pierre J., and Y. Le Troadec, to Rhone-Poulenc S.A. Containers for compressed fluids, and valve for such containers. 3,278,086, 10–11–66, Cl. 222—135.

Clover, Henriette, to Van Raalte Co., Inc. Double layer foundation garment. 3,259,133, 7–5–66, Cl. 128—552.

Clover, Paul B. Vertical-takeoff-landing aircraft. 3,243,146, 3–29–66, Cl. 244—23.

Clover, Richmond B., Jr., and E. P. Kollar, to International Business Machines Corp. Card storage and selection device. 3,283,761, 11–8–66, Cl. 129—16.1.

Clow, William V. Seed segregator and planter. 3,240,175, 3–15–66, Cl. 111—77.

Cloyd, Harold S., to Nosco Plastics, Inc. Plastic case. 3,232,476, 2–1–66, Cl. 220—102.

Cloyd, Harold S., to Nosco Plastics, Inc. Collapsible container. 3,265,240, 8–9–66, Cl. 220—84.

Cloyd, Henry C. Light and cord storing device. 3,294,968, 12–27–66, Cl. 240—81.

Cluett, Peabody & Co., Inc.: *See*—
Brittingham, Lawrence A. 3,259,229.
Pandell, Nestor W. 3,277,552.

Clune, James P.: *See*—
Matheson, Wilfrid G., Clune, and Pricenski. 3,274,374.

Clune, Martin S.: *See*—
Matson, Bertram J., Wermager, and Clune. 3,245,317.

Clunis, Kenneth, to Minnesota Mining and Mfg. Co. Spatial coherent reproducing system. 3,287,563, 11–22–66, Cl. 250—219.

Clupak, Inc.: *See*—
Freuler, Fred H. 3,279,091.

Clute, Francis H., to Francis H. Clute & Son, Inc. Vacuum comminutor. 3,255,793, 6–14–66, Cl. 146—1.

Clute, Francis H., & Son, Inc.: *See*—
Clute, Francis H. 3,255,793.

Clutter, Raymond J.: *See*—
Jungermann, Eric, and Clutter. 3,259,671.

Clyde Corp.: *See*—
Haberstump, Alfred H. 3,286,881.

Clynes, Manfred E. Ultrasonic pulse-echo system for internal exploration. 3,238,767, 3–8–66, Cl. 73—67.9.

Clynes, Manfred E., to Technical Measurement Corp. Multitrack data recording system. 3,262,104, 7–19–66, Cl. 340—174.1.

Clynes, Manfred E., to Air-Shields, Inc. Transducers. 3,292,018, 12–13–66, Cl. 310—8.1.

Co, Yi H.: *See*—
Blokker, Johan F., and Co. 3,280,347.

Coach and Car Equipment Corp.: *See*—
Bilancia, Raymond A. 3,265,435.
Coad, Brian C., B. J. Bliss, and J. W. Waseleski, Jr., to Texas Instruments Inc. Composite electrode materials, articles made therefrom, and methods of making the same. 3,257,703, 6–28–66, Cl. 29—25.17.
Coakley, Claude A. Shower head. 3,285,521, 11–15–66, Cl. 239—318.
Coal Industry (Patents) Ltd.: *See*—
Gray, Ronald, and Jenkins. 3,291,285.
Hartley, Dennis, and Cooper. 3,294,449.
Hirst, Arthur A. 3,280,976.
Kibble, John D., and Penn. 3,244,078.
Kibble, John D., and Penn. 3,246,576.
Kibble, John D., and Penn. 3,259,024.
Roe, Thomas G. 3,291,533.
Coal Tar Research Corp., The: *See*—
Grant, David W. 3,289,482.
Coanda, George, to Don Baxter, Inc. Peritoneal dialysis entry device. 3,241,554, 3–22–66, Cl. 128—350.
Coanda, Henri. Lifting apparatus. 3,261,162, 7–19–66, Cl. 60—35.5.
Coanda, Henri and M. H. Apparatus for recovering heat released by condensation of a vaporized liquid. 3,284,318, 11–8–66, Cl. 202—160.
Coanda, Marguerite H.: *See*—
Coanda, Henri and M. H. 3,284,318.
Coant, Pierre M., and F. G. A. de Monterey, to Socony Mobil Oil Co., Inc. Lubricant and additives therefor. 3,259,577, 7–5–66, Cl. 252—33.3.
Coast Elevator Co.: *See*—
Risk, Daniel W. 3,292,500.
Coast Metals, Inc.: *See*—
Baldwin, James F., and Cape. 3,265,494.
Cape, Arthur T. 3,262,804.
Cape, Arthur T. 3,282,687.
Cape, Arthur T. 3,285,769.
Cape, Arthur T., and Vestal. 3,281,264.
Coastal Dynamics Corp.: *See*—
Cousins, Leroy L. 3,232,578.
Coastal Interchemical Co.: *See*—
Kapar, Charles. 3,281,452.
Rainer, Norman B., and Kapar. 3,234,185.
Coastal States Gas Producing Co.: *See*—
Bucklin, Robert W. 3,292,380.
Coastal States Petrochemical Co.: *See*—
Bludworth, Joseph E. 3,292,381.
Coates, Charles E., 50% to W. A. Gay, Jr. Water closet ventilating unit. 3,287,743, 11–29–66, Cl. 4—213.
Coates, Clarence L., Jr., and P. M. Lewis, II, to General Electric Co. Apparatus for recognizing waveforms of variable time duration representing the spectrum of waveforms on a logarithmic scale. 3,237,111, 2–22–66, Cl. 328—139.
Coates, Clarence L., Jr., and P. M. Lewis II, to General Electric Co. Apparatus for recognizing waveforms of variable time duration representing waveforms on a logarithmic time scale. 3,237,112, 2–22–66, Cl. 328—139.
Coates, Clarence L., Jr., and P. M. Lewis II, to General Electric Co. Threshold gate adder for minimizing carry propagation. 3,275,812, 9–27–66, Cl. 235—173.
Coates, Clarence L., Jr., and P. M. Lewis II, to General Electric Co. Bistable device employing threshold gate circuits. 3,275,849, 9–27–66, Cl. 307—88.5.
Coates, Harold, and B. Chalkley, to Albright & Wilson Ltd. Treatment of cellulose with tetrakis (hydroxymethyl) phosphonium resins. 3,236,676, 2–22–66, Cl. 117—62.2.
Coates, Herbert W.: *See*—
Paliyenko, Paul, and Coates. 3,251,794.
Coates, Herbert W., to Celanese Corp. of America. Dry process for making synthetic fiber paper. 3,261,899, 7–19–66, Cl. 264—123.
Coates, Herbert W., and D. T. Dunla, to Celanese Corp. of America. Shaping of non-woven batts. 3,227,592, 1–4–66, Cl. 156—93.
Coates, Herbert W., J. F. Baigas, Jr., M. J. Hamilton, and J. T. Haynes, Jr., to Kem-Wove Industries, Inc. Non-woven fabrics and a process for treating the same. 3,291,677, 12–13–66, Cl. 161—170.
Coates, John W., to The Forgrove Machinery Co. Ltd. Apparatus for delivering metered batches of biscuits or the like from a column. 3,228,538, 1–11–66, Cl. 214—7.
Coates, Joseph F.: *See*—
Wakeman, Reginald L., and Coates. 3,235,556.
Wakeman, Reginald L., and Coates. 3,274,199.
Wakeman, Reginald L., and Coates. 3,277,097.
Wakeman, Reginald L., and Coates. 3,280,131.
Wakeman, Reginald L., and Coates. 3,280,137.
Wakeman, Reginald L., and Coates. 3,285,923.
Coates, Leroy. Safety device for power equipment. 3,228,177, 1–11–66, Cl. 56—25.4.
Coates, Robert N., and J. T. Baillargeon; said Baillargeon assor. to said Coates. Heater element fitting for pressurized tank. 3,283,940, 11–8–66, Cl. 220—46.
Coates, Vincent J., and E. B. Delany, to The Perkin-Elmer Corp. Combined chromatograph and mass spectrometer analyzing apparatus. 3,291,980, 12–13–66, Cl. 250—41.9.
Coathylene S. A.: *See*—
Spindler, Wolfgang. 3,244,687.
Coaton, James R.: *See*—
Wright, John W. T., Coaton, and Howles. 3,286,218.
Coats & Clark Inc.: *See*—
Morin, Louis H. 3,257,791.
Morin, Louis H. 3,262,150.
Morin, Louis H. 3,288,900.
Morin, Louis H. 3,292,359.
Coats Co., Inc., The: *See*—
Scott, Ray A. 3,247,876.
Strang, Elmer J., and Scott. 3,247,883.
Strang, Elmer J., and Swanson. 3,255,800.
Tabordon, Royal C. 3,255,801.
Coats, Fred H., Jr., to E. I. du Pont de Nemours and Co. Nylon yarn treated with a finishing composition. 3,248,258, 4–26–66, Cl. 117—138.8.
Coats, George M.: *See*—
Ray, Richard L., Gamble, Claiborne, and Coats. 3,265,771.
Coats, George M., A. J. Passannante, G. Karoly, J. M. Kelley, Jr., and W. E. Heumann, to Esso Research and Engineering Co. Low pressure isotactic polypropylene diluted with low pressure linear polyethylene. 3,281,601, 10–25–66, Cl. 260—897.
Coats, John N. Auxiliary control device. 3,226,998, 1–4–66, Cl. 74—526.
Cobaugh, Robert F., to AMP Inc. Method of making an electrical connection. 3,239,918, 3–15–66, Cl. 29—155.55.
Cobaugh, Robert F., to AMP Inc. Electrical connections. 3,243,757, 3–29–66, Cl. 339—97.
Cobaugh, Robert F., to AMP Inc. Apparatus for making electrical connections. 3,249,983, 5–10–66, Cl. 29—33.
Cobaugh, Robert F., to AMP Inc. Device for making clip-type electrical connections. 3,249,993, 5–10–66, Cl. 29—203.
Cobaugh, Robert F., to AMP Inc. Electrical connections. 3,257,635, 6–21–66, Cl. 339—97.
Cobaugh, Robert F., to AMP Inc. Electrical connections. 3,257,835, 6–21–66, Cl. 339—97.
Cobaugh, Robert F., to AMP Inc. Series electrical connections. 3,273,102, 9–13–66, Cl. 339—18.
Cobaugh, Robert F., to AMP Inc. 3,283,289, 11–1–66, Cl. 339—256.
Cobaugh, Robert F., D. H. May, and G. T. Ritter, Jr., to AMP Inc. Pre-insulated electrical connector and dies for applying same. 3,241,098, 3–15–66, Cl. 339—213.
Cobaugh, Robert F., and W. R. Over, to AMP Inc. Tool for making electrical connections. 3,254,397, 6–7–66, Cl. 29—203.
Cobb, Al, Corp.: *See*—
Zarikta, Joseph W. 3,292,639.
Cobb, Clifton A.: *See*—
Brenner, Robert A., Cobb, and Orr. 3,270,533.
Severance, Glen R., Cobb, and Robandt. 3,279,228.
Cobb, Clifton A., and J. T. Williams, to Whirlpool Corp. Locking system for a laundry appliance. 3,232,433, 2–1–66, Cl. 210—144.
Cobb, Clifton A., and V. W. Cuthbert, to Whirlpool Corp. Pellet dispenser. 3,233,778, 2–8–66, Cl. 221—232.
Cobb, Clifton A., J. T. Williams, and W. F. Gourdeau, to Whirlpool Corp. Heat and blower control for a dryer. 3,239,945, 3–15–66, Cl. 34—45.
Cobb, Clifton A., and K. D. Salisbury, to Whirlpool Corp. Laundry extractor having fabric adhesion reducing means. 3,258,124, 6–28–66, Cl. 210—380.
Cobb, Clifton A., W. F. Gourdeau, and J. T. Williams, to Whirlpool Corp. Clothes dryer and control therefor. 3,286,361, 11–22–66, Cl. 34—31.
Cobb, Clifton A., and G. R. Severance, to Whirlpool Corp. Control for continually varying tumble speed. 3,293,889, 12–27–66, Cl. 68—12.
Cobb, David A., to International Harvester Co. Rotary heat exchanger drum construction. 3,242,977, 3–29–66, Cl. 165—10.
Cobb, Delwin E., and L. K. Heinold, to Caterpillar Tractor Co. Bulldozer with adjustable stinger bit. 3,238,648, 3–8–66, Cl. 37—144.
Cobb, Donald J., to Whiteway Mfg. Co. Line beam illuminator. 3,254,205, 5–31–66, Cl. 240—3.
Cobb, Edward S., and C. F. Jackson, to Owens-Corning Fiberglas Corp. Apparatus for producing novelty bulked yarn. 3,262,177, 7–26–66, Cl. 28—1.
Cobb, James S., Jr., and G. T. Esry, to E. I. du Pont de Nemours and Co. Spinneret production. 3,279,233, 10–18–66, Cl. 72—333.
Cobb, Joseph R., Jr., to Phillips Petroleum Co. Control of conversion in reaction train. 3,255,161, 6–7–66, Cl. 260—83.7.
Cobb, Lewis A., W. R. Marshall, C. R. Sumner, and T. Walker, to Halliburton Co. System for determining fluid flow rate in boreholes. 3,255,347, 6–7–66, Cl. 250—43.5.
Cobb, Raymond L.: *See*—
Louthan, Rector P., Bresson, and Cobb. 3,257,301.
Louthan, Rector P., and Cobb. 3,278,526.
Cobb, Raymond L., to Phillips Petroleum Co. N-vinyl amides and lactams as plasticizers for polyurethane potting and adhesive compositions. 3,252,819, 5–24–66, Cl. 106—244.
Cobb, Sanford, Jr., and W. W. Petryk, to Minnesota Mining and Mfg. Co. Cartridge for light-sensitive material. 3,249,033, 5–3–66, Cl. 95—19.
Cobb, William E. Key ring. 3,242,709, 3–29–66, Cl. 70—459.
Cobble-Laboratory & Co.: *See*—
Ishii, Teruji. 3,292,419.
Cobbledick, David S., and R. R. Reschetz, to A. E. Staley Mfg. Co. Polymeric caulking material. 3,251,603, 5–17–66, Cl. 277—198.

Cobbs, James H., H. L. Bolen, and A. Gonzalez, to Fenix & Scisson, Inc. Casing centraliser. 3,282,349, 11–1–66, Cl. 166—241.
Coberly, Clarence J., to Kobe, Inc. Apparatus for running equipment into and out of offshore well completions. 3,239,004, 3–8–66, Cl. 166—.5.
Coberly, Clarence J., F. B. Brown, and C. P. Williams, to Kobe, Inc. High speed triplex pump. 3,238,892, 3–8–66, Cl. 103—216.
Coberly, Clarence J., F. B. Brown, and C. P. Williams, to Kobe, Inc. High speed triplex pump. 3,249,062, 5–3–66, Cl. 103—202.
Cobey Corp., The: *See*—
Appleman, William S. 3,258,140.
Randall, Francis R., and Appleman. 3,257,011.
Cobine, James D., and R. H. Johnston, to General Electric Co. Double-break vacuum switch with bellows mounted movable bridging contact. 3,283,101, 11–1–66, Cl. 200—144.
Coblentz, Charles W., to Mutual Ice Co. Ice cutting machine. 3,261,383, 7–19–66, Cl. 143—38.
Coblenz, Jack: *See*—
Cook, Lionel H. J., and Coblenz. 3,243,141.
Coblits, Sanford E. Tool for fracturing pipe. 3,283,978, 11–8–66, Cl. 225—103.
Coburn, Carroll R., and P. Mygatt, to Interchemical Corp. Transfer ink. 3,249,448, 5–3–66, Cl. 106—31.
Coburn, Clara M.: *See*—
Coburn, Wallace A. 3,289,936.
Coburn, Clare W.: *See*—
Coburn, Wallace A. 3,289,936.
Coburn, Franklin W. Trailer tongue elevator. 3,273,858, 9–20–66, Cl. 254—86.
Coburn, James H.: *See*—
Coburn, Wallace A. 3,289,936.
Coburn, Kenneth G., to Armco Steel Corp. Method for producing highly ductile metallic coated ferrous sheet and strip. 3,228,810, 1–11–66, Cl. 148—16.
Coburn Mfg. Co., Inc.: *See*—
Coburn, Orin W., Suddarth, and Ganther. 3,289,355.
Coburn, Orin W., J. M. Suddarth, and F. E. Ganther, to Coburn Mfg. Co., Inc. Automatic lens grinding machine. 3,289,355, 12–6–66, Cl. 51—33.
Coburn, Richard J.: *See*—
Farkas, Thomas P., and Coburn. 3,248,608.
Coburn, Richard J., to Dynamics Controls Corp. Radio noise-free switch. 3,237,030, 2–22–66, Cl. 307—130.
Coburn, Wallace A., deceased, by C. W., J. H. and C. M. Coburn, executors. Humidification apparatus for forced air heating system. 3,289,936, 12–6–66, Cl. 236—44.
Coby, George, to Coby Glass Products Co., Inc. Package for frangible articles. 3,228,518, 1–11–66, Cl. 206—45.19.
Coby Glass Products Co., Inc.: *See*—
Coby, George. 3,228,518.
Coca-Cola Co., The: *See*—
Atkinson, Jerry T., and Jacobs. 3,244,316.
Brent, Jewell A., Du Bois, and Huffman. 3,248,233.
Walz, David K., and Burnette. 3,292,801.
Cocca, Ubert, and R. Pecoraro, to International Business Machines Corp. Light switching means. 3,247,765, 4–26–66, Cl. 88—61.
Cocca, Ubert, and R. Pecoraro, to International Business Machines Corp. Light switching means for selectively controlling the intensity of a light beam. 3,285,130, 11–15–66, Cl. 88—61.
Cocchiarella, Otell M. Sewage filter and press. 3,273,494, 9–20–66, Cl. 100—121.
Cocco, Eugene R., and E. C. Hardesty; said Cocco assor. to Bell Telephone Laboratories, Inc., and said Hardesty assor. to Western Electric Co., Inc. Connection for attaching metal foil to plastic substrate. 3,293,106, 12–20–66, Cl. 161—112.
Cochet, Ernest C., to Houilleres du Bassin de Lorraine Faulquemont. Automatic sampler with scooping-wheel. 3,280,635, 10–25–66, Cl. 73—424.
Cochran, Clarence W., deceased, by L. F. Cochran, administratrix, to United-Carr Inc. Paper constructed snap fastener. 3,229,342, 1–18–66, Cl. 24—208.
Cochran and Co., Annan Ltd.: *See*—
Page, Harold A., and Gunn. 3,262,485.
Cochran, Donald J., to Ampex Corp. Circuit for detecting and indicating peak values of randomly varying signals with capacitor storage means. 3,281,686, 10–25–66, Cl. 324—103.
Cochran, Donald J., and D. M. Patterson, to Ampex Corp. Read-write amplifier circuit. 3,261,004, 7–12–66, Cl. 340—174.1.
Cochran, Donald J., and D. M. Patterson, to Ampex Corp. Servo system that is insensitive to tape flutter error. 3,271,526, 9–6–66, Cl. 179—100.2.
Cochran, George P. Utility cart. 3,255,905, 6–14–66, Cl. 214—372.
Cochran, George P. Manicure device. 3,292,202, 12–20–66, Cl. 15—610.
Cochran, John K., to Pittsburgh Plate Glass Co. Method and apparatus for forming fibers. 3,256,079, 6–14–66, Cl. 65—2.
Cochran, Lois F.: *See*—
Cochran, Clarence W. 3,229,342.
Cochran, Ulrich D., and M. A. Di Cosola, to Orthopaedic Specialties Corp. Apparatus for treatment of bone fracture. 3,255,747, 6–14–66, Cl. 128—92.
Cochran, William W. Diverter element arrangement. 3,235,051, 2–15–66, Cl. 193—23.
Cochran, William W. Unloading and sweeping machine. 3,247,951, 4–26–66, Cl. 198—140.
Cochran, William W. Grain distributor with indexing and lifting rotors. 3,250,445, 5–10–66, Cl. 112.22—478.
Cochran, William W. Fertilizer mixer. 3,294,373, 12–27–66, Cl. 259—107.
Cochrane, Richard H., to Pratt Mfg. Corp. Rotatably driven apparatus for producing parallel movement of cooperating blades. 3,288,013, 11–29–66, Cl. 83—328.
Cochrane, Robert B., to Minnesota Mining and Mfg. Co. Hub structure adjustable for different reels. 3,278,134, 10–11–66, Cl. 242—68.3.
Cochrane, Thomas: *See*—
O'Donahue, James, and Cochrane. 3,277,641.
Cochrell, James L., to Leeds and Northrup Co. Push-pull full-wave magnetic amplifier. 3,271,690, 9–6–66, Cl. 330—8.
Cocker, John, III, to Cocker Machine & Foundry Co. Yarn package adapter. 3,227,395, 1–4–66, Cl. 242—129.5.
Cocker, John, III, to Cocker Machine & Foundry Co. Apparatus for sizing textile yarns. 3,280,441, 10–25–66, Cl. 28—28.
Cocker, John D.: *See*—
Cox, James S. G., Fazakerley, and Cocker. 3,278,531.
Cocker, John D., to Glaxo Laboratories Ltd. Derivatives of cephalosporin C and related compounds and a method of the synthesis thereof. 3,258,461, 6–28–66, Cl. 260—243.
Cocker Machine & Foundry Co.: *See*—
Cocker, John III. 3,227,395.
Cocker, John, III. 3,280,441.
Manning, George. 3,263,297.
Cockeram, Herbert S., to Gillespie-Rogers-Pyatt Co., Inc. Coating compositions comprising the reaction product of esterified shellac and an epoxy resin. 3,267,059, 8–16–66, Cl. 260—24.
Cockeram, Herbert S., to Gillespie-Rogers-Pyatt Co., Inc. Shellac ester-epoxycycloalkane compositions. 3,267,088, 8–16–66, Cl. 260—103.
Cockerell, Christopher S., to Hovercraft Development Ltd. Ground effect machine with permeable material support member. 3,232,366, 2–1–66, Cl. 180—7.
Cockerell, Christopher S., to Hovercraft Development Ltd. Air cushion vehicles having flexible skirts deflectable by subsidiary cushion pressure. 3,244,244, 4–5–66, Cl. 180—7.
Cockerell, Christopher S., to Hovercraft Development Ltd. Load lifting devices. 3,248,086, 4–26–66, Cl. 254—93.
Cockerell, Christopher S., to Hovercraft Development Ltd. Air cushion vehicles having movable cushion-containing walls. 3,272,271, 9–13–66, Cl. 180—7.
Cockerell, Christopher S., to Hovercraft Development Ltd. Vehicles for travelling over land and/or water. 3,273,663, 9–20–66, Cl. 180—7.
Cockerell, Christopher S., to Hovercraft Development Ltd. Foils for movement in a fluid. 3,275,266, 9–27–66, Cl. 244—42.
Cockerell, Christopher S., to Hovercraft Development Ltd. Vehicles for travelling over a surface. 3,276,392, 10–4–66, Cl. 104—23.
Cockerell, Christopher S., to Hovercraft Development Ltd. Propulsion of flexible-skirted air cushion supported vehicles by oscillating the skirt. 3,279,416, 10–18–66, Cl. 115—28.
Cockerell, Christopher S., to Hovercraft Development Ltd. Vehicles for travelling over land and/or water. 3,285,356, 11–15–66, Cl. 180—7.
Cockerell, Christopher S., and L. A. Hopkins, to Hovercraft Development Ltd. Ribbed cushion bounding walls for ground effect machines. 3,249,166, 5–3–66, Cl. 180—7.
Cockerill, Francis G.: *See*—
Cleaver, Richard F., Cockerill, and Cox. 3,234,531.
Cockerill-Ougree Societe Anonyme: *See*—
Levaux, Jean M. 3,284,069.
Cockrell, Eldridge H.: *See*—
James, Forrest H., Jr., Cockrell, and Nixon. 3,270,390.
Cockrell, Gary E., to Merritt R. K. Production, Inc. Legend board. 3,246,413, 4–19–66, Cl. 40—140.
Cockrell, James L., J. H. Magee, and V. S. Underkoffler, to Leeds and Northrup Co. Automatic testing of bistate systems. 3,248,721, 4–26–66, Cl. 340—253.
Cockrell, William D., to General Electric Co. Polyphase motor control arrangement. 3,227,936, 1–4–66, Cl. 318—138.
Cockrell, William D., to General Electric Co. Circuit for controlling energization of a direct current load. 3,242,410, 3–22–66, Cl. 318—331.
Cocks, George G., to United States Steel Corp. Apparatus for exhibiting coupling-thread contour. 3,269,264, 8–30–66, Cl. 88—24.
Coda, Nello, and J. J. Walsh, to Erie Technological Products, Inc. Multiple pin connector having ferrite bead-capacitor filter. 3,275,953, 9–27–66, Cl. 333—79.
Coda, Nello, and J. J. Walsh, to Erie Technological Products, Inc. Multiple connector wherein pins have limited movement within housing and each pin has integral low-pass filter. 3,275,954, 9–27–66, Cl. 333—79.
Codamite Corp.: *See*—
Takenaka, George. 3,252,142.
Code, Rheta M. H., and J. B. Lindecker. Racing boots for horses. 3,248,853, 5–3–66, Cl. 54—82.
Code, Rheta M. H., and J. B. Lindecher. Racing boots for horses. 3,284,989, 11–15–66, Cl. 54—82.

Codet, Howard G., and J. W. Herrmann, to Esso Research and Engineering Co. HF deasphalting for hydrocracking feed preparation. 3,281,350, 10–25–66, Cl. 208—62.

Codichini, Joseph J., R. W. Eichler, and T. F. Hayne, to Xerox Corp. Xerographic charging apparatus. 3,275,837, 9–27–66, Cl. 307—2.

Cody, Fremont, to Weyerhaeuser Co. Veneer sorting and stacking machine. 3,227,275, 1–4–66, Cl. 209—125.

Cody, George D., and B. Abeles, to Radio Corp. of America. Thermoelectric device having silicon-germanium alloy thermoelement. 3,279,954, 10–18–66, Cl. 136—205.

Cody, Russell K. Solid particle spray apparatus. 3,258,207, 6–28–66, Cl. 239—336.

Coe, Edgar H. Lineman's gin pole. 3,266,775, 8–16–66, Cl. 254—127.

Coe, Guy R., Jr.: *See*—
Sternoff, Arthur, Richards, and Coe. 3,234,837.

Coe, James H., to Samuel Moore and Co. Composite tubing. 3,245,431, 4–12–66, Cl. 138—125.

Coe Mfg. Co., The: *See*—
Foltz, Roger H., Jr. 3,273,688.
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Coe, Merrill J., to KVP Sutherland Paper Co. Roll-dispensing carton. 3,246,742, 4–19–66, Cl. 206—58.

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Cohen, Alvin J., to Pittsburgh Plate Glass Co. Phototropic glass and method. 3,278,319, 10–11–66, Cl. 106—52.

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Cohen, Arthur M. Electromagnetic relay with dashpot type time delay device. 3,284,733, 11–8–66, Cl. 335—61.

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Colby, Edward E., and J. W. Phenix, to The Procter & Gamble Co. Sweetened peanut food. 3,278,314, 10–11–66, Cl. 99—128.

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Colby, George V., Jr., to Laboratory for Electronics, Inc. Variable phase shifter with internal readout. 3,246,241, 4–12–66, Cl. 324—83.

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Cole, Everett N., Jr., E. P. Andrews, and D. F. O'Brien, to Transitron Electronics Corp. Test and transfer mechanism. 3,239,060, 3–8–66, Cl. 209—73.

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Conca, Romeo J., A. Beelik and F. W. Herrick, to Rayonier Inc. Resorcinol-formaldehyde cold-setting adhesives and process for preparing same. 3,238,158, 3–1–66, Cl. 260—14.

Concannon, Virgil K. Gas-driven timer. 3,230,323, 1–18–66, Cl. 200—33.

Concast AG.: *See*—
Colombo, Enzo. 3,292,216.
Taylor, Alan K., and Turnovszky. 3,292,215.
Thalmann, Armin. 3,237,251.
Thalmann, Armin. 3,270,376.

Concept Development Corp.: *See*—
Soderholm, Alexius and S. A. 3,273,193.

Conch International Methan Ltd.: *See*—
Bodle, William W., and Young. 3,285,719.
Brocoff, Jack, Orbach, and Sunderland. 3,257,815.
Carr, Jackson O. 3,261,167.
Harmens, Alexander. 3,255,418.
Harmens, Alexander. 3,261,169.
Harmens, Alexander. 3,283,521.
Hashemi-Tafreshi, Hadi. 3,236,057.
Hashemi-Tafreshi, Hadi. 3,257,813.
Huntress, Charles O., and Proctor. 3,241,707.
Nachshen, Maurice. 3,249,251.
Nachshen, Maurice. 3,283,511.
Nachshen, Maurice. 3,285,014.
Ploum, Arnold J. W., and Hashemi-Tafreshi. 3,241,933.
Proctor, Russell C., and Weinstein. 3,241,274.
Sanger, Frederick J. 3,292,377.
Schlumberger, Etienne M. 3,261,087.
Schlumberger Etienne M. 3,267,680.
Soesan, Joseph M. 3,276,213.

Concho Petroleum Co.: *See*—
Karcher, John C. 3,264,084.

Conchon, André F., and E. R. Maspero. Cylinder supporting and separating mechanism for cloth printing machines. 3,229,629, 1–18–66, Cl. 101—182.

Conco Engineering Works, Inc.: *See*—
Fountain, Sherman W., and Thompson. 3,232,455.
Olsen, Robert A. 3,259,351.
Olsen, Robert A. 3,259,352.
Concordia Maschinen- und Elektrizitats G.m.b.H.: *See*—
Nill, Rudolf. 3,265,089.
Rossenbeck, Heins. 3,273,095.
Concrete Building Units Co., Inc.: *See*—
Lacy, Johnson W., and Brown. 3,255,897.
Concrete Masonry Corp.: *See*—
Richmond, Gordon R. 3,239,913.
Concrete Placement Systems, Inc.: *See*—
Giardino, Mario D., Van Der Plaats, and Zimmermann. 3,276,695.
Concrete Thermal Casings, Inc.: *See*—
Loper, Lincoln L., and Ziegler. 3,227,788.
Ziegler, George E. 3,254,012.
Concut, Inc.: *See*—
Hatcher, Cecil W. 3,269,775.
Hatcher, Cecil W. 3,272,560.
Hatcher, Cecil W. 3,273,939.
Hatcher, Cecil W. 3,291,532.
Condax, Louis M., to Eastman Kodak Co. Print-out element. 3,253,918, 5–31–66, Cl. 96—44.
Conde-Garriga, Mario. Apparatus for selecting filing cards. 3,263,686, 8–2–66, Cl. 129—16.1.
Conder, Christy F., ⅓ to J. Leclair, and ⅓ to R. Conder Disposable toothbrush. 3,231,925. 2–1–66. Cl. 15—605.
Conder, Nathaniel H., and H. C. Harris. Method of precasting masonry panels. 3,231,646, 1–25–66, Cl. 264—86.
Conder, Ronald: *See*—
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Condict, Edgar R., to Bio-Tronics Research, Inc. Telephone adapter. 3,254,159, 5–31–66, Cl. 179—41.
Condo, Albert C., Jr., to The Atlantic Refining Co. Stabilized gasoline antiknock compositions and gasoline containing same. 3,261,674, 7–19–66, Cl. 44—69.
Condolios, Elie, to Societe Grenobloise d'Etudes et d'Applications Hydrauliques. Process and apparatus for hydraulically sorting a mixture containing fine particulate material. 3,240,336, 3–15–66, Cl. 209—157.
Condolios, Elie, to Societe Grenobloise d'Etudes et d'Applications Hydrauliques. Hydraulic plants for surfacing ores, 3,244,455, 4–5–66, Cl. 302—14.
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Condon, Harry F. to Owens-Illinois Glass Co. Glass pipe coupling. 3,235,293, 2–15–66, Cl. 285—283.
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Condon, Stanley E., to American Machine & Foundry Co. Bowling score sheet film positioning and holding device. 3,288,026, 11–29–66, Cl. 88—24.
Condon, William T., to Twin Disc Clutch Co. Damping connector for a power train. 3,263,450, 8–2–66, Cl. 64—26.
Condra, Elmo L. Oil well scraper. 3,251,418, 5–17–66, Cl. 166—173.
Condray, Vernon D. Convertible top for bicycle. 3,256,034, 6–14–66, Cl. 296—102.
Condry, Wayne M. Lineman's safety bridge. 3,234,497, 2–8–66, Cl. 339—29.
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Antul, John J., and Swanberg. 3,294,891.
Brueggemann, Harry P. 3,286,590.
Evans, Henry L. 3,273,559.
Grau, Richard. 3,270,841.
Ingalls, Arthur L. 3,253,499.
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Turnblade, Richard C. 3,285,001.
Condy, John H., and V. W. Sparrow, to Bell Punch Co. Ltd. Printing and punching machines. 3,247,784, 4–26–66, Cl. 101—19.
Condy, John H., V. W. Sparrow, and J. D. Campbell, to Bell Punch Co. Ltd. Taximeters. 3,254,833, 6–7–66, Cl. 235—30.
Cone, Clarence D., Jr., to United States of America, National Aeronautics and Space Administration. Minimum induced drag airfoil body. 3,270,988, 9–6–66, Cl. 244—35.
Cone, George W., to General Micro-Electronics Inc. Electrostatic stencil apparatus for matrix printers. 3,277,818, 10–11–66, Cl. 101—92.
Conery, William J., to Hydr-O-Matic Pump Co. Self-priming sewage and trash pump. 3,247,801, 4–26–66, Cl. 103—103.
Conery, William J., to Hydr-O-Matic Pump Co. Sewage lift station. 3,247,864, 4–26–66, Cl. 137—394.
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Cones, Van Buren, 50% to B. Cones. Headlamp for both day and night driving. 3,262,011, 7–19–66, Cl. 315—82.
Coney, Charles H., and W. E. Draper, to Eastman Kodak Co. Process of applying a color finish to wood. 3,236,674, 2–22–66, Cl. 117—10.
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Coney, Charles H., and R. M. Simons, to Eastman Kodak Co. Coating compositions containing butyric acid esters of cellulose. 3,282,716, 11–1–66, Cl. 106—186.
Confeld, James D., to General Dynamics Corp. Magnetic recorder control system. 3,251,045, 5–10–66, Cl. 340—174.1.
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Congdon, George L., L. L. Peiffer, and L. F. Perry, to Bergstrom Mfg. Co. Magnetic drive or coupling. 3,249,777, 5–3–66, Cl. 310—104.
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Congelli, Henry C., to American Machine & Foundary Co. Bowling ball lift control mechanism. 3,237,948, 3–1–66, Cl. 273—49.
Congelli, Henry C., to American Machine & Foundry Co. Bowling pin cleaning machine. 3,277,506, 10–11–66, Cl. 15—4.
Congelli, Henry C., and J. D. Elliott, to American Machine & Foundry Co. Reversible pit conveyor for bowling lane. 3,237,942, 3–1–66, Cl. 273—43.
Congelli, Henry C., and G. W. Hays, to American Machine & Foundry Co. Spotting-respotting table with apertures through which pins are lowered from a horizontal position for spotting and through which pins extend for respotting. 3,245,684, 4–12–66, Cl. 273—43.
Congelli, Henry C., G. W. Hays, and C. E. Schon, to American Machine & Foundry Co. Pivoting distributor conveyor adapted to deliver pins selectively from the sides and free end thereof. 3,248,108, 4–26–66, Cl. 273—43.
Conger, Gerald A., to Barber-Greene Co. Molding process for manufacture of cast bars. 3,249,971, 5–10–66, Cl. 22—193.
Conger, Gerald A., to Barber-Greene Co. Press machine for forming foundry molds or cores. 3,263,282, 8–2–66, Cl. 22—35.
Conger, Norman L, to Continental Oil Co. Anodic polarization system. 3,280,020, 10–18–66, Cl. 204—196.
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Carlisle, Robert A., and Pecker. 3,239,364.
Harkins, Joseph C., Jr., and Ehrenfeld. 3,278,322.
Harkins, Joseph C., Jr., Ehrenfeld, and Eitzel. 3,265,548.
Keel, Donald K. 3,257,252.
Kupits, John J. 3,282,780.
Nairn, R. Frank, Harkins, Ehrenfeld, and Tarlow. 3,293,094.
Nairn, R. Frank, Harkins, Ehrenfeld, and Tarlow. 3,293,108.
Palmer, Leon B. 3,276,904.
Pecker, Calman. 3,259,515.
Petry, Robert K. 3,239,365.
Conia, André E. Indexes for telephone numbers. 3,276,155, 10–4–66, Cl. 40—65.
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Conigliaro, Thomas S., ½ to N. Conigliaro. Automatic thermal cutout for use with mail box indicator and door signal. 3,258,564, 6–28–66, Cl. 200—116.
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Coniker, Jerome F., to Coniker Enterprises, Inc. Three-section folder. 3,227,471, 1–4–66, Cl. 281—31.
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Conix, Andre J., to Gevaert Photo-Producten N.V. Onium catalysts for polyester preparation. 3,280,195, 1–18–66, Cl. 260—47.
Conix, André J., and U. L. Laridon, to Gevaert Photo-Producten N.V. Process for preparing high-molecular weight thermoplastic polyethiocarbonates. 3,227,684, 1–4–66, Cl. 260—47.
Conix, Andre J., and L. M. Dohmen, to Gevaert Photo-Producten, N.V. Process of preparing polycarbonates. 3,271,364, 9–6–66, Cl. 260—47.
Conix, Andre J., and U. L. Laridon, to Gevaert Photo-Producten N.V. Photopolymerization of ethylenically unsaturated organic compositions. 3,278,304, 10–11–66, Cl. 96—35.1.
Conklin, Clement L., Jr., to Martin-Marietta Corp. Pyrotechnic roll reference gyro. 3,267,748, 8–23–66, Cl. 74—5.12.
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Conklin, George D. 3,289,285.
Conklin, George D., to G. D. Conklin, doing business as Conklin Equipment Co. Machine for removing brake lining. 3,289,285, 12–6–66, Cl. 29—233.
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MacRitchie, Arthur L., and Conklin. 3,270,547.
Conklin, George E., J. J. Heigl, and J. A. Wilson, to Esso Research and Engineering Co. Pour point apparatus. 3,248,928, 5–3–66, Cl. 73—17.
Conklin, Joseph P., to Pitney-Bowes, Inc. Mis-feed detecting system. 3,264,630, 8–2–66, Cl. 340—259.
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Conklin, Robert M., F. E. Satchell, and W. L. Jolitz, to Brunswick Corp. Bowling pin base and pin including same. 3,232,616, 2–1–66, Cl. 273—82.
Conklin, Robert M., J. J. Weisz, and A. W. Rytina, to Brunswick Corp. Bowling pin with vibrating core. 3,240,494, 3–15–66, Cl. 273—82.
Conklin, Robert M., F. E. Satchell, and F. W. Berry, to Brunswick Corp. Bowling pin having decreased neck checking tendencies. 3,248,115, 4–26–66, Cl. 273—82.
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Stentz, Blair E., and Conklin. 3,275,393.
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Eversman, Carl A., and Conley. 3,243,246.
Conley, George H., to United States of America, Atomic Energy Commission. Long lifetime nuclear reactor. 3,252,867, 5–24–66, Cl. 176—18.
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Butcher, Clarence E., and Conley. 3,232,807.
Conley, James W., to Philco Corp. Sequential registration scheme. 3,245,794, 4–12–66, Cl. 96—44.
Conley, John P. Asphalt composition and process. 3,264,127, 8–2–66, Cl. 106—160.
Conley, Kurt H., and A. J. Tenner, to Entoleter, Inc. Centrifugal impacting apparatus. 3,229,923, 1–18–66, Cl. 241—253.
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Conn, C. G., Ltd.: *See*—
McDonald, Lyell J. 3,252,079.
Wolfanger, Curt R. 3,253,078.
Conn, Mervin E., to United States of America, Atomic Energy Commission. Decontamination of organic moderator-coolants. 3,243,380, 3–29–66, Cl. 252—301.1.
Conn, Robert B., to Pametrada. Dynamic wheel test apparatus. 3,292,425, 12–20–66, Cl. 73—67.
Conn, Theodore R.: *See*—
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Connally, Carl, Jr., E. B. Elfrink, and L. G. Sharp, to Socony Mobil Oil Co., Inc. Recovery method for petroleum oil. 3,253,652, 5–31–66, Cl. 166—2.
Connally, Carl, Jr., E. B. Elfrink, and L. G. Sharp, to Mobil Oil Corp. Secondary recovery of oil from a subterranean formation. 3,262,498, 7–26–66, Cl. 166—9.
Connally, Carl, Jr., and F. R. Scauzillo, to Mobil Oil Corp. Miscible displacement procedure using a water bank. 3,270,809, 9–6–66, Cl. 166—9.
Connaught, Phillip M., to Robertshaw Controls Co. Vibration responsive pneumatic switch and system. 3,267,725, 8–23–66, Cl. 73—71.
Connecticut Research Associates, Inc.: *See*—
Annable, Paul G., and Dasher. 3,255,904.
Annable, Paul G., and Dasher. 3,257,005.
Annable, Paul G., and Dasher. 3,257,015.
Connecticut Scientific Center, Inc.: *See*—
George, Edward T., and Allen. 3,293,749.
Connecticut Technical Corp.: *See*—
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Connell, Calvin C., to Crusader Marine Corp. Engine. 3,263,663, 8–2–66, Cl. 123—195.
Connell, Calvin C., to Crusader Marine Corp. Exhaust elbow. 3,283,498, 11–8–66, Cl. 60—30.
Connell, Christina T.: *See*—
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Connell, John G. Method and apparatus for making aggregate. 3,260,513, 7–12–66, Cl. 263—28.
Connell, John M., to Foster Wheeler Corp. Economizer support. 3,267,914, 8–23–66, Cl. 122—510.
Connell, Lawrence H., and L. A. Moe, to F. H. Peavey & Co. Apparatus for high frequency treatment of ore. 3,233,030, 2–1–66, Cl. 13—10.
Connell, Lawrence H., and L. A. Moe, to F. H. Peavey & Co. Apparatus for treatment of ore. 3,261,959, 7–19–66, Cl. 219—10.55.
Connell, Paul D. Anti-skid chain. 3,251,392, 5–17–66, Cl. 152—228.
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Chiou, Charles, Connell, and Seraphim. 3,244,557.
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Connelly, Francis X., A. S. Lichtenberg, and N. G. Erhardt, to Litton Industries, Inc. Bridge support for rotary reclaimer. 3,246,775, 4–19–66, Cl. 214—10.
Connelly, Nicholas C., to S. H. Camp & Co. Abduction splint. 3,260,259, 7–12–66, Cl. 128—87.
Connelly, Nicholas C., to S. H. Camp & Co. Back brace. 3,282,264, 11–1–66, Cl. 128—78.
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Dwyer, James L., and Connelly. 3,271,999.
Connelly, Thomas J., to Allied Chemical Corp. Method and composition for joining of aluminum and dissimilar metals. 3,287,540, 11–22–66, Cl. 219—118.
Conner, Charles J., to United States of America, Agriculture. Reaction products of copper and mercury salts and process for rendering cotton fabric rot resistant therewith. 3,291,635, 12–13–66, Cl. 117—138.5.
Conner, Donald J. Bottle decasing apparatus. 3,244,303, 4–5–66, Cl. 214—309.
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Conner, John W., P. W. Evans, A. J. Isacks, Jr., and C. P. Neiswender, Jr., to Monsanto Co. Process for catalytic hydrogenation of adiponitrile. 3,272,866, 9–13–66, Cl. 260—583.
Conner, John W., P. W. Evans, A. J. Isacks, Jr., and C. P. Neiswender, Jr., to Monsanto Co. Process for catalytic hydrogenation of adiponitrile. 3,272,867, 9–13–66, Cl. 260—583.
Conner, Leonard E., to Wagner Electric Corp. Equipment protection means. 3,262,014, 7–19–66, Cl. 317—13.
Conner, Leonard E., to Wagner Electric Corp. Time delay circuit. 3,277,320, 10–4–66, Cl. 307—141.
Conner, Lyman C., to Flexible-Air Seat Corp. Pneumatic cushioning seat support with variable cushioning and snubbing diaphragm action. 3,235,221, 2–15–66, Cl. 248—400.
Conner, Lyman C., to Flexible-Air Seat Corp. Adjustable seat apparatus. 3,285,308, 2–15–66, Cl. 297—337.
Conners, Joseph E., to Bell Aerospace Corp. Transport means. 3,257,964, 6–28–66, Cl. 104—134.
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Brown, Jerry H., and Conning. 3,294,671.
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Connolly, Lewis T., and T. C. Montrois, to Eastman Kodak Co. "Lith" developers containing water soluble block polymers of polyoxypropylene and polyoxyethylene. 3,272,628, 9–13–66, Cl. 96—66.
Connolly, Patrick J., to United States of America, Army. Ornamental button. 3,249,974, 5–10–66, Cl. 24—113.
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Connor, James F. Dual tire wheel assembly. 3,276,500, 10–4–66, Cl. 152—153.
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Connors, Myles F. Portable ice maker. 3,226,944, 1–4–66, Cl. 62—233.
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Connoy, Eugene N., R. W. Hoffmann, J. W. Parkin, and C. H. Whitmore, to Continental Machines, Inc. Variable volume pump with protection against overheating. 3,272,138, 9–13–66, Cl. 103—120.
Conover, George M. Wire feed device. 3,262,622, 7–26–66, Cl. 226—127.
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Conover, Louis S., Jr., and P. M. Kintner, to Cutler-Hammer, Inc. Counter totalizer for randomly occurring signals from a plurality of sources. 3,268,710, 8–23–66, Cl. 235—92.
Conover, Robert E., to The Timken Roller Bearing Co. Drill bit and locking means. 3,260,319, 7–12–66, Cl. 175—382.
Conover, Sara A. Electric clothes sprinkler. 3,288,375, 11–29–66, Cl. 239—332.
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Conover, William J., to Black, Sivalls & Bryson, Inc. (B. S. & B.). Farm animal feeding house. 3,229,663, 1–18–66, Cl. 119—16.
Conover, William J., to Black, Sivalls & Bryson, Inc. (B. S. & B.). Material agitator device and method of agitation. 3,235,232, 2–15–66, Cl. 259—97.
Conover, William J. Livestock raising building. 3,261,324, 7–19–66, Cl. 119—16.
Conover, William J., to Black, Sivalls & Bryson, Inc. (B. S. & B.). Multiple floor livestock feeding and farrowing building. 3,283,744, 11–8–66, Cl. 119—15.
Conrad, Hans-Joachim, to Beteiligungs- und Patentverwaltungsgellschaft mit beschrankter Haftung. Sealing arrangement for use in connection with rotary displacement means, especially for hydrostatic converters. 3,279,392, 10–18–66, 103—202.
Conrad, Ivan W. Secure conference systems. 3,229,429, 1–18–66, Cl. 52—2.
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Cook, George L., Sr., and R. H. Bloom, to Julian B. Rozier. Fish scaling device. 3,270,368, 9–6–66, Cl. 17—7.

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Cook, Leonard W., to General Electric Co. Mercury switch. 3,265,844, 8–9–66, Cl. 200—152.

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Cook, Lionel H. J., and J. Coblenz, ½ to Kidd, Ingledow & Associates Ltd. Wire or cable stringing device. 3,243,141, 3–29–66, Cl. 242—129.

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Cook, Paul A.: *See*—
Bright, Gordon S., Pitman, and Cook. 3,242,088.

Cook, Paul M., to Raychem Corp. Reinforced article and process. 3,253,618, 5–31–66, Cl. 138—125.

Cook, Paul M., and F. R. Young, to Raychem Corp. Heat recoverable reinforced article and process. 3,253,619, 5–31–66, Cl. 138—135.

Cook, Peter A.: *See*—
Frate, Roland A., Cook, and Elsom. 3,280,443.

Cook, Ralph H., to S & C Electric Co. Control for switch means. 3,227,925, 1–4–66, Cl. 317—58.

Cook, Ralph J., to Semco Sales & Service, Inc. System for handling and dispensing liquid sealant. 3,255,788, 6–14–66, Cl. 141—25.

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Cook, Ralph W. Apparatus for recovering essence-bearing vapors. 3,293,150, 12–20–66, Cl. 202—160.

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Cook, Richard F. to Westinghouse Electric Corp. Electrical apparatus. 3,295,018, 12–27–66, Cl. 317—23.

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Cook, Robert F., Jr. Electric cable insulation cutter. 3,238,618, 3–8–66, Cl. 30—91.

Cook, Robert H. Card index case. 3,234,673, 2–15–66, Cl. 40—10.

Cook, Robert H., and H. J. Collins, Jr., said Collins assor. to said Cook. Card index case. 3,293,780, 12–27–66, Cl. 40—10.

Cook, Robert W., to C. W. Fuelling, Inc. Pipe joint locator comprising mobile transformer utilizing the pipe as low reluctance path between a primary and secondary. 3,273,054, 9–13–66, Cl. 324—37.

Cook, Robert W., and L. F. McBride, to C. W. Fuelling, Inc. Pipe cleaning apparatus. 3,267,504, 8–23–66, Cl. 15—104.14.

Cook, Robert Y. Neon type voltage detector. 3,234,464, 2–8–66, Cl. 324—122.

Cook, Roger A. Hanger for paintings and the like. 3,285,549, 11–15–66, Cl. 248—31.

Cook, Russell P., to Polaroid Corp. Photographic products containing polytetrafluoroethylene layer. 3,240,604, 3–15–66, Cl. 96—73.

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Cook, Thomas A., to United Shoe Machinery Corp. Reinforced beams for die cutting presses. 3,279,294 10–18–66, Cl. 83—538.

Cook, Thomas G., to The Dow Chemical Co. Brominator. 3,240,337, 3–15–66, Cl. 210—94.

Cook, Walter L., to Heath-Tecna Plastics, Inc. Automatic fish feeder. 3,231,314, 1–25–66, Cl. 302—49.

Cook, Wendell S., to The Firestone Tire & Rubber Co. 7-nitroso-7,14-diazadispiro-[5.1.5.2]-pentadecane-15-thione and lower alkyl derivatives thereof. 3,275,650, 9–27–66, Cl. 260—309.7.

Cook, Wilfred L. Low temperature power cycle. 3,234,738, 2–15–66, Cl. 60—59.

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Cooke, Brian A., to Imperial Chemical Industries Ltd. Treating cation-exchange membranes from styrenated polyethylene with a sulfonating reagent containing formaldehyde. 3,280,047, 10–18–66, Cl. 260—2.2.

Cooke, Claude E., Jr., W. O. Brown, and F. M. Perkins, Jr., to Esso Production Research Co. Method of oil recovery. 3,251,412, 5–17–66, Cl. 166—9.

Cooke, Conrad R. Photosensitive polyphase apparatus for detecting and indicating the extent of relative movement. 3,230,380, 1–18–66, Cl. 250—237.

Cooke, Edward V., to Imperial Chemical Industries Ltd. Process for preparing aromatic amines. 3,278,603, 10–11–66, Cl. 260—580.

Cooke, Edward V., and H. J. Thurlow, to Imperial Chemical Industries Ltd. Catalytic hydrogenation of nitro aromatic compounds to produce the corresponding amino compounds. 3,270,057, 8–30–66, Cl. 260—580.

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Lancaster, Jesse F. 3,276,639.

Cooke, Gordon M., to Esso Research and Engineering Co. Simple leakproof method of pumping liquids out of a vacuum. 3,233,620, 2–8–66, Cl. 137—2.

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Cookerly, Jack C., and G. R. Hall. Tone level control circuit. 3,256,381, 6–14–66, Cl. 84—1.27.

Cookerly, Jack C., and G. R. Hall, to Chicago Musical Instrument Co. Controlled harmonization for musical instruments. 3,283,056, 11–1–66, Cl. 84—1.01.

Cookney, Ernest W., and P. I. Petersen, to Dorr-Oliver Inc. Sedimentation tank having rotatable sediment conveying structure. 3,240,349, 3–15–66, Cl. 210—531.

Cookney, Ernest W., and P. I. Petersen, to Dorr-Oliver Inc. Sedimentation tank having rotatable sediment conveying structure. 3,241,682, 3–22–66, Cl. 210—528.

Cooksey, Otha. Web severing device. 3,272,049, 9–13–66, Cl. 83—371.

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Cookson, William, to Cookson Sheet Metal Developments Ltd. Machine and method for shaping sheet material. 3,251,209, 5–17–66, Cl. 72—181.

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Cooley, Charles R.: *See*—
Dempster, George R. 3,231,120.

Cooley, Charles R., to Tri-City Industrial Service, Inc. Push-pull device for containers. 3,272,546, 9–13–66, Cl. 294—2

Cooley, Gordon A., and P. Kaye, to The Deniston Co. Nail heading mechanism. 3,255,474, 6–14–66, Cl. 10—158.

Cooley, Gordon A., and C. Leavell, said Cooley assor., to Mechanical Research Corp. Vibrationless power tool. 3,266,581, 8–16–66, Cl. 173—162.

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Cooley, Stone D., and M. O. Robeson, to Celanese Corp. of America. Preparation of ethers of polyhydric alcohols. 3,281,476, 10–25–66, Cl. 260—615.

Cooley, William E., and P. L. Vanden Eynden, to The Procter & Gamble Co. Process for preparing cured particulate melamine-formaldehyde cleaning agents. 3,251,800, 5–17–66, Cl. 260—39.

Coombs, Jack A.: *See*—
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Coombs, John J. Vacuum cleaner. 3,256,680, 6–21–66, Cl. 55—320.

Coombs, Verner D., to General Electric Co. Fatigue testing shake table apparatus. 3,264,865, 8–9–66, Cl. 73—71.6.

Coombs, William F.: *See*—
Brumley, Corwin H., and Coombs. 3,242,428.

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Cooner, William W., to E. I. du Pont de Nemours and Co. Cyanoethyl carbohydrate caprolactam mixture. 3,266,919, 8–16–66, Cl. 106—178.

Cooney, James S., to Pylon Co., Inc. Female socket connector. 3,278,890, 10–11–66, Cl. 339—256.

Cooney, John J. Basement window trim means. 3,276,174, 10–4–66, Cl. 52—211.

Cooney, Lawrence J., E. T. Gaworski, and L. H. and A. A. Silverman, to General Wire Spring Co. Sewer augering machine with automatic feed mechanism and interchangeable drum means. 3,246,354, 4–19–66, Cl. 15—104.3.

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Coons, Waldo M., Jr., to E. I. du Pont de Nemours and Co. Apparatus for extruding molecular oriented pipe of thermoplastic resin. 3,241,186, 3–22–66, Cl. 18—14.

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Dowden, Clarence L., Jr., Coons, and Pitman. 3,242,087.
Green, William B., Jr., Coons, Pitman, and James. 3,242,085.
Hencke, William R., Coons, Dowden, and Green. 3,244,628.

Coons, Woodrow. Portable shower. 3,293,664, 12–27–66, Cl. 4—155.

Coope, Robert L. Micrometer caliper. 3,270,422, 9–6–66, Cl. 33—165.

Cooper, Abraham J. Dowel and clip assembly and its use in the manufacture of dental restorations. 3,286,350, 11–22–66, Cl. 32—40.

Cooper, Alan A., to Societe Anglo-Belge Vulcain SA. Nuclear reactor plant with means to vary composition of coolant-moderator. 3,239,423, 3–8–66, Cl. 176—42.

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Cooper, Albert H. Process for the recovery of fluorine values from gases evolved in the production of phosphates and phosphoric acid. 3,245,756. 4–12–66, Cl. 23—88.

Cooper, Albert S., Jr., A. L. Murphy, W. G. Sloan, and W. A. Reeves, to United States of America, Agriculture. Method of improving the dimensional stability and elastic recovery of all-cotton stretchable fabrics and products thereof. 3,285,690, 11–15–66, Cl. 8—116.3.

Cooper, Alfred S., to Central Transformer Corp. Electrical core manufacture. 3,253,439, 5–31–66, Cl. 72—17.

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Cooper, Cleveland N., to The Pandjiris Weldment Co. Turning roll assembly. 3,278,060, 10–11–66, Cl. 214—340.

Cooper, Clinton T. Manipulative conveyor system for elongated articles. 3,235,059. 2–15–66, Cl. 198—33.

Cooper, David, to General Electric Co. Self-starting transistor oscillator circuits. 3,231,833, 1–25–66, Cl. 331—113.

Cooper, De Witt W. Electrical game device based on mathematical probability. 3,231,276, 1–25–66, Cl. 273—94.

Cooper, Dexter P., Jr., to Polaroid Corp. Incandescent lamp with TaC filament and cyanide-radical producing and halogen atmosphere. 3,277,330, 10–4–66, Cl. 313—174.

Cooper, Dexter P., Jr., and D. S. Grey, to Polaroid Corp. Color television. 3,242,260, 3–22–66, Cl. 178—5.4.

Cooper, Dexter P. Jr., and J. A. Dainis, to Polaroid Corp. Color television receiver including display means comprising two uniformly distributed luminescent materials. 3,290,434, 12–6–66, Cl. 178—5.4.

Cooper, Donald E., to Titanium Metals Corp. of America. Vacuum melting of metals. 3,254,149, 5–31–66, Cl. 13—34.

Cooper, Edward L., to American Machine & Foundry Co. Electrical control for friction welding. 3,235,161, 2–15–66, Cl. 228—2.

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Cooper, Elmer J., and S. L. Chen, to Universal Foods Corp. Yeast leavened pre-mix for bakery products. 3,231,389, 1–25–66, Cl. 99—94.

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Cooper, George D. Light unit. 3,288,989, 11–29–66, Cl. 240—11.4.

Cooper, George H., to United Shoe Machinery Corp. Sealing of thermoplastic containers. 3,254,829, 6–7–66, Cl. 229—62.

Cooper, George H., and A. E. Newton, to United Shoe Machinery Corp. Electrically heated thermoplastic cement extruder. 3,281,576, 10–25–66, Cl. 219—421.

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Cooper, Jimmie L., to American Can Co. Pallet handling machine. 3,231,101, 1–25–66, Cl. 214—6.

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Cooper, John N., E. C. Crittenden, Jr., A. J. Learn, and F. W. Schmidlin, to Thompson Ramo Wooldridge, Inc. Method of operating superconductive apparatus. 3,242,471. 3–22–66, Cl. 340—173.

Cooper, John R., to E. I. du Pont de Nemours and Co. Two-stage phosgenation process for preparing aromatic isocyanates. 3,234,253, 2–8–66, Cl. 260—453.

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Duncan, James E., and Cooper. 3,294,561.

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Seeloff, Melvin M., and Cooper. 3,286,842.

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Cooper, Kermit H., to New Rochelle Mfg. Co. Multiple drilling machine. 3,246,544, 4–19–66, Cl. 77—32.1

Cooper, Kenneth G., to Midland Silicones Ltd. Siloxane water-repellent composition. 3,294,566, 12–27–66, Cl. 106—287.

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Cooper, Lawrence, and R. W. Kern, to International Business Machines Corp. Optical apparatus for indicating and measuring the roll angular orientation of a movable body. 3,269,254, 8–30–66, Cl. 88—14.

Cooper, Leo J. Space heater. 3,244,164, 4–5–66, Cl. 126—58.

Cooper, Leslie E., to The Distillers Co. Ltd. Plural stage hydrogenation of alkenals to alcohols using copper catalyst and then palladium catalyst. 3,288,866, 11–29–66, Cl. 260—638.

Cooper, Marcus F. Automatic propeller pitch control and feather mechanism. 3,245,475, 4–12–66, Cl. 170—160.15.

Cooper, Margaret J., to Decca Ltd. Tone arm for gramophone. 3,292,935. 12–20–66, Cl. 274—23.

Cooper, Martin, to Motorola, Inc. Selective calling apparatus. Re. 26,079, 9–20–66, Cl. 340—164.

Cooper, Martin, to Motorola, Inc. Frequency calibrator for crystal oscillators. 3,234,484. 2–8–66, Cl. 331—44.

Cooper, Martin, and J. Gardberg, to Motorola, Inc. Decoder and printer. 3,233,243, 2–1–66, Cl. 346—17.

Cooper, Maurice F. Saw chain cutter tooth. 3,269,434, 8–30–66, Cl. 143—135.

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Brown, Norman C., and Hollinshead. 3,294,636.
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Cooper, Michael J., and J. T. Richmond, to Laporte Titanium Ltd. Process for the manufacture of titanium dichloride. 3,233,966, 2–8–66, Cl. 23—87.

Cooper, Paul, to Thompson Ramo Wooldridge Inc. Centrifugal impeller and method of making same. 3,228,844, 1–11–66, Cl. 103—115.

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Cooper, Richard C. Nuclear reactor viewing system. 3,265,584, 8–9–66, Cl. 176—19.

Cooper, Richard L., and J. W. Fiuno, to The New York Air Brake Co. Hydraulic device. 3,234,889, 2–15–66, Cl. 103—162.

Cooper, Richard N., Jr., to Phillips Petroleum Co. Thermometric analysis method and apparatus for control of catalytic reactions. 3,276,843, 10–4–66, Cl. 23—230.

Cooper, Robert B. Feeding system. 3,273,539, 9–20–66, Cl. 119—52.

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Cooper, Robert S.: *See*—
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Cooper, Ronald H., to The Dow Chemical Co. Carbon dioxide cured sand molds employing dry sodium silicate binder. 3,230,099, 1–18–66, Cl. 106—38.35.

Cooper, Ronald H., to The Dow Chemical Co. Phenolic resins containing amino-functional silanes for use in cements and binder compositions. 3,234,159, 2–8–66, Cl. 260—29.3.

Cooper, Ronald H., R. D. Goodenough, and G. M. Corbett, to The Dow Chemical Co. Thermosetting composition for exothermic hot tops. 3,252,818, 5–24–66, Cl. 106—217.

Cooper, Ronald H., and R. D. Goodenough, to The Dow Chemical Co. Polymeric composition comprising hexose sugar and alkali metal salts. 3,274,012, 9–20–66, Cl. 106—162.

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Cooper, Warner J.: *See*—
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Cooper, Wilfrid, and G. Vaughan, to Dunlop Rubber Co. Ltd. Polymerization catalysts and their use. 3,288,769, 11–29–66, Cl. 260—88.2.

Cooper, William H.: *See*—
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Cooper, William M., and J. T. Thorp, Jr., to Joint Controls, Inc. Means for and method of forming an expansion joint. 3,255,680, 6–14–66, Cl. 94—18.

Cooper, William S., to Aerojet-General Corp. Interference-free A.-C. switch. 3,283,177, 11–1–66, Cl. 307—88.5.

Cooperberg, Henry A., to Star Fasteners of Canada Ltd. Automatic locking slider of slide fastener. 3,287,780, 11–29–66, Cl. 24—205.14.

Cooperman, Michael, to Radio Corp. of America. Triggerable tunnel diode bistable circuits. 3,247,398, 4–19–66, Cl. 307—88.5.

Cooperman, Michael, to Radio Corp. of America. Current steering logic circuits having negative resistance diodes connected in the output biasing networks of the amplifying devices. 3,254,238, 5–31–66, Cl. 307—88.5.

Cooperman, Michael, to Radio Corp. of America. Tunnel diode circuit. 3,260,862, 7–12–66, Cl. 307—88.5.

Cooperman, Michael, to Radio Corp. of America. Exclusive-or circuit employing negative resistance diodes. 3,278,762, 10–11–66, Cl. 307—88.5.

Cooperman, Murray C., to Armour and Co. Preparation of dicyanoethylated fatty amines. 3,264,341, 8–2–66, Cl. 260—465.5.

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Coordes, John E., to United States of America, Army. Auxiliary wheel drive mechanism. 3,265,147, 8–9–66, Cl. 180—44.

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McConnell, Richard L., and Coover. 3,285,863.
McConnell, Richard L., and Coover. 3,287,328.
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Shearer, Newton H., Jr., and Coover. 3,247,173.
Shearer, Newton H., Jr., Guillet, and Coover. 3,271,340.

Coover, Harry W., Jr., and F. B. Joyner, to Eastman Kodak Co. Three-component alkyl aluminum halide catalysts for olefin polymerization. 3,230,208, 1–18–66, Cl. 260—93.7.

Coover, Harry W., Jr., and R. L. McConnell, to Eastman Kodak Co. Method for producing polymers derived from phosphite and glycols. 3,271,329, 9–6–66, Cl. 260—2.

Coover, Harry W., Jr., and N. H. Shearer, Jr., to Eastman Kodak Co. Method for producing a reduced transition metal halide. 3,280,093, 10–18–66, Cl. 260—93.7.

Coover, Harry W., Jr., and N. H. Shearer, Jr., to Eastman Kodak Co. Monosubstituted aluminum dihalide catalysts for olefin polymerization. 3,284,427, 11–8–66, Cl. 260—93.7.

Coover, Harry W., Jr., and F. B. Joyner, to Eastman Kodak Co. Metal-titanium halide-nitrogen containing organic compound for olefin polymerization. 3,287,340, 11–22–66, Cl. 260—93.7.

Coover, Harry W., Jr., and F. B. Joyner, to Eastman Kodak Co. Three-component organometallic-transition metal halide catalysts and olefin polymerization. 3,293,230, 12–20–66, Cl. 260—93.7.

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Cope, Geoffrey W., to Symington, Wayne Corp. Automatic coupler centering device. 3,255,891, 6–14–66, Cl. 213—19.

Cope, Geoffrey W., to Symington Wayne Corp. Cushion underframe. 3,256,999, 6–21–66, Cl. 213—8.

Cope, Geoffrey W., to Symington Wayne Corp. Cushion underframe. 3,257,000, 6–21–66, Cl. 213—43.

Cope, Geoffrey W., to Symington Wayne Corp. Automatic coupler centering device. 3,283,916, 11–8–66, Cl. 213—15.

Cope, Louis T., to Olin Mathieson Chemical Corp. Process and apparatus for the transfer of liquid carbon dioxide. 3,234,746, 2–15–66, Cl. 62—55.

Cope, Matthew A., to Girling Ltd. Handbrake applying means. 3,262,333, 7–26–66, Cl. 74—502.

Cope, Paul E., and C. E. Specter, to The Procter & Gamble Co. Carton. 3,270,942, 9–6–66, Cl. 229—17.

Cope, Richard P., Jr., to Cowles Chemical Co. Thioltriazine salt compounds. 3,267,098, 8–16–66, Cl. 260—248.

Cope, Richard S., to Carrollton Mfg. Co. Self-rimming sink mounting. 3,251,903, 2–1–66, Cl. 4—187.

Cope, Thomas C. Stuffing box. 3,244,424, 4–5–66, Cl. 277—4.

Copeland, Clinton R., to Bausch & Lomb Inc. Method of shearing glass. 3,230,063, 1–18–66, Cl. 65—122.

Copeland, Clinton R., to Bausch & Lomb Inc. Glass press mold structure with temperature regulation. 3,244,497, 4–5–66, Cl. 65—162.

Copeland, John E.: *See*—
Everett, Willard F., and Copeland. 3,252,281.

Copeland, John E., to United States of America, Navy. Thrust control apparatus. 3,262,659, 7–26–66, Cl. 244—42.

Copeland, John W. Time, speed and distance computer. 3,282,501, 11–1–66, Cl. 235—78.

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Copeland, Lynn L., to Rubco Products, Inc. Diver's apparel. 3,246,337, 4–19–66, Cl. 2—2.1.

Copeland, Lynn L., to Rubco Products, Inc. Waterproof seam construction. 3,246,621, 4–19–66, Cl. 112—413.

Copeland, Paul L.: *See*—
De Lany, Beatrice P., and Copeland. 3,258,632.

Copeland, Ralph A., to General Aniline & Film Corp. Benzimidazole cyanine dyes containing in -position a carboethoxy group on the methine chain. 3,244,526, 4–5–66, Cl. 96—106.

Copeland Refrigeration Corp.: *See*—
Comstock, Russell E. and Gannaway. 3,233,822.
Comstock, Russell E., and Gannaway. 3,288,357.

Copeland, Richard S., to Sackner Products, Inc. Cleaning pad. 3,280,517. 10–25–66, Cl. 51—400.

Copeland, Thomas D., Jr.: *See*—
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Copeland, Wayne E., to Western Technology, Inc. Chemical milling machine. 3,266,502, 8–16–66, Cl. 134—57.

Copenhaver, Preston S., Jr., and R. L. Etter, Jr., to Eastman Kodak Co. Process for deodorizing thermally degraded, unoxidized polyolefins. 3,227,703, 1–4–66, Cl. 260—94.9.

Coper, Kurt, to Consolidated Electronics Industries Corp. Method of making glass capsules for electrical components. 3,279,038, 10–18–66, Cl. 29—155.5.

Copertino, Alfred F.: *See*—
Boutillette, Edward J., and Copertino. 3,256,718.

Copes, Joseph P.: *See*—
Hesse, Stanley H., and Copes. 3,254,141.

Copiague Research and Development Co.: *See*—
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Copley, David W. M. Liquid-absorbent and vapor releasant block. 3,261,746, 7–19–66, Cl. 167—42.

Copley, Michael J., R. E. Ferrel, and J. W. Pence, to United States of America, Agriculture. Processing of wheat and product produced therefrom. 3,228,771, 1–11–66, Cl. 99—80.

Coplin, John F., to Rolls-Royce Ltd. Blades for gas turbine engines. 3,294,366, 12–27–66, Cl. 253—77.

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Van Volkenburgh, Ross, and Olechowski. 3,242,206.
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Copony, Edward L., and S. L. Wood, to Symington Wayne Corp. Preset dispensing control. 3,232,483, 2–1–66, Cl. 222—16.

Copp, Daniel N., to Wilco Machine Works, Inc. Method of connecting together a plurality of wood veneer pieces. 3,242,025, 3–22–66, Cl. 156—244.

Copp, Douglas H., and R. L. Noble, to Canadian Patents and Development Ltd. Process for preparing calcitonin. 3,256,151, 6–14–66, Cl. 167—74.

Coppel, Claude P., to Marathon Oil Co. Process utilising the combination of miscible and thickened floods in petroleum recovery. 3,261,399, 7–19–66, Cl. 166—9.

Coppens, Mattheus J. M., to Inland Steel Co. Shipping container. 3,268,108, 8–23–66, Cl. 220—67.

Coppens, Mattheus J. M., to Inland Steel Co. Shipping container and method of manufacture thereof. 3,268,109, 8–23–66, Cl. 220—72.

Copper Range Co.: *See*—
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Gaudin, Antoine M., and Ramdohr. 3,237,765.

Copper, Robert L., and J. V. Housholder. Tube-pointing machine. 3,250,110, 5–10–66, Cl. 72—411.

Coppersmith, Frederick M., and G. J. Vahrenkamp, to National Lead Co. Battery lead oxide products. 3,244,562, 4–5–66, Cl. 136—26.

Coppersmith, Frederick M., and G. J. Vahrenkamp, to National Lead Co. Method for producing lead oxide. 3,244,563, 4–5–66, Cl. 136—27.

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Leib, Francis E., and Kura. 3,281,918.
Leib, Francis E., Schmalz, Kura, and Peterson. 3,226,814.

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Copping, Bruce G., to Geo. J. Meyer Mfg. Co. Method of wrapping plastic film around a plurality of assembled articles to form a package. 3,239,991, 3-15-66, Cl. 53—30.

Coppo, Alessandro. Straight bar knitting machines. 3,248,903, 5-3-66, Cl. 66—70.

Coppock, Kenneth E., to General Motors Corp. Window mounting. 3,241,277, 3-22-66, Cl. 52—208.

Coppola, Anthony J. Bottle cap removing and disposing means. 3,257,872, 6-28-66, Cl. 81—3.1.

Coppola, Francis S. Scale with index means for determining weight of material removed from a container. 3,228,488, 1-11-66, Cl. 177—173.

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Coran, Aubert Y., and C. E. Anagnostopoulos, to Monsanto Co. Light stable polymer composition. 3,248,248, 4-26-66, Cl. 106—181.

Coran, Aubert Y., and C. E. Anagnostopoulos, to Monsanto Chemical Co. Naphthoic acid esters. 3,255,235, 6-7-66, Cl. 260—469.

Coran, Aubert Y., and C. E. Anagnostopoulos, to Monsanto Co. Polyolefins containing di(substituted phenyl) oxalates or carbonates as stabilizers. 3,271,358, 9-6-66, Cl. 260—45.85.

Coran, Aubert Y., and C. E. Anagnostopoulos, to Monsanto Co. Stabilized polymer compositions containing diphenyl mono- or di-carboxylates. 3,284,405, 11-8-66, Cl. 260—45.85.

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McConnell, Albert L., and Corazza. 3,294,229.

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Corazzo, Paul J., to Sherwood Tool Inc. Paper cup making machine. 3,289,552, 12-6-66, Cl. 93—39.3.

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Corbell, Paul L., to Johnson Service Co. Intrusion detection system. 3,242,486, 3-22-66, Cl. 343—7.

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Corbell, Raymond C.: *See*—
Koerner, Ralph J., Herman, and Corbell. 3,237,016.

Corbelli, Luigi, to Montecatini, Societa Generale per l'Industria Mineraria e Chimica. Process for the preparation and vulcanization of a mixture of an olefin polymer with an olefin copolymer. 3,256,366, 6-14-66, Cl. 260—897.

Corbet, Alan D. W., and F. S. Dickinson, to United Kingdom Atomic Energy Authority. Heat exchangers. 3,240,266, 3-15-66, Cl. 165—158.

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Cooper, Ronald H., Goodenough, and Corbett. 3,252,818

Corbett, Herbert O., to National Distillers and Chemical Corp. Balanced flow die. 3,266,092, 8-16-66, Cl. 18—14.

Corbett, Herbert O., to National Distillers and Chemical Corp. Apparatus for producing laminated products. 3,266,093, 8-16-66, Cl. 18—14.

Corbett, Herbert O., to National Distillers and Chemical Corp. Seamless extruded thermoplastic self-sustaining layflat continuous tube. 3,275,039, 9-27-66, Cl. 138—148.

Corbett, Herbert O., to National Distillers and Chemical Corp. Inflated edge head for thermoplastic films and apparatus for the production thereof. 3,293,690, 12-27-66, Cl. 18—12.

Corbett, John D., Jr., to General Electric Co. Nozzle area trim means. 3,249,333, 5-3-66, Cl. 253—122.

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Corbin, Daryl, and J. M. Mundell, to United States Steel Corp. Wearing elements for blast furnace stockline. 3,250,523, 5-10-66, Cl. 266—43.

Corbin, John D. and J. F. Flexible plastic vial. 3,288,318, 11-29-66, Cl. 215—7.

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Corbin, John D. and J. F. 3,288,318.

Corbin, Leon J. Apparatus for producing wide angle X-ray photographs. 3,274,386, 9-20-66, Cl. 250—66.

Corbin, Paul. Automobile suspension. 3,261,621, 7-19-66, Cl. 280—96.2.

Corbin, Ralph L., R. Kruger, and D. V. Badgley, to General Motors Corp. Battery separator. 3,272,656, 9-13-66, Cl. 136—145.

Corbin, Robert L., and J. A. Hall, to Weyerhaeuser Co. Method of pressing composite consolidated articles. 3,280,237, 10-18-66, Cl. 264—109.

Corbin, Thomas H., and J. E. Poulsen, to C-F Liquidation Corp. Apparatus for monitoring dispensing of liquid. 3,262,623, 5-24-66 Cl. 222—59.

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Cordell, Martin: *See*—
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Cordero, Diogenes, to TRW Semiconductors, Inc. Plural electrode composite constant current-gain transistor for logic circuit. 3,234,405, 2-8-66, Cl. 307—88.5.

Cordero Mining Co.: *See*—
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Cordier, Charles F.: *See*—
Holman, Howard E., Brand, and Cordier. 3,227,799.

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Murphy, William P., Jr., and Keller. 3,253,595.

Cordis, Gladys S.: *See*—
Cordis, Nat. 3,239,056.
Cordis, Nat. 3,291,066.

Cordis, Nat, deceased, by G. S. Cordis, executor; ½ to C. F. Jensen, ⅛ to G. T. Doble, and ½ to G. L. Kitson. Chain and trough conveyor with demountable chain links. 3,239,056, 3-8-66, Cl. 198—171.

Cordis, Nat, deceased, by G. S. Cordis, executrix, ⅝ to C. F. Jensen and ⅛ to G. T. Doble. Pump apparatus with scavenger for check valve assembly. 3,291,066, 12-13-66, Cl. 103—153.

Cordle, Harry J., and A. C. Loonam, to Chilean Nitrate Sales Corp. Process for treating sewage with iodine. 3,288,708, 11-29-66, Cl. 210—62.

Cordle, Paul E., H. E. Moore, and W. W. Allen, to United States of America, Navy. Continuous rod warhead. 3,249,050, 5-3-66, Cl. 102—67.

Cordonnier, Gerard A. F. M. J.: *See*—
Golaz, Anne-Marie, and Cordonnier. 3,275,815.

Cordova, James. Tapering shoe comb. 3,267,572, 8-23-66, Cl. 30—201.

Cordray, Richard A., and S. R. Crooks, to Republic Steel Corp. Method of texturing metal sheet. 3,280,614, 10-25-66, Cl. 72—363.

Cordry, Burton L., to The Bendix Corp. Frequency lock detector. 3,233,237, 2-1-66, Cl. 343—7.

Cords, Helmuth, R. A. Fisher, and J. D. Briggs, to International Minerals & Chemical Corp. Stable concentrated bacterial insecticide suspensions. 3,271,243, 9-6-66, Cl. 167—22.

Cordts, Howard P., and A. M. Partansky, to The Dow Chemical Co. Varnishes prepared from condensates of alkyl phenols with chloromethylated diphenyl oxides. 3,280,051, 10-18-66, Cl. 260—18.

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Corella, Arthur P., and W. S. Schneider, to W. V. Rodgers. Valved mixing container or package. 3,282,412, 11-1-66, Cl. 206—47.

Corey, Albert E., and F. H. Norris, to Monsanto Co. Vinyl acetate copolymeric emulsions with acrylic acid. 3,245,936, 4-12-66, Cl. 260—29.6.

Corey, Charles D. Sub-miniaturised rotary switch with stationary spring contact members and locking means. 3,227,822, 1-4-66, Cl. 200—11.

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Corey, Joseph T., to Sperry Rand Corp. Fastener means. 3,271,829, 9-13-66, Cl. 24—153.

Corey, Philip D., to General Electric Co. Magnetic core orienting circuit. 3,237,127, 2-22-66, Cl. 331—113.

Corey, Philip D., to General Electric Co. Frequency converter. 3,248,635, 4-26-66, Cl. 321—4.

Corey, Philip D., to General Electric Co. Static inverter. 3,286,155, 11-15-66, Cl. 321—45.

Corey, Philip D., and A. L. Wellford, to General Electric Co. Static inverter. 3,278,827, 10-11-66, Cl. 321—44.

Corey, Richard W.: *See*—
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Corey, Ronald D. Gas fired radiant heater. 3,279,455, 10-18-66, Cl. 126—92.

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Corhart Refractories Co.: *See*—
Alper, Allen M., and McNally. 3,230,101.
Alper, Allen M., and McNally. 3,250,632.
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Corhart Refractories Co., Inc.: *See*—
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Alper, Allen M., and McNally. 3,293,053.

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Corl, Edwin A., and A. P. Keehm, to United Aircraft Corp. Micropattern aligning device. 3,280,715, 10-25-66, Cl. 95—76.

Corl, Edwin A., and G. Sanders, to United Aircraft Corp. Non-contacting encoder. 3,281,825, 10-25-66, Cl. 340—347.

Corlett, Webster D., to Standard Screw Co. Cartridge seal design and arrangement. 3,285,278, 11-15-66, Cl. 137—454.2.

Corlett, Webster D., C. G. Mackie, and A. M. Moen, to Standard Screw Co. Combined liquid spray and aerator. 3,286,935, 11-22-66, Cl. 239—428.5.

Corley, Charles B., Jr., to Esso Production Research Co. Well completion method and system. 3,263,753, 8-2-66, Cl. 166—189.

Corley, Dewey A., to Impulseller, Inc. Switching device. 3,281,542, 10-25-66, Cl. 179—100.1.

Corley, Ferrand D. E. Cigarette construction. 3,276,453, 10-4-66, Cl. 131—4.

Corley, John W., and A. R. McDaniel, Pattern mechanism for a tufting machine and a process for producing a patterned tufted fabric. 3,294,050, 12-27-66, Cl. 112—266.

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Corley, Quentin D., Jr. Foldable load lifting apparatus. 3,282,451, 11-1-66, Cl. 214—77.

Corley, Richard S.: *See*—
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Corliss, Robert F., to Monogram Industries, Inc. Portable toilet. 3,289,214, 12-6-66, Cl. 4—115.

Corliss, Warren G. Protective net. 3,288,159, 11-29-66, Cl. 135—8.

Cormack, James B., Jr., D. H. Zipper, and S. T. Moreland, to Continental Can Co., Inc. Container vacuum capping machine. 3,247,642, 4-26-66, Cl. 53—87.

Corman, Delbert L.: *See*—
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Tiger, Emil, Corman, and Reick. 3,276,773.
Tiger, Emil, Corman, and Reick. 3,277,298.

Cormany, Charles L., W. R. Dial, and B. O. Pray, to Pittsburgh Plate Glass Co. Stabilized compositions. 3,251,891, 5-17-66, Cl. 260—652.5.

Cormany, Charles L., W. R. Dial, and B. O. Pray, to Pittsburgh Plate Glass Co. Methylchloroform compositions. 3,265,747, 8-9-66, Cl. 260—652.5.

Cormier, Claude J.: *See*—
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Killoran, Joseph L., and Cormier. 3,276,095.
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Corn, Charles V., to Gainesville Machine Co., Inc. Rotary drum type chicken picking machine. 3,234,587, 2-15-66, Cl. 17—11.1.

Corn, Charles V., to Gainesville Machine Co., Inc. Single drum picking machine. 3,234,588, 2-15-66, Cl. 17—11.1.

Corn, Prentice R., to Essex Wire Corp. Electromagnetic relay utilising the coil bobbin to facilitate assembly thereof. 3,265,828, 8-9-66, Cl. 200—104.

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Idaszak, Leo R. 3,276,908.
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Meisel, Harry. 3,265,533.
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Cornacchio, Dominick: *See*—
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Cornaro, Vittorio. Locking device for vaults, particularly hotel safety deposit boxes. 3,250,100, 5-10-66, Cl. 70—141.

Cornberg, Sol. Carrel. 3,233,346, 2-8-66, Cl. 35—60.

Cornberg, Sol. Bowling ball viewing apparatus. 3,252,705, 5-24-66, Cl. 273—54.

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Cornelison, Boyd, to Texas Instruments Inc. Gravity meter suspension system. 3,245,263, 4-12-66, Cl. 73—383.

Cornelissen, Arnold J. Modular construction system. 3,251,169, 5-17-66, Cl. 52—497.

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Davidse, Jan., and Cornelissen. 3,294,899.

Cornelissen, Bernardus H. J., and H. Breimer, to North American Philips Co., Inc. Circuit arrangement for use in a color television receiver. 3,283,064, 11-1-66, Cl. 178—5.4.

Cornelissen, Johannes, to North American Philips Co., Inc. Method of manufacturing glass articles having a high mechanical strength. 3,293,016, 12-20-66, Cl. 65—30.

Cornelius Co., The: *See*—
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Cornelius, Richard T. 3,261,507.
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Cornelius, Richard T. 3,283,947.
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Cornelius, David L., and A. C. Dahlquist, to West Bend Thermo-Serv, Inc. Dye metering method for injection molding operations. 3,291,883, 12-13-66, Cl. 264—329.

Cornelius, James W., to The DeVilbiss Co. Apparatus for spraying hollow bodies. 3,246,732, 4-19-66, Cl. 198—179.

Cornelius, Richard T., to The Cornelius Co. Thermally insulated bottle assembly. 3,227,301, 1-4-66, Cl. 215—13.

Cornelius, Richard T., to The Cornelius Co. Method and means for making cracked ice and the like. 3,228,202, 1-11-66, Cl. 62—71.

Cornelius, Richard T., to The Cornelius Co. Plural valves and actuators. 3,233,631, 2-8-66, Cl. 137—637.2.

Cornelius, Richard T., to The Cornelius Co. Method and apparatus for dispensing carbonated beverages. 3,233,779, 2-8-66, Cl. 222—52.

Cornelius, Richard T., to The Cornelius Co. Means of carbonating water. 3,248,098, 4-26-66, Cl. 261—115.

Cornelius, Richard T., to The Cornelius Co. Refrigerated cabinet. 3,251,198, 5-17-66, Cl. 62—451.

Cornelius, Richard T., to The Cornelius Co. Remote-carbonator dispensing system and method. 3,255,920, 6-14-66, Cl. 222—1.

Cornelius, Richard T., to The Cornelius Co. Method and means for treating and handling coffee beverage. 3,261,507, 7-19-66, Cl. 222—146.

Cornelius, Richard T., to The Cornelius Co. Mixing and dispensing valve. 3,277,921, 10-11-66, Cl. 137—607.

Cornelius, Richard T., to The Cornelius Co. Bottle carrier. 3,283,947, 11-8-66, Cl. 220—102.

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Cornell, Allen D., to United-Carr Inc. Snap fastener heat sealing attaching apparatus. 3,238,082, 3-1-66, Cl. 156—380.

Cornell, Conrad F., and D. A. Dahlstrom, to The Eimco Corp. Chemical recovery in pulp manufacture. 3,258,391, 6-28-66, Cl. 162—30.

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Cornell, Dudley E., III., and R. A. O'Connell, to Teaching Machines, Inc. Portable teaching machines. 3,274,704, 9-27-66, Cl. 35—9.

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Hoskinson, Gordon H. 3,248,178.

Cornell, John A., to Williams Gold Refining Co., Inc., H. D. Justi Division. Composite tooth and veneer gel composite formed of non-volatile dimethacrylate as the sole polymerizable constituent. 3,265,202, 8-9-66, Cl. 206—63.5.

Cornell, John A., L. R. Olson, and J. T. Howarth, to Startomer Resin, Inc. Cross-linked terpolymer of ethylene propylene and non-conjugated diene exhibiting high temperature resistance to softening, stiffening or embrittlement. 3,261,888, 7-19-66, Cl. 260—877.

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Cornell Research Foundation, Inc.: *See*—
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Pendleton, Wesley W., Saums, and Cornell. 3,238,025.

Cornell, Richard D., to Johnson Products, Inc. Temperature compensating hydraulic tappet. 3,291,107, 12-13-66, Cl. 123—90.

Cornell, Richard R., to Groovfold Fabricators, Inc. Beamed ceiling constructions. 3,277,624, 10-11-66, Cl. 52—484.

Cornell, Robert W., to United Aircraft Corp. Machine for cold-rolling a nonuniform surface. 3,290,915, 12-13-66, Cl. 72—240.

Cornell, William D., to Brunswick Corp. Motorized golf cart. 3,247,923, 4–26–66, Cl. 180—19.
Cornell, William D., and J. A. Russell, to Brunswick Corp. Pressure responsive material. 3,249,458, 5–3–66, Cl. 117—36.9.
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Cornely, Kurt W., to American Thermocatalytic Corp. Cement composition. 3,285,757, 11–15–66, Cl. 106—57.
Cornely, Roy H., and W. F. Kosonocky, to Radio Corp. of America. Magnetic memory employing anisotropy. 3,259,888, 7–5–66, Cl. 340—174.
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Cowen, Frank M., and G. Bellis, to American Cyanamid Co. Betaines. 3,265,719, 8–9–66, Cl. 260—404.
Cowen, Frank M., and W. A. Burris, to American Cyanamid Co. Organophosphorus compounds. 3,278,577, 10–11–66, Cl. 260—465.6.
Cowen, Theodore A., Jr., to Belvedere Products, Inc. Beautician's dryer chair. 3,248,146, 4–26–66, Cl. 297—217.
Cowher, Melvyn E.: *See*—
Chipman, Francis E., and Cowher. 3,294,067.
Cowing, Irwin L., to General Electric Co. Electrode for electrolytic machining. 3,293,166, 12–20–66, Cl. 204—224.
Cowles Chemical Co.: *See*—
Cope, Richard P., Jr. 3,267,098.
Harrover, Robert E., Jr. 3,274,080.
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Von Pless, James A. 3,247,120.
Cowles, John H.: *See*—
Benson, Carl F., and Cowles. 3,260,333.
Bowen, Willard L., III, and Cowles. 3,244,463.
Cowles, John H., to The Torrington Co. Over-running roller clutch with resilient metal cage. 3,241,641, 3–22–66, Cl. 192—45.
Cowles, John H., and J. W. Rollins, to The Torrington Co. Method of rolling bearing races. 3,288,542, 11–29–66, Cl. 308—216.
Cowles, Julia M. Expansible-contractable mandrels. 3,239,160, 3–8–66, Cl. 242—72.1.
Cowles, Raymond L., E. D. Lowry, J. W. Silva, and W. B. Woodring, to Olin Mathieson Chemical Corp. Tracer shotshell. 3,262,390, 7–26–66, Cl. 102—42.
Cowles, Robert J., to Quality Components, Inc. Ceramic capacitor. 3,256,471, 6–14–66, Cl. 317—258.
Cowles, Warren H.: *See*—
Garbarino, Steven J., Jr., and Cowles. 3,232,585.
Mansfield, George A., Jr., and Cowles. 3,243,957.
Smith, John E., and Cowles. 3,246,470.
Stresen-Reuter, John H., and Cowles. 3,236,047.

Cowles, Warren H., to Holley Carburetor Co. Gas turbine engine fuel control. 3,240,015, 3–15–66, Cl. 60—39.28.
Cowles, Warren H., to Holley Carburetor Co. Gas turbine engine fuel control. 3,241,315, 3–22–66, Cl. 60—39.28.
Cowles, Warren H., to Holley Carburetor Co. Gas turbine fuel control. 3,283,503, 11–8–66, Cl. 60—39.28.
Cowley, Brian R., G. I. Gregory, J. K. Lazenby, and A. G. Long, to Glaxo Laboratories Ltd. 7-acylaminocephalosporanic acid derivatives. 3,248,435, 8–29–66, Cl. 260—243.
Cowley, Brian R., G. I. Gregory, and A. G. Long, to Glaxo Laboratories Ltd. Process for 7-aminocephalosporanic acid derivatives. 3,261,832, 7–19–66, Cl. 260—243.
Cowley, Charles H.: *See*—
Montgomery, Eldwin C., Dean, and Cowley. 3,257,187.
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Binfret, Arthur P., Cowley, and Timson. 3,228,838.
Cowley, John J., to Veko Industries Ltd. Method of brewing beverage. 3,279,925, 10–18–66, Cl. 99—71.
Cowley, John J. Coin operated oxygen dispenser. 3,292,821, 12–20–66, Cl. 222—2.
Cowlin, Donald G., to Challenge-Cook Bros., Inc. Lint collector. 3,234,715, 2–15–66, Cl. 55—302.
Cowlishaw, Frank, to W. E. & F. Dobson, Ltd. Bearing plate connection between mine roof supports and conveyor means. 3,256,108, 6–28–66, Cl. 198—126.
Cowlishaw Walker & Co. Ltd.: *See*—
Parfitt, Norman L. C. 3,265,014.
Cowman, John E., 33⅓% to T. W. Secrest. Package having cushion separators. 3,229,814, 1–18–66, Cl. 206—65.
Cowper, George, and S. D. Simpson, to Atomic Energy of Canada Ltd. Radiation dosimeter for measuring exposure to high and low energy radiation. 3,263,080, 7–26–66, Cl. 250—83.
Cowtan, Brian M.: *See*—
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Milette, Kenneth A. 3,276,068.
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Cox, Brian W., and P. L. Stapleton, to United Shoe Machinery Corp. Heel lift trimming machines. 3,226,747, 1–4–66, Cl. 12—88.
Cox, Clifford B.: *See*—
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Valdespino, Joe M., Cox, and Groo. 3,293,890.
Cox, Clifford B., to Pacific Flush Tank Co. Ring-type gas dome for anaerobic digesters. 3,279,606, 10–18–66, Cl. 210—187.
Cox, Clifford B., and H. W. Wich. Key punching machine. 3,266,358, 8–16–66, Cl. 83—225.
Cox, Clifford B., and J. M. Valdespino, to C. B. Cox, J. M. Valdespino, J. C. Robinson, and F. Groo. Boat and jet propulsion means therefor. 3,288,100, 11–29–66, Cl. 115—11.
Cox, Darwin S. Method of deep drawing rectangular shapes. 3,263,637, 8–2–66, Cl. 113—120.
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Cox, Earle F., to Chemetron Corp. Apparatus and process for machining rails. 3,230,832, 1–25–66, Cl. 90—11.
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Hostettler, Fritz, and Cox. 3,240,730.
Hostettler, Fritz, and Cox. 3,251,857.
Hostettler, Fritz, and Cox. 3,280,078.
Hostettler, Fritz, Cox, and Cook. 3,257,339.
Cox, Eugene F., and F. Hostettler, to Union Carbide Corp. Polyurethane foams. 3,236,791, 2–22–66, Cl. 260—2.5.
Cox, Eugene F., W. H. Cook, and F. Hostettler, to Union Carbide Corp. Polyurethane compositions. 3,245,924, 4–12–66, Cl. 260—2.5.
Cox, Frank T., H. A. Sherretts, and G. P. Mathews, to Rockwell-Standard Corp. Brake systems. 3,232,175, 2–1–66, Cl. 91—170.
Cox, Frank T., and W. J. Williams, to Rockwell-Standard Corp. Guide and centering means for a brake actuating rod. 3,269,492, 8–30–66, Cl. 188—152.
Cox, Fred B., Jr., to United States of America, Air Force. Pulse duration modulation to digital converter. 3,268,886, 8–23–66, Cl. 340—347.
Cox, George H.: *See*—
Lovell, James K., and Cox. 3,276,901.
Cox, Gordon L., to Koppers Co., Inc. Hot metal ladle continuous temperature measuring device. 3,277,716, 10–11–66, Cl. 73—359.
Cox, Henry L., and J. A. Asars, to United States of America, Navy. Storage circuit for ferroelectric display screen. 3,287,600, 11–22–66, Cl. 315—169.
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Scourtes, George. 3,235,715.
Cox, Isaac E., to American Brake Shoe Co. Bearings. 3,254,925, 6–7–66, Cl. 308—36.1.
Cox, Isaac E., to Abex Corp. Gear case. 3,276,289, 10–4–66, Cl. 74—606.
Cox, Isaac E., to Abex Corp. Seals. 3,281,190, 10–25–66, Cl. 308—36.1.
Cox, Ivan E., and R. W. Fritts. Battery closure. 3,287,173, 11–22–66, Cl. 136—177.
Cox, James E.: *See*—
Carlson, William L., Jr., Cox, and Dean. 3,263,411.
Cox, James H., W. T. Hoch, and W. S. Schilling. Apparatus and method for thawing frozen ground. 3,293,863, 12–27–66, Cl. 61—36.
Cox, James S. G., H. Fazakerley, and J. D. Cocker, to Glaxo Laboratories Ltd. Novel nucleophile derivatives of cephalosporin G and allied compounds and their process of manufacture. 3,278,531, 10–11–66, Cl. 260—243.
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Cox, John E., and G. J. Boehm, to International Telephone and Telegraph Corp. Dropback selector. 3,236,952, 2–22–66, Cl. 179—18.
Cox, John J., Jr., to E. I. du Pont de Nemours and Co. Lubricant coated formable metal article. 3,258,319, 6–28–66, Cl. 29—195.
Cox, Landrum C., Jr., ½ to A. C. Karbum. Dehydration of gases. 3,255,573, 6–14–66, Cl. 55—32.
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Cox, Paul D. 3,245,456.
Cox, Marvin E., and W. A. Schooley, to Motorola Inc. Variable delay line with vibration absorbing termination. 3,262,074, 7–19–66, Cl. 333—30.
Cox, Monroe J., and C. G. Steier. Tie for concrete forms. 3,263,958, 8–2–66, Cl. 249—213.
Cox, Monroe J., and W. J. Steier, Jr. Combination wall tie, draft stop and drainage means for wall constructions. 3,293,810, 12–27–66, Cl. 52—303.
Cox, Norman L., to E. I. du Pont de Nemours and Co. Ferromagnetic chromium dioxide and preparation thereof. 3,278,263, 10–11–66, Cl. 23—145.
Cox, Norman R., P. C. Johnson, and D. R. Mosher, to Union Carbide Corp. Oxidation of butane. 3,282,994, 11–1–66, Cl. 260—533.
Cox, Paul D., to Cox Mfg. Co. Control system for fluid fuel burners. 3,245,456, 4–12–66, Cl. 158—28.
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Cox, Robert P., to Omega Chemicals Corp. Inhibition of volatilization of aqueous organic mixtures. 3,257,162, 6–21–66, Cl. 21—60.5.
Cox, Roland O., to Otis Engineering Corp. Anchoring means for well tools. 3,241,616, 3–22–66, Cl. 166—134.
Cox, Samuel F., H. E. McKelvey, and T. J. Reese, to Pittsburgh Plate Glass Co. Bending glass sheets. 3,233,996, 2–8–66, Cl. 65—107.
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Cox, William H., to Sun Oil Co. Method and apparatus for the analysis of seismic records. 3,242,326, 3–22–66, Cl. 235—181.
Cox, William L., to Universal Oil Products Co. Stabilization of rubber with synergistic mixtures of p-phenylene diamines. 3,247,161, 4–19–66, Cl. 260—45.9.
Cox, William L., to Universal Oil Products Co. Preparation of nitrophenols. 3,283,011, 11–1–66, Cl. 260—622.
Cox, William L., to Universal Oil Products Co. Stabilization of rubber with a mixture of phenylene diamines and diaminodephenyl ethers thioethers. 3,288,749, 11–29–66, Cl. 260—45.9.
Cox, Willis T. Guiding apparatus for operating highway vehicles on railroad tracks. 3,228,350, 1–11–66, Cl. 105—215.
Cox, Wilma J. Meat frying cover. 3,252,404, 5–24–66, Cl. 99—349.
Cox, Wilma W. Combination hat and ventilated protective shell. 3,268,911, 8–30–66, Cl. 2—3.
Coy, Arthur G.: *See*—
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Coyle, Daniel J., to Radio Corp. of America. Optical fiber analog-digital converter. 3,247,505, 4–19–66, Cl. 340—347.
Coyle, Daniel J., and E. D. Grim, to Radio Corp. of America. Analog-to-digital converter. 3,268,885, 8–23–66, Cl. 340—347.
Coyle, Jan R., to Torkon Fastener Corp. Self-locking threaded element. 3,227,198, 1–4–66, Cl. 151—7.
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Coyle, Martin A. Voting method. 3,286,918, 11–22–66, Cl. 235—50.
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Coyne, Gerard G., to General Electric Co. Refrigeration system including high pressure limit control means. 3,285,030, 11–15–66, Cl. 62—197.
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Coyne, John P., and G. E. Haddeland, to American Cryogenics, Inc. Acetylene container filler and method. 3,274,123, 9–20–66, Cl. 252—446.

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St. Denny, Ralph B., and Brown. 3,248,983.

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Cozens, John H., to Sprague Electric Co. Capacitors having porous material to aid impregnation. 3,253,199, 5–24–66, Cl. 317—260.

Cozzo, Giuseppe, to Blaw-Knox Co. Strip rolling mill. 3,247,697, 4–26–66, Cl. 72—240.

Cozzoli, Joseph M., and H. F. Scribner, to Cozzoli Machine Co. Filling and capping machine. 3,277,620, 10–11–66, Cl. 53—37.

Cozzoli, Joseph M., and H. F. Scribner, to Cozzoli Machine Co. Apparatus for applying stoppers to bottles. 3,282,026, 11–1–66, Cl. 53—306.

Cozzoli Machine Co.: *See*—
Cozzoli, Joseph M., and Scribner. 3,277,620.
Cozzoli, Joseph M., and Scribner. 3,282,026.

Crabb, Clarence R., and L. S. McDonald, to The Dow Chemical Co. Desiccant regeneration. 3,275,549, 9–27–66, Cl. 210—30.

Crabb, Ernest and L. Apparatus for cutting thin sheets of expanded polystyrene or the like. 3,244,039, 4–5–66, Cl. 83—4.

Crabb, Jerry A. Emergency air apparatus. 3,240,240, 3–15–66, Cl. 141—38.

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Crabbe, Pierre, to Syntex Corp. 16-carbamyl pregnane derivatives. 3,257,383, 6–21–66, Cl. 260—239.5.

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Crabill, Norman L., and J. M. Riebe, to United States of America, National Aeronautics and Space Administration. Control system for rocket vehicles. 3,270,505, 9–6–66, Cl. 60—35.55.

Crabtree, J. A., & Co. Ltd.: *See*—
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Crabtree, Kenneth L. Pulp partition molding. 3,243,095, 3–29–66, Cl. 229—2.5.

Crabtree, Kenneth L., to Keyes Fibre Co. Pulp partition molding. 3,243,096, 3–29–66, Cl. 229—2.5.

Crabtree, Kenneth L., to Keyes Fibre Co. Dispensing apparatus for nested articles. 3,283,955, 11–8–66, Cl. 221—251.

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Craddock, Donald L., and D. M. Gorski, to Riegel Paper Corp. Condensable carton. 3,249,283, 5–3–66, Cl. 229—17.

Craemer, Lambert F., and D. R. Scott, to Robertshaw Controls Co. Thermoelectric control device. 3,291,649, 12–13–66, Cl. 136—217.

Crafus, Gerald R., to Automation Devices, Inc. Vibratory bowl with improved escapement. 3,266,613, 8–16–66, Cl. 198—33.

Craft, John L., and W. B. Strohm, to International Business Machines Corp. Analytic bounds detector. 3,271,743, 9–6–66, Cl. 340—172.5.

Craft, Kingsley W., to Laboratory for Electronics, Inc. Tunable crystal oscillator spectrum source for microwave AFC system. 3,231,828, 1–25–66, Cl. 331—19.

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Crafts, Cecil A., to Robertshaw Controls Co. Phase shift keying communication system. 3,242,431, 3–22–66, Cl. 325—320.

Crafts, Cecil A., P. H. Goodwin, Jr., and R. L. Carlson, to Robertshaw Controls Co. Non-synchronous phase shift communication system. 3,257,508, 6–21–66, Cl. 178—67.

Crafts, Harold S., to Research Corp. Magnetic analog device. 3,276,001, 9–27–66, Cl. 340—174.

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Cragg, William D., to International Standard Electric Corp. Electro-acoustic transducers. 3,247,927, 4–26–66, Cl. 181—32.

Craghead, Robert J. Device for photographing persons destroying marker signs. 3,244,086, 4–5–66, Cl. 95—11.

Crago, Richard A., J. H. Downing, and H. S. Redline, to Union Carbide Corp. Process for the production of low sulfur ferrochromium. 3,271,139, 9–6–66, Cl. 75—130.5.

Crago, Robert P.: *See*—
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Cragoe, Edward J., Jr., to Merck & Co. (α-Alkylidene-acyl) phenoxy- and phenylthio-methanesulfonic acids. 3,250,804, 5–10–66, Cl. 260—511.

Cragoe, Edward J., Jr., to Merck & Co., Inc. Derivatives of 3,3-spiro-substituted-3,4-dihydro-1,2,4-benzothiadiazine-1,1-dioxides. 3,262,931, 7–26–66, Cl. 260—243.

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Cragoe, Edward J., Jr., and J. B. Bicking, to Merck & Co., Inc. N-(3-aminopyrazinoyl) benzamidines and process for preparing. 3,274,191, 9–20–66, Cl. 260—250.

Cragoe, Edward J., Jr., and J. H. Jones, to Merck & Co., Inc. Derivatives of pyrazine and a method for their preparation. 3,274,192, 9–20–66, Cl. 260—250.

Cragoe, Edward J., Jr., and J. H. Jones, to Merck & Co., Inc. Derivatives of 3,5-diamino-6-chloropyrazinoic acid esters and a process for making them. 3,290,311, 12–6–66, Cl. 260—250.

Craig, Andrew E., to Oliver Corp. Belt drive for material handling machine. 3,235,061, 2–15–66, Cl. 198—128.

Craig, Bryant F., to Amalga Corp. Conelrad warning device. 3,234,468, 2–8–66, Cl. 325—366.

Craig, Bryant F., to Amalga Corp. Conelrad warning device with motor driven switch for operating capacitor charging means. 3,246,246, 4–12–66, Cl. 325—466.

Craig, Bryant F., to Amalga Corp. Conelrad warning device. 3,273,069, 9–13–66, Cl. 325—466.

Craig, Bryant F. Remote controlled switching system. 3,287,722, 11–22–66, Cl. 340—310.

Craig, Burnie J. Adjustable disposable razor. 3,268,328, 8–2–66, Cl. 30—63.

Craig, Burnie J. Apparatus for making razor blades. 3,279,032, 10–18–66, Cl. 29—33.

Craig, Burnie J. Method of making razor blades. 3,279,283, 10–18–66, Cl. 76—104.

Craig, Burnie M., to Avery Products Corp. Embossing tool having removable die units to accommodate various width tapes. 3,272,301, 9–13–66, Cl. 197—6.7.

Craig, Carroll E., to Socony Mobil Oil Co., Inc. Dispersing and grinding apparatus and method of dispersing and grinding paste. 3,251,578, 5–17–66, Cl. 259—8.

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Craig, George H., deceased (by J. P. Craig, executrix). Cover for sealing liquid surfaces. 3,266,662, 8–16–66, Cl. 220—93.

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Craig, James R., and D. J. Sasmor, to United States of America, Atomic Energy Commission. Gas generating device with initiator insulating. 3,267,672, 8–23–66, Cl. 60—39.47.

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Craig, George H. 3,266,662.

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Craig, Kenneth A., Jr.: *See*—
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Craig, Loren J.: *See*—
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Craig, Louis E.: *See*—
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Craig, Paul N., to Smith Kline & French Laboratories. Novel substituted phenothiazines. 3,260,717, 7–12–66, Cl. 260—243.

Craig, Paul N., and C. L. Zirkle, to Smith Kline & French Laboratories. Hydroxyalkylenepiperazine derivatives and analogs thereof. 3,282,930, 11–1–66, Cl. 260—240.

Craig, Preston S., to Thiokol Chemical Corp. Membrane core for solid propellant rocket motors and casting method using same. 3,261,891, 7–19–66, Cl. 264—3.

Craig, Richard T.: *See*—
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Craig, Robert F., and R. J. Martinovich, to Phillips Petroleum Co. Plastic composition and bowling pin made thereof. 3,251,598, 5–17–66, Cl. 273—82.

Craig, Robert G., to Air Products and Chemicals, Inc. Quench system and chamber. 3,292,913, 12–20–66, Cl. 261—149.

Craig, Sam N., and P. B. Seasholtz, to Orr & Sembower, Inc. Boilers. 3,259,108, 7–5–66, Cl. 122—149.

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Craig, Willis G., to The Lubrizol Corp. Method for reducing combustion chamber deposits in internal combustion engines. 3,261,723, 7–19–66, Cl. 148—6.15.

Craig, Willis G., to The Lubrizol Corp. Roofing element and roof surface. 3,292,334, 12–20–66, Cl. 52—516.

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Crain, Robert E. Material dispensing container. 3,227,322, 1–4–66, Cl. 222—183.

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Craine, Joseph B., to Swift & Co. Package for flexible pouches and method of making the package. 3,280,968, 10–25–66, Cl. 206—45.11.

Crake, Wilfred S., and J. B. Cheatham, Jr., to Shell Oil Co. Method of surveying an inclined wellbore. 3,229,375, 1–18–66, Cl. 33—205.

Crall, Donald H. Filter system and method for pressure cooker. 3,259,521, 7–5–66, Cl. 134—22.

Cram, Donald J., and R. A. Reed. Thermoplastic cellular polymers with mixed blowing agents. 3,278,466, 10–11–66, Cl. 260—2.5.

Cram, William D., to United Shoe Machinery Corp. Disconnectible pivot joints for machine construction. 3,227,250, 1–4–66, Cl. 189—36.

Cramer, Allen L., to Eldon Industries, Inc. Road race car switch track. 3,291,392, 12–13–66, Cl. 238—10.

Cramer, Bruce G., to Philco Corp. Demultiplexer for carrier wave (e.g., F.M. stereo signal) whose amplitude at fixed intervals is information-representative. 3,268,663, 8–23–66, Cl. 179—15.

Cramer, Charles R., and W. F. L. de Bruijn. Emulsifiable organotin compounds and process for making same. 3,242,201, 3–22–66, Cl. 260—414.

Cramer, Clayton B., and D. N. Shaw, to Carrier Corp. Hermetic motor compressor unit. 3,241,748, 3–22–66, Cl. 230—228.

Cramer, Francis B., and E. G. Parrish, to E. I. du Pont de Nemours and Co. Process for producing an extensible paper. 3,266,972, 8–16–66, Cl. 162—146.

Cramer, Henry G., to Salvatori Industries, Inc. Extensible plant protector having means for evenly distributing its collected water. 3,287,851, 11–29–66, Cl. 47—25.

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Cramer, Robert H., A. F. Houser, and K. I. Jagel, Jr., to Socony Mobil Oil Co. Crystalline aluminosilicate hydrocarbon conversion catalyst composite and method of preparation thereof. 3,238,147, 3–1–66, Cl. 252—463.

Cramer, Robert H., and A. F. Houser, to Socony Mobil Oil Co., Inc. Manufacture of a silica-zirconia-alumina catalyst. 3,264,227, 8–2–66, Cl. 252—452.

Cramer, William H. Folding beach chair. 3,285,654, 11–15–66, Cl. 297—35.

Cramner, Karl T. Antenna. 3,286,269, 11–15–66, Cl. 343—830.

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Cranage, Bidwell C., to Stile-Craft Manufacturers, Inc. Combined gauge and regulator. 3,288,165, 11–29–66, Cl. 137—505.13.

Cranage, Bidwell C., to Stile-Craft Manufacturers, Inc. Gas or vacuum-operated couplings. 3,291,442, 12–13–66, Cl. 251—149.1.

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Crandall, Charles B., and H. G. Lind, to Barber-Colman Co. By-pass type spooler. 3,251,561, 5–17–66, Cl. 242—35.5.

Crandall, Harry S., to Hyster Co. Vacuum method and apparatus. 3,254,783, 6–7–66, Cl. 214—650.

Crandall, Milton A., to Simmonds Precision Products, Inc. High frequency voltage control transistor oscillator circuit. 3,262,072, 7–19–66, Cl. 331—117.

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Hansen, George E., and Korzenowski. 3,262,709.
Hansen, George E., and Korzenowski. 3,262,710.
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Crane, Hewitt D. Thermochromic indicating system. 3,256,518, 6–14–66, Cl. 340—253.

Crane, Hewitt D., and W. K. English, to AMP Inc. Magnetic switch circuit. 3,289,185, 11–29–66, Cl. 340—174.

Crane, Jack W., to Sperry Rand Corp. Agricultural machine. 3,267,839, 8–23–66, Cl. 100—139.

Crane, Jack W., to Sperry Rand Corp. Agricultural machine. 3,291,038, 12–13–66, Cl. 100—139.

Crane, John M., to Continental Can Co., Inc. Corrugated container blanks and containers. 3,286,907, 11–22–66, Cl. 229—41.

Crane, Langdon T., Jr., to Ford Motor Co. Method of operating superconductive computer elements. 3,228,011, 1–4–66, Cl. 340—173.1.

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Crane, Robert L., to Eastman Kodak Co. Inertia compensating conveyor. 3,272,149, 9–13–66, Cl. 104—173.
Crane, Roger E. Pulse echo moving object locator system. 3,274,592, 9–20–66, Cl. 343—11.
Crane, Samuel P. Ventilating cushion. 3,262,739, 7–26–66, Cl. 297—453.
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Cranskens, Georg, to Lumoprint Zindler K.G. Socket tube coupling. 3,236,546, 2–22–66, Cl. 285—238.
Cranskens, Georg, to Lumoprint Zindler KG. Heat employing copying apparatus. 3,242,316, 3–22–66, Cl. 219—471.
Cranskens, Georg, to Lumoprint Zindler K.G. Sheet dispenser. 3,275,192, 9–27–66, Cl. 221—259.
Cranskens, Georg, to Lumoprint Zindler KG. Planar exposure devices. 3,277,807, 10–11–66, Cl. 95—73.
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Crapuchettes, Paul W., to Litton Precision Products, Inc. Anode structures providing improved cooling for electron discharge devices. 3,260,885, 7–12–66, Cl. 315—5.38.
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Craubner, Hans, and G. Illing, to H. Roemmler G.m.b.H. Production of block-graft copolymers from polyolefines and synthetic polyamides. 3,261,885, 7–19–66, Cl. 260—857.
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Craven, Herman R., G. C. Coker, and K. D. Fastner, to The Vendo Co. Staggered stack vending machine. 3,231,129, 1–25–66, Cl. 221—67.
Craven, Milton H., to Grove Valve and Regulator Co. Wiper ring for a fluid system flow interrupting device. 3,288,163, 11–29–66, Cl. 137—242.
Craven, William J., Jr. Paper towel dispenser. 3,288,387, 11–29–66, Cl. 242—55.53.
Craver, Joseph N., Jr., to Union Carbide Corp. Method for forming a clear glossy laminate of polyethylene film and regenerated cellulose film having a moisture-proof coating on its surface remote from the polyethylene film. 3,230,126, 1–18–66, Cl. 156—244.
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Crawford, James L., and P. J. Staebler, to Caterpillar Tractor Co. Electrical alternator. 3,293,469, 12–20–66, Cl. 310—168.
Crawford, Jay, Sr. Garbage can cart. 3,262,713, 7–26–66, Cl. 280—47.26.
Crawford, John K., and C. M. Pietras, to International Business Machines Corp. Data transfer and conversion circuit. 3,274,378, 9–20–66, Cl. 235—154.
Crawford, Joseph H., to General Electric Co. Tube straightening method. 3,285,047, 11–15–66, Cl. 72—79.
Crawford, Joseph H., and W. H. Peters, to General Electric Co. Electrolytic drilling and tapping apparatus. 3,271,288, 9–6–66, Cl. 204—212.
Crawford, Joseph H., and P. A. Cappel, to General Electric Co. Electrochemical machining apparatus with electrolyte flow control means. 3,271,291, 9–6–66, Cl. 204—224.
Crawford, Raymond B., to Allied Chemical Corp. Alkylation of amines with alkyl phosphites. 3,253,036, 5–24–66, Cl. 260—577.
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Crawford, Robert B. P., and M. Hurowitz. Gaseous hazard detector system and apparatus. 3,262,106, 7–19–66, Cl. 340—237.
Crawford, Robert B. P., and D. B. Tackett, to H. J. Burke. Method and apparatus for detecting a hazardous condition. 3,271,756, 9–6–66, Cl. 340—237.
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Hindersinn, Raymond R., and Creighton. 3,245,958.
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Cremer, Joseph, and H. Kribbe, to Knapsack-Griesheim Aktiengesellschaft. Process for the electrolytic production of alkali metal phosphates. 3,269,926, 8–30–66, Cl. 204—90.
Cremer, Joseph, and H. Harnisch, to Knapsack Aktiengesellschaft. Manufacture of dicalcium phosphate, dihydrate. 3,294,486, 12–27–66, Cl. 23—109.
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Cross, L. Allan, Jr., to Randomatic Data Systems, Inc. Data processing equipment. 3,292,631, 12–20–66, Cl. 129—16.1.

Cross, Laurence A., Jr., to Automation Engineers, Inc. Means for applying information to data-storing elements. 3,231,186, 1–25–66, Cl. 234—48.

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Crossley, Harry E., Jr., to Robertshaw Controls Co. Motion transmitting mechanism for differential pressure transmitter. 3,263,510, 8–2–66, Cl. 74—18.1.

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Croswhite, Howard L., to Ford Motor Co. Dual capacity fluid pressure operated clutch servo. 3,265,175. 8–9–66, Cl. 192—87.

Croswhite, Howard L., and P. Liang, to Ford Motor Co. Hydrokinetic power transmission with flexible clutch piston. 3,239,037, 3–8–66, Cl. 192—3.2.

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Crouch, Fred P., and W. M. Lockrow, to Hanes Corp. Rotary cutting apparatus. 3,269,235, 8–30–66, Cl. 83—99.

Crouch, Fred P., and W. M. Lockrow, to Hanes Corp. Rotary cutting apparatus. 3,272,046, 9–13–66, Cl. 83—310.

Crouch, Marshall J. Machine for weaving diamond mesh wire fencing and partition panels. 3,285,292, 11–15–66, Cl. 140—6.

Crouch, Robert T., and C. H. Barger, to Johns-Manville Corp. Asbestos fiber reinforced molding material, molded articles and methods of making same. 3,235,530, 2–15–66, Cl. 260—37.

Crouch, Willie W., to Phillips Petroleum Co. Addition of trans-polybutadiene to prevent cold flow in cis-polybutadiene. 3,244,773, 4–5–66, Cl. 260—894.

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Crouzet, Henri, to Moulinage et Retorderie de Chavanoz. Process for producing bulked yarn. 3,237,392, 3–1–66, Cl. 57—157.

Crouzet, Henri, to Moulinage et Retorderie de Chavanoz. Thermal treatment of synthetic textiles. 3,283,414, 11–8–66, Cl. 34—77.

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Crow, Robert P., and W. A. Kelley, to Motorola, Inc. Induction field transmitter. 3,233,239, 2–1–66, Cl. 343—225.

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Crowdes, George J., to API Instruments Co. Meter relay using fiber optics for ease of replacing a lamp and photocell. 3,290,503, 12–6–66, Cl. 324—96.

Crowe, George A., Jr., to Johnson & Johnson. Flexible absorbent sheet. 3,229,691, 1–18–66, Cl. 128—156.

Crowe, George A., Jr., to FMC Corp. Discoloration resistant cellulose article and method of manufacture. 3,256,110, 6–14–66, Cl. 117—56.

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Crowell, Charles J., Jr., and F. L. Haake, to United States of America, Navy. Controlled extinguishment and reignition of solid propellant rocket motors. 3,266,237, 8–16–66, Cl. 60—35.3.

Crowell, Ernest M., to United Shoe Machinery Corp. Resinous non-tacky thermoplastic adhesive comprising resinous linear terpolyester of a linear glycol and acid components. 3,235,520, 2–15–66, Cl. 260—22.

Crowell, Millard D., and G. Nicula, to General Motors Corp. Drill breakage detector. 3,241,402, 3–22–66, Cl. 77—5.

Crowell, Richard S., and T. A. Cuscino, to United States Steel Corp. Apparatus for accurately positioning a bottom pour ladle. 3,255,499, 6–14–66, Cl. 22—82.

Crowell, Richard S., and T. A. Cuscino, to United States Steel Corp. Stopper rod actuating device. 3,271,827, 9–13–66, Cl. 22—85.

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Crowley, Daniel J., and C. R. Sanders, to AMP Inc. Contact assembly means and method. 3,281,763, 10–25–66, Cl. 339—217.

Crowley, Francis X., to Crowley Hession Engineers. Prestressed concrete tank, process and structural unit therefor. 3,280,525, 10–25–66, Cl. 52—224.

Crowley, Gerald P., and W. F. Smith, to Imperial Chemical Industries Ltd. Laminated article bonded by a curable polyurethane elastomer and an organic polyisocyanate and process of manufacture. 3,255,069, 6–7–66, Cl. 161—190.

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Crowley, Lewis E., to The GS Equipment Co. Adjustable spray nozzle insert. 3,273,803, 9–20–66, Cl. 239—457.

Crowley, Michael S., to Standard Oil Co. Spraying apparatus. 3,255,973, 6–14–66, Cl. 239—422.

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Crowley, Richard P. Method of preparing adsorbent filter paper containing crystalline zeolite particles, and paper thereof. 3,266,973. 8–16–66. Cl. 162—164.

Crowley, Richard P., and A. J. Morway, to Esso Research and Engineering Co. Incorporating sodium nitrite into lubricant compositions. 3,291,731, 12–13–66, Cl. 252—25.

Crowley, Walter A. Ground effect machine. 3,285,535, 11–15–66, Cl. 244—2.

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Croymans, Jacques J. H., and J. F. Brandwijk, to North American Philips Co., Inc. Self-starting low power synchronous step motor. 3,238,399, 3–1–66, Cl. 310—46.

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Cruickshank, Geoffrey A., to The Molins Organisation Ltd. Feeding of rod-like articles. 3,263,397, 8–2–66, Cl. 53—236.

Cruickshank, Robert F. Writing or drawing aid devices. 3,250,255, 5–10–66, Cl. 120—54.

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Crum, Eben J. Apparatus and method for handling looped wire. 3,260,471, 7–12–66, Cl. 242—79.

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Crump, Jack G., to Nuclear-Chicago Corp. Industrial-process-type measurements employing gamma-ray backscattering. 3,270,203, 8–30–66, Cl. 250—83.3.

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Csanky, Geza, to Motorola, Inc. Field switching device employing punchthrough phenomenon. 3,275,845, 9–27–66, Cl. 307—88.5.

Csaszar, Albert K., to Union Oil Co. of California. Waterflooding method using an alcohol-surfactant mixture. 3,236,303, 2–22–66, Cl. 166—9.

Csathy, Denis G., to Bros Inc. Boiler construction. 3,246,-633, 4–19–66, Cl. 122—7.

Csech, Joseph, to Compagnie Generale d'Automatisme. Automatic machine-tool control system for truing mechanical parts. 3,272,975, 9–13–66, Cl. 235—151.11.

Csendes, Ernest, to E. I. du Pont de Nemours and Co. N-(4-morpholinothiophenyl)-N′-phenyl-p-phenylenediamine and process for its production. 3,230,219, 1–18–66, Cl. 260—247.1.

Csendes, Ernest, to E. I. du Pont de Nemours and Co. 2,5-di-tert-butyl-N,N'-diaryl-p-phenylene-diamines. 3,271,453, 9-6-66, Cl. 260—576.

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Cuisinier, Margaret: *See*—
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Cuklanz, Harlan D., to Norton Co. Saw blade. 3,281,996, 11-1-66, Cl. 51—204.

Culbert, Robert M.: *See*—
Farr, Richard S., and Culbert. 3,254,475.

Culberson, Samuel F.: *See*—
Cofer, Kenneth B., and Culberson. 3,277,190.

Culbertson, George W.: *See*—
Eason, Clarence M., Pfeffer, and Culbertson. 3,228,501.

Culbertson, Harry M.: *See*—
Tashlick, Irving, and Culbertson. 3,234,189.

Culbertson, James B.: *See*—
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Culbertson, James B., H. Lamprey, and R. L. Ripley, to Union Carbide Corp. Ultrafine titanium boride. 3,244,482, 4-5-66, Cl. 23—204.

Culbertson, John H. Variable capacitor. 3,262,033, 7-19-66, Cl. 317—253.

Culbertson, William J., Jr., T. D. Nevens, and W. D. Schnackenberg, to The Oil Shale Corp. Method of treating oils derived by thermal treatment of solid carbonaceous materials. 3,284,336, 11-8-66, Cl. 208—11.

Cull, John G. Composition for use in the preparation of fried foodstuffs. 3,235,385, 2-15-66, Cl. 99—1.

Cull, Neville L.: *See*—
Hillard, George O., Jr., and Cull. 3,243,390.

Cull, Neville L., E. W. Seefield, and W. L. Van Nostrand, Jr., to Esso Research and Engineering Co. Thermal and pigment stable latices of oxidized liquid diolefin polymers with sulfate emulsifiers. 3,232,900, 2-1-66, Cl. 260—29.7.

Cullen, Frank S., to Insulwool Products Proprietary Ltd. Spinner for producing mineral fibers. 3,238,029, 3-1-66, Cl. 65—15.

Cullen, James E. L., to Gary Industries, Inc. Rack structures. 3,283,912, 11-8-66, Cl. 211—46.

Cullen, James J., F. A. Depuy, R. E. Morton, and K. W. Niederer, to Leesona Corp. Bobbin conveyor. 3,226,793, 1-4-66, Cl. 28—19.

Cullen, John S. Method of making sorptive getter structure. 3,264,725, 8-9-66, Cl. 29—420.

Cullen, Roy H.: *See*—
Cullen, Roy H., Aker, and Elliott. 3,285,629.

Cullen, Roy H., C. H. Elliott, J. R. Aker, and T. J. Gilchrist: said Elliott, said Aker and said Gilchrist, assignors to said Cullen. Well drilling apparatus. 3,232,362, 2-1-66, Cl. 175—104.

Cullen, Roy H., and L. D. Richards, said Richards assor. to said Cullen. Hose end coupling. 3,276,794, 10-4-66, Cl. 285—149.

Cullen, Roy H., J. R. Aker, and C. H. Elliott, said Aker and said Elliott assors. to R. H. Cullen. Methods and apparatus for mounting electrical cable in flexible drilling hose. 3,285,629, 11-15-66, Cl. 285—119.

Cullen, Roy H., C. H. Elliott, J. R. Aker, and T. J. Gilchrist, said Elliott, said Aker, and said Gilchrist assors. to said Cullen. Well drilling apparatus. 3,291,230, 12-13-66, Cl. 175—101.

Culler, Vaughn E., to Corning Glass Works. Short-duration light source comprising an electron irradiated transparent insulating body. 3,283,153, 11-1-66, Cl. 250—84.

Culleton, Jack T., and F. V. Flesher, to Pacific Pumping Co. Wellpoint system. 3,269,326, 8-30-66, Cl. 103—113.

Culligan, Inc.: *See*—
Entringer, James S. 3,282,426.
Lyall, Charles E. 3,286,839.
Matalon, Morris A. 3,246,759.
Staats, William A. 3,286,840.

Culligan, Rena D. Hair spacing pin. 3,236,246, 2-22-66, Cl. 132—52.

Cullinan, Douglas M., to Cullinan Refractories Ltd. Method of lining furnaces and like vessels. 3,258,510, 6-28-66, Cl. 264—30.

Cullinan Refractories Ltd.: *See*—
Cullinan, Douglas M. 3,258,510.

Cullis, John, Jr., to Burroughs Corp. Control circuit for gaseous indicator tubes. 3,240,986, 3-15-66, Cl. 315—8.5.

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Ackermann, Paul, and Cullmann. 3,280,009.

Culmone, Louis W., to Lustro Watch Inc. Dictation teaching aid. 3,281,968, 11-1-66, Cl. 35—35.

Culp, Elmer J., and R. M. Gerstenkorn, to American Sugar Co. Preparation of pressed sugar tablets. 3,255,041, 6-7-66, Cl. 127—63.

Culshaw, Ronald G.: *See*—
Biggley, William H., and Culshaw. 3,282,442.

Culter, Norman. Knockdown adjustable railing construction. 3,258,251, 6-28-66, Cl. 256—22.

Culver, Donald M.: *See*—
Hill, Harold J., Culver, and Hauser. 3,256,884.

Culver, Irven H.: *See*—
Celniker, Leo, Smyth, and Culver. 3,246,862.

Culver, Irven H., T. F. Hanson, and L. G. Look, to Lockheed Aircraft Corp. Helicopter rotor system. 3,261,407, 7-19-66, Cl. 170—160.25.

Culver, Perrin C., to Compressed Air Service Co. Force multiplying and safety power cylinder. 3,272,087, 9-13-66, Cl. 92—24.

Culver, William H., to United States of America, Air Force. Nuclear magnetic gyroscope. 3,277,728, 10-11-66, Cl. 74—5.6.

Culwell, Bennie L.: *See*—
Durfee, Sidney A., Culwell, and Barnes. 3,276,818.

Cumberland Case Co.: *See*—
Robinson, William W., Jr., and Camp. 3,234,012.

Cumberland Chemical Corp.: *See*—
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Blades, Charles E., and Dumovich. 3,249,592.
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Carpenter, Gilbert B., Leeds, and Tedeschi. 3,293,191.
Casey, John A., and Blades. 3,247,151.
Davidowich, George, and Leeds. 3,282,850.
Helberger, Charles A., and Dixler. 3,274,020.
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Kennette, John W. 3,235,402.
Leeds, Morton W., and Komarowski. 3,257,465.
Moore, George L., and Vitcha. 3,268,524.
Moore, George L., and Vitcha. 3,268,583.
Redmon, Bryan C., and Mottern. 3,284,519.
Sims, Victor A., and Vitcha. 3,247,248.
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Cumberland Joseph M. Extracting tools. 3,279,047, 10-18-66, Cl. 29—427.

Cumberland Packing Co.: *See*—
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Cumberpatch, James R. Navigational aid. 3,255,961, 6-14-66, Cl. 235—78.

Cumbers, David C., to British Nylon Spinners Ltd. Apparatus and method for spacing of threadlines in a warp sheet. 3,293,720, 12-27-66, Cl. 28—32.

Cumings, Warren H. Tethered basketball practice device. 3,288,466, 11-29-66, Cl. 273—1.5.

Cummin, Alfred S., and C. E. Watts, Jr., to General Electric Co. Electric capacitor and method for making the same. 3,252,830, 5-24-66, Cl. 117—217.

Cumming, James C.: *See*—
Brownyer, Nelson R., and Cumming. 3,254,742.

Cumming, James C., to Rockwell-Standard Corp. Brake system. 3,256,962, 6-21-66, Cl. 188—152.

Cumming, James C., and A. F. Stamm, to Rockwell-Standard Corp. Brake or clutch pedal assist. 3,277,793, 10-11-66, Cl. 91—216.

Cumming, Ronald W., to Commonwealth of Australia, Crown Solicitor's Office. Low visibility simulation screen. 3,287,828, 11-29-66, Cl. 35—12.

Cummings, Alan F., to North American Aviation, Inc. Collapsible load bearing wheel structure. 3,234,988, 2-15-66, Cl. 152—12.

Cummings, Alfred J.: *See*—
Allen, Richard J., and Cummings. 3,263,193.

Cummings, Augustus W., Jr.: *See*—
Reynolds, Victor R., and Cummings. 3,282,422.

Cummings, Betty L.: *See*—
Meyer, Robert F., and Cummings. 3,246,007.
Meyer, Robert F., and Cummings. 3,280,187.

Cummings, Charles R. Water purification convective distillation apparatus. 3,248,306, 4-26-66, Cl. 202—185.

Cummings, Clinton M., to The Acme Shear Co. Combination surgical instrument for cutting and removing sutures. 3,266,493, 8-16-66, Cl. 128—318.

Cummings, Gordon E. Container with ice support. 3,237,801, 3-1-66, Cl. 220—93.

Cummings, Harold K.: *See*—
Kolilhagen, Walter, and Cummings. 3,237,279.

Cummings, Lowell O.: *See*—
Rathjen, Walter E., Cummings, and Kneeland. 3,278,567.

Cummings, Lowell O., and J. A. Kneeland, to Pacific Vegetable Oil Corp. Concentrated emulsions of bodied oil in water. 3,266,922, 8-16-66, Cl. 106—252.

Cummings, William: *See*—
McCall, Ernest B., and Cummings. 3,256,843.
McCall, Ernest B., and Cummings. 3,256,350.

Cummings, William, to United States Rubber Co. Flame-resistant rubber-resin composition. 3,260,772, 7-12-66, Cl. 260—876.

Cummings, William, to United States Rubber Co. Stabilized ABS polymers containing zinc sulfide and dialkyl thiodipropionate. 3,267,069, 8-16-66, Cl. 260—45.75.

Cummins, Alfred B. Tackling dummy suspension. 3,281,148, 10-25-66, Cl. 273—55.

Cummins-Chicago Corp.: *See*—
Quinn, James L. 3,248,520.
Quinn, James L., and Jones. 3,275,806.
Quinn, James L., Knutson, and Dreyer. 3,275,232.

Cummins, Donald L., to General Motors Corp. Transistor voltage regulator. 3,253,210, 5-24-66, Cl. 322—28.

Cummins, Earl W., to E. I. du Pont de Nemours and Co. Fungicidal method and composition involving polymeric thiadiazinethione compounds. 3,245,875, 4-12-66, Cl. 167—33.

Cummins Engine Co., Inc.: *See*—
Wells, William S. 3,236,061.

Cummins, James B., to Polaroid Corp. Multiple-image portrait camera. 3,283,685, 11-8-66, Cl. 95—18.

Cummins, Phil F., to Sentinel Products Corp. Multi-purpose utility structure. 3,256,896, 6-21-66, Cl. 135—4.

Cummins, Richard D., to The Firewell Co., Inc. Controller for cryogenic liquids. 3,253,611, 5-31-66, Cl. 137—338.

Cummins, William F., Sr. Dough cutting and forming device. 3,270,692, 9-6-66, Cl. 107—68.

Cundall, Lincoln A.: *See*—
Staehle, Henry C., Cundall, Horton, and Freiler. 3,271,226.

Cunder, Joseph: *See*—
Ihde, Frederick J., Jr., and Cunder. 3,267,056.

Cuneo Press Inc., The: *See*—
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Cunha, Joseph J., to Cunha Products Inc. Truck and trailer combination. 3,246,912, 4-19-66, Cl. 280—407.

Cunha Products Inc.: *See*—
Cunha, Joseph J. 3,246,912.

Cunningham, Allen B., to Esso Production Research Co. Method of continuous wave seismic prospecting. 3,289,154, 11-29-66, Cl. 340—15.5.

Cunningham, Arthur R., to Cunningham & Sons. Golfer's arm bend restraining device. 3,288,468, 11-29-66, Cl. 273—189.

Cunningham, Arthur R., deceased (T. W. Cunningham and the First National Bank of Leesburg, executors). Pelleting machine. 3,240,169, 3-15-66, Cl. 107—14.

Cunningham, David H., to Radio Corp. of America. Magnetic structure for a loudspeaker. 3,247,331, 4-19-66, Cl. 179—115.5.

Cunningham, David R., C. E. Cady, and J. D. Stone, to General Electric Co. Document recording systems. 3,263,557, 8-2-66, Cl. 88—24.

Cunningham, Donald F., to U.S. Partition & Packaging Corp. Intermediate spindle construction for guide belts for partition strip feeder construction. 3,290,041, 12-6-66, Cl. 271—9.

Cunningham, Eldon R., to General Electric Co. Thrust bearing arrangements for rotating machines. 3,235,317, 2-15-66, Cl. 308—132.

Cunningham, Eldon R., to General Electric Co. Dynamoelectric Co. Dynamoelectric machine. 3,243,617, 3-29-66, Cl. 310—63.

Cunningham, Ernest R., to Illinois Tool Works, Inc. Container package. 3,268,070, 8-23-66, Cl. 206—65.

Cunningham, Eugene E., to Owens-Corning Fiberglas Corp. Apparatus for heat control of forehearths. 3,248,203, 4-26-66, Cl. 65—326.

Cunningham, Eugene H.: *See*—
Brown, Wilbur F., Mook, Jarois, and Cunningham. 3,257,081.

Cunningham, Francis V., and G. C. Proctor. Combination container and spin top. 3,236,002, 2-22-66, Cl. 46—11.

Cunningham, Francis V. Kites. 3,248,075, 4-26-66, Cl. 244—153.

Cunningham, Franklin E.: *See*—
Lineweaver, Hans, and Cunningham. 3,251,697.

Cunningham, Fred A., J. O. Klatt, A. G. Pinson, and W. B. Brown, to The Facs Mfg. Co., Inc. Corn chip apparatus, method, and product. 3,294,545, 12-27-66, Cl. 99—80.

Cunningham, Guy C., to Shell Oil Co. Production of jet fuel. 3,230,165, 1-18-66, Cl. 208—89.

Cunningham, Hugh M., to Canadian Patents and Development Ltd. Method of supplementing the feed of growing swine with nicotine. 3,252,802, 5-24-66, Cl. 99—2.

Cunningham, Jack: *See*—
Ross, Edward E., Cunningham, and Hartman. 3,268,057.

Cunningham, James A., and R. P. Williams, to Texas Instruments Inc. Multilevel expanded metallic contacts for semi-conductor devices. 3,290,570, 12-6-66, Cl. 317—240.

Cunningham, James B.: *See*—
Travilla, James C., and Cunningham. 3,250,231.

Cunningham, James B., to General Steel Industries, Inc. Railway car construction. 3,286,659, 11-22-66, Cl. 105—420.

Cunningham, James B., to General Steel Industries, Inc. Steel-coil carrying car. 3,291,072, 12-13-66, Cl. 105—367.

Cunningham, James D., to The Deutsch Co. Electronics Components Division. Electrical connector. 3,246,281, 4-12-66, Cl. 339—176.

Cunningham, James M., to International Business Machines Corp. Print hammer mechanism and pressure control means in high speed printers. 3,241,480, 3-22-66, Cl. 101—93.

Cunningham, James, Son & Co.: *See*—
Vincent, Andrew W., and Belles. 3,250,860.

Cunningham, Jasper N.: *See*—
Peters, William Y. 3,235,742.
Peters, William Y. 3,259,118.
Peters, William Y. 3,291,110.

Cunningham, John A. Signal generator. 3,251,259, 5-17-66, Cl. 84—457.

Cunningham, Joseph A., to Cross-United Corp. Pipe engaging head for line-up clamp. 3,229,972, 1-18-66, Cl. 269—48.1.

Cunningham, Mabel: *See*—
Huston, Daisy D., and Cunningham. 3,252,489.

Cunningham, Marvin H.: *See*—
Greig, James W., and Cunningham. 3,242,245.
Greig, James W., and Cunningham. 3,250,660.

Cunningham, Marvin H., to Tri Mfg. & Sales Co. Apparatus for pre-expanding plastic material. 3,227,424, 1-4-66, Cl. 259—8.

Cunningham, Patrick J.: *See*—
Platus, David L., Marovich, and Cunningham. 3,231,049.
Platus, David L., Marovich, and Cunningham. 3,283,857.

Cunningham, Richard G.: *See*—
Sprague, Stanley R., and Cunningham. 3,259,583.

Cunningham, Ronald J. Step motor controller. 3,254,286, 5-31-66, Cl. 318—138.

Cunningham, Ronald J. Blocking oscillator with transistor rate control. 3,278,861, 10-11-66, Cl. 331—112.

Cunningham & Sons: *See*—
Cunningham, Arthur R. 3,288,468.
Cunningham, Thomas W. 3,260,225.

Cunningham, Thomas W.: *See*—
Cunningham, Arthur R. and T. W. 3,240,169.

Cunningham, Thomas W., to Cunningham & Sons. Wafering machine. 3,260,225, 7-12-66, Cl. 107—8.

Cunningham, Walter J., to Addressograph-Multigraph Corp. Business instruments. 3,255,697, 6-14-66, Cl. 101—369.

Cunningham, William H.: *See*—
Packard, Alfred R., and Cunningham. 3,269,433.

Cunningham, William J.: *See*—
Murphy, Kevin P., Orfeo, and Cunningham. 3,282,048

Cuozzi, Concetta. Foundation garment. 3,270,747, 9-6-66, Cl. 128—528.

Cuozzi, Concetta, to Corde de Parie, Inc. Foundation garment. 3,270,748, 9-6-66, Cl. 128—528.

Cupery, Harold E., to E. I. du Pont de Nemours and Co. Adamantane process. 3,274,274, 9-20-66, Cl. 260—666.

Cupp, Charles D., to Scott Aviation Corp. Demand regulator, 3,232,303, 2-1-6, Cl. 137—63.

Cupp, Charles D., to Scott Aviation Corp. Demand regulator of the screw thread type. 3,250,284, 5-10-66, Cl. 137—63.

Cupp, Charles D., to Scott Aviation Corp. Valve assembly for breathing apparatus. 3,256,910, 6-21-66, Cl. 137—625.41.

Cupp, Charles D., to Scott Aviation Corp. Protective shield attachment for face masks. 3,276,034, 10-4-66, Cl. 2—8.

Curatola, Paul C., J. W. Ritter, and T. R. Stevens, to Sarco Co., Inc. Valve having an adjustable stop. 3,258,612, 5-31-66, Cl. 137—553.

Curchack, Samuel, to Fannon Electronic Industries, Inc. Intercommunication system. 3,238,302, 3-1-66, Cl. 179—1.

Curci, Alfred. Convertible aircraft. 3,246,861, 4-19-66, Cl. 244—7.

Curcio, George F.: *See*—
Burlin, Benjamin H., and Curcio. 3,238,549.

Cure, John R., and W. A. Hubbard, to Associated Electrical Industries Ltd. Supporting arrangement for transformer coils. 3,234,492, 2-8-66, Cl. 336—65.

Curie, Robert J., J. R. Detamore, and K. Gardner, to The Corrugated Container Co. Filler head. 3,242,951, 3-29-66, Cl. 141—350.

Curl, Mark I., J. G. Hawley, S. C. Lockart, and H. N. Yazell, to The Goodyear Tire & Rubber Co. Wheel life indicator 3,233,828, 2-8-66, Cl. 235—95.

Curle, George L. Method and apparatus for preventing leading of spacebands in line-casting machines. 3,273,699, 9–20–66, Cl. 199—62.

Curler, Howard, and G. E. Lineburg, to Curwood, Inc. Laminated food package. 3,274,004, 9–20–66, Cl. 99—171.

Curler, Howard, and G. E. Lineburg, to Curwood Inc. Flexible wrapper. 3,249,218, 5–3–66, Cl. 206—84.

Curless, William T., H. L. Grimme, Jr., and G. A. Terry, to Gulf Oil Corp. Method of thawing ice with composition containing nitrates. 3,293,185, 12–20–66, Cl. 252—70.

Curlet, Alexander S., to Texaco Trinidad, Inc. Well liner. 3,255,821, 6–14–66, Cl. 166—46.

Curlett, John, and R. A. Gurries, to Gurries Mfg. Co. Road building machines. 3,230,846, 1–25–66, Cl. 94—46.

Curlett, John, and R. A. Gurries, to Gurries Mfg. Co. Construction machines. 3,249,026, 5–3–66, Cl. 94—46.

Curley, James B.: *See*—
Geyer, Charles J., Jr., and Curley. 3,282,039.

Curll, Allan R., Jr., B. I. Keprta, Jr., and D. T. Webb, to Philco Corp. Electronically controlled means for positioning rotatable shafts. 3,229,170, 1–11–66, Cl. 318—16.

Curn, Frantisek, to Naradni, narodni podnik. Method of preparing a diamond tool. 3,288,580, 11–29–66, Cl. 51—309.

Curra, Richard S., Jr., to Hussey Mfg. Co., Inc. Gymnasium stand. 3,279,131, 10–18–66, Cl. 52—36.

Curra, Richard S., Jr., to Hussey Mfg. Co., Inc. Tractor means for extending and retracting bleacher stand sections. 3,282,363, 11–1–66, Cl. 180—9.22.

Curran, Bernard E., to H. H. Robertson Co. Composite concrete floor construction and unitary shear connector. 3,251,167, 5–17–66, Cl. 52—327.

Curran, Edward E.: *See*—
Loehlein, Harold J., and Curran. 3,294,162.

Curran, John R., to International Telephone and Telegraph Corp. Pressure equalising plural valve structure. 3,285,287, 11–15–66, Cl. 137—630.

Curran, Matthew J.: *See*—
Anderson, Richard C., and Curran. 3,294,508.

Curran, Michael G. Double grip safety clamp. 3,258,821, 7–5–66, Cl. 24—243.

Curran, Robert E. Faucet stem jig. 3,273,957, 10–18–66, Cl. 10—1.

Curran, Robert E. Tangent form tool. 3,286,562, 11–22–66, Cl. 82—36.

Curran, Thomas R., to Mine Safety Appliances Co. Closure. 3,250,423, 5–10–66, Cl. 220—27.

Curran, William F. Game score computer. 3,281,071, 10–25–66, Cl. 235—71.

Curran, William V., and R. B. Angier, to American Cyanamid Co. Process for preparing orotidine. 3,282,919, 11–1–66, Cl. 260—211.5.

Curren, John L. Hot water heating boiler. 3,249,093, 5–3–66, Cl. 122—176.

Current, John M., to Johns-Manville Corp. Method and apparatus for winding strand material. 3,249,312, 5–3–66, Cl. 242—22.

Currey, Charles H., C. B. Bendell, A. C. L. Brown, and D. E. Haselwood, to A. C. Nielsen Co. Data transmitting and receiving system using pulse width modulation. 3,289,170, 11–29–66, Cl. 340—172.5.

Currie, Grover C. Additive feeding means. 3,228,040, 1–11–66, Cl. 4—226.

Currie, Grover C., Jr. to Weyerhaeuser Co. Machine for packaging articles. 3,254,470, 6–7–66, Cl. 53—48.

Currie, Grover C., Jr., to Weyerhaeuser Co. Pneumatic sheet separating and delivery means. 3,287,011, 11–22–66, Cl. 271—12.

Currie, James R., to United States of America, National Aeronautics and Space Administration. Bi-carrier demodulator with modulation. 3,243,791, 3–29–66, Cl. 340—198.

Currie, Orin R.: *See*—
Connors, James S., and Currie. 3,257,773.

Currie, Robert L. Power operated chain saw. 3,260,288, 7–12–66, Cl. 143—32.

Currie, William E.: *See*—
Stanley, John H., Currie, and DePuy. 3,233,924.

Currie, William E., to Parker-Hannifin Corp. Flared tube coupling joint and method for making the same. 3,265,413, 8–9–66, Cl. 285—334.4.

Currie, William E., to Parker-Hannifin Corp. Swivel coupling. 3,278,204, 10–11–66, Cl. 285—281.

Currie, William E., to Parker-Hannifin Corp. Hose coupling. 3,287,033, 11–22–66, Cl. 285—40.

Currier, John A.: *See*—
Millar, John J., and Currier. 3,260,071.
Millar, John J., and Currier. 3,260,072.

Currier, Richard D. Container holddown device. 3,249,329, 5–3–66, Cl. 248—119.

Currier, Robert N. Musical instrument. 3,230,815, 1–25–66, Cl. 84—315.

Currier, Sumner S., to Kaman Aircraft Corp. In-flight cargo pick-up device. 3,227,401, 1–4–66, Cl. 244—137.

Currier, Vernon A., and M. Cuscurida, to Jefferson Chemical Co., Inc. Preparation of polyurethane foam from 1-{2[bis (2 - hydroxypropyl)amino]ethyl} - 4 - (2 - hydroxypropyl) piperazine. 3,251,788, 5–17–66, Cl. 260—2.5.

Curriston, Loren E.: *See*—
Icenbice, Phineas J., Jr., Curriston, and Holland. 3,288,402.
Schneider, Walter L., Curriston, and Evans. 3,257,354.

Currivan, John F. Connector means. 3,276,109, 10–4–66, Cl. 29—200.

Curry, Byron V.: *See*—
Anderson, Paul G. 3,273,937.
Henning, Lawrence M. 3,279,015.
Waller, Robert J., and Lindquist. 3,263,903.

Curry, John P. Material dispenser for packing a column of narrow tubing. 3,281,019, 10–25–66, Cl. 222—158.

Curry, Kenneth D. Cutting heads and sharpeners for tire tread cutting machines. 3,277,944, 10–11–66, Cl. 157—13.

Curry, Nolan A.: *See*—
Timmer, William F., and Curry. 3,266,878.
Timmer, William F., and Curry. 3,284,178.

Curry, Paul. Underwater electric field communication system. 3,265,972, 8–9–66, Cl. 325—28.

Curry, Philip E., and P. P. Demopoulos, to Monsanto Chemical Co. Metering pump. 3,272,140, 9–13–66, Cl. 103—126.

Curry, Philip E., and P. P. Demopoulos, to Monsanto Co. Metering pump. 3,272,141, 9–13–66, Cl. 103—126.

Curry, Robert J. Copy-fitting device. 3,298,761, 12–27–66, Cl. 33—150.

Curry, Robert S., Jr., T. Gold, R. P. Snodgrass, and I. S. Westerback, to Sperry Rand Corp. Image producing apparatus. 3,237,193, 2–22–66, Cl. 343—108.

Curry, Robert S., Jr., T. Gold, R. P. Snodgrass, and I. S. Westerback, to Sperry Rand Corp. Image producing apparatus. 3,237,194, 2–22–66, Cl. 343—108.

Curry, Truman M. Parallel member moment transfer means. 3,241,360, 3–22–66, Cl. 73—147.

Curry, Truman M., to The Boeing Co. Temperature compensated strain gage and circuit. 3,290,928, 12–13–66, Cl. 73—88.5.

Curtenius, Frederick B., and R. W. Polderman, Paper trimming and piling apparatus. 3,273,725, 9–20–66, Cl. 214—1.6.

Curtice, George L.: *See*—
Morris, Earl L., and Curtice. 3,273,173.

Curtin, Paul J., to McGraw-Edison Co. Light sensitive bimetallic control switch. 3,275,832, 9–27–66, Cl. 250—206.

Curti, Paul. Atomizer. 3,265,812, 8–9–66, Cl. 239—355.

Curtis 1000, Inc.: *See*—
Mudd, Frank X., Jr. 3,237,970.
Mudd, Frank X., Jr. 3,294,423.

Curtis Automatics, Inc.: *See*—
Curtis, Wilbur D., and Lowry. 3,291,033.

Curtis Development & Mfg. Co.: *See*—
Curtis, Herbert C. 3,260,989.

Curtis Dyna-Products Corp.: *See*—
Stevens, Robert E. 3,239,960.

Curtis, Fred C., D. D. Larson, R. E. Thomas, and C. W. Libby, to Burroughs Corp. Method of manufacturing a magnetic transducer. 3,238,603, 3–8–66, Cl. 29—155.5.

Curtis, Fred C., M. I. Behr, H. M. Merrill, and R. E. Thomas, to Burroughs Corp. Magnetic transducer. 3,249,928, 5–3–66, Cl. 340—174.1.

Curtis, Gale B. Circuits for sound reproduction. 3,280,258, 10–18–66, Cl. 179—1.

Curtis, George G.: *See*—
Buchner, Bernard, and Curtis. 3,285,999.
Buchner, Bernard, and Curtis. 3,286,001.

Curtis, George G., and B. Buchner, to Continental Oil Co. Preparation of organophosphorus S-bensyl-thioalkylamine derivatives and their debensylation products. 3,286,002, 11–15–66, Cl. 260—947.

Curtis, Helene, Industries, Inc.: *See*—
Banke, Henry S. 3,292,249.

Curtis, Herbert C., to Curtis Development & Mfg. Co. Captivated screw. 3,260,989, 7–12–66, Cl. 339—272.

Curtis Instruments, Inc.: *See*—
Beusman, Curtis C. 3,293,731.
Marwell, Edward M., and Beusman. 3,255,413.

Curtis, James H., to Miles Laboratories, Inc. Reaction product of a dialdehyde polysaccharide with a metal salt and preparing paper containing same. 3,236,721, 2–22–66, Cl. 162—175.

Curtis, James H., to Miles Laboratories, Inc. Water-dispersible form of dialdehyde polysaccharides and process therefor. 3,236,792, 2–22–66, Cl. 260—17.3.

Curtis, James H., to Miles Laboratories, Inc. Water dispersible form of dialdehyde polysaccharides and process therefor. 3,269,964, 8–30–66, Cl. 260—17.3.

Curtis, John G., to Corning Glass Works. Electrical resistance element. 3,248,682, 4–26–66, Cl. 338—300.

Curtis, John G., to Corning Glass Works. Method of sorting out defective metallic resistors by sensing the current noise index thereof. 3,249,222, 5–3–66, Cl. 209—81.

Curtis, John P., to Adams-Russell Co., Inc. Hybrid circuit having separate coupling transformer at the sum port and difference port and having tuning means to improve operation. 3,273,079, 9–13–66, Cl. 333—11.

Curtis, John R.: *See*—
Holt, Sherwood G., and Curtis. 3,252,853.

Curtis, Joseph A., Jr. Smoking accessory. 3,269,394, 8–30–66, Cl. 131—210.

Curtis, Myron C., and E. G. Straw, to Walker Mfg. Co. Sheet metal tubular exhaust gas element deformed to provide elbow. 3,259,149, 7–5–66, Cl. 138—178.

Curtis & Marble Machine Co.: *See*—
Remington, Leland F., and Skillin. 3,276,605.

Curtis Noll Corp.: *See*—
Liepts, Nathan S. 3,286,596.

Curtis, Ralph J., to General Motors Corp. Polyurethane coatings for electrical conductors and the like. 3,245,960, 4–12–66, Cl. 260—77.5.

Curtis, Ralph J., to General Motors Corp. Urethane coating composition for electrical conductors and method. 3,252,944, 5–24–66, Cl. 260—77.5.

Curtis, Ralston: *See*—
Arnekley, Duane R., and Curtis. 3,294,520.

Curtis, Ralston, and T. L. Snell, to Stauffer Chemical Co. Synergistic herbicidal composition and method. 3,287,101, 11–22–66, Cl. 71—2.3.

Curtis, Robert G., and S. W. Gates, to Motorola, Inc. Increased resolution time interval measuring system. 3,229,201, 1–11–66, Cl. 324—68.

Curtis, S., and Son, Inc.: *See*—
Gorton, Robert T. 3,259,298.

Curtis, Thomas E.: *See*—
Ball, Robert D., and Curtis. 3,255,322.

Curtis, Thomas E., to A. B. Chance Co. Three-phase cluster mounted lightning arrestor. 3,294,892, 12–27–66, Cl. 174—2.

Curtis, Thomas E. to A. B. Chance Co. Combination expendable cap holder and fuse link retainer for electrical distribution cutout. 3,294,939, 12–27–66, Cl. 200—127.

Curtis, Thomas E., and M. A. Gebhardt, to A. B. Chance Co. Operating assembly for load break switchgear. 3,255,332, 6–7–66, Cl. 200—146.

Curtis, Wilbur D., and T. M. Lowry, to Curtis Automatics, Inc. Automatic coffee brewing machine. 3,291,033, 12–13–66, Cl. 99—283.

Curtis, William B., and W. C. Scott; said Curtis assor. to said Scott. Kites. 3,241,793, 3–22–66, Cl. 244—153.

Curtis, William B., and W. C. Scott. Kite. 3,292,883, 12–20–66, Cl. 244—153.

Curtiss, Alan F., to Continental Can Co., Inc. Method of making bail ears with segmented flanges. 3,241,510, 3–22–66, Cl. 113—120.

Curtiss, Charles R., ½ to J. Witcher. Internal combustion engine. 3,244,156, 4–5–66, Cl. 123—11.

Curtiss, Lawrence E., 33⅓% to B. I. Hirschowitz, and 33⅓% to W. Peters. Method and apparatus for making fibrous light-conducting devices. 3,286,710, 2–22–66, Cl. 156—167.

Curtiss, Lawrence M., to The Thomas & Betts Co. Universal screw head. 3,269,250, 8–30–66, Cl. 85—45.

Curtiss-Wright Corp.: *See*—
Bastian, Arthur L. 3,241,090.
Baxter, Donald J. 3,245,494.
Baxter, Donald J. 3,249,175.
Beck, Kenneth H., and Shepley. 3,237,150.
Bennett, Raymur B. 3,240,275.
Bennett, Raymur B., Cushman, and Khiralla. 3,258,995.
Bentele, Max. 3,245,386.
Bentele, Max. 3,246,636.
Bentele, Max, Jones, Kling, and Slane. 3,289,650.
Biehl, Richard E., and Loprete. 3,266,236.
Bonhomme, Francois R. 3,229,356.
Bonner, George A. 3,269,372.
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Jones, Charles. 3,230,789.
Jones, Charles. 3,240,423.
Kalil, Emil O., and Gregory. 3,285,184.
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Phillips, Graham R., Henderson, and Andreas. 3,253,170.
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Sabatiuk, Andrew. 3,269,120.
Sneeden, Ralph J. 3,267,676.
Turner, Alec F., and Corwin. 3,289,647.
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Curto, Nicholas J., to Owens-Illinois, Inc. Method and apparatus for forming a hollow plastic article. 3,277,223, 10–4–66, Cl. 264—97.

Curtze, Edward W., C. A. Mikus, and C. O. Huffman, to Pittsburgh Plate Glass Co. Apparatus and method for scoring continuously moving glass sheets. 3,244,337, 4–5–66, Cl. 225—2.

Curutchet, Mildred: *See*—
Oliver, Joseph E. 3,288,518.

Curutchet, Pete: *See*—
Oliver, Joseph E. 3,288,518.

Curvale, Pierre P.: *See*—
Le Tilly, Henri F. P., and Curvale. 3,281,629.

Curwood, Inc.: *See*—
Curler, Howard, and Lineburg. 3,249,218.
Curler, Howard, and Lineburg. 3,274,004.

Cusack, George F., to Wagner Electric Corp. Adjustment mechanism. 3,279,565, 10–18–66, Cl. 188—79.5.

Cusanelli, Dominic C.: *See*—
Hoffmann, James E., and Cusanelli. 3,249,399.

Cusano, Dominic A., and R. L. Sormberger, to General Electric Co. Semiconductor photovoltaic devices. 3,290,175, 12–6–66, Cl. 136—89.

Cuscino, Thomas A.: *See*—
Crowell, Richard S., and Cuscino. 3,271,827.

Cuscurida, Michael: *See*—
Currier, Vernon A., and Cuscurida. 3,251,788.

Cushing, Donald S., to General Electric Co. Rack structure for dishwasher. 3,258,127, 6–28–66, Cl. 211—41.

Cushing, Donald S., to General Electric Co. Rack structure for dishwasher. 3,269,790, 8–30–66, Cl. 312—328.

Cushing, Donald S., to General Electric Co. Control means for electric motor start winding. 3,286,149, 11–15–66, Cl. 318—221.

Cushing, Donald S., to General Electric Co. Non-clogging dishwasher arm orifices forming a fan-like vena contracta spray pattern. 3,288,372, 11–29–66, Cl. 239—251.

Cushing, Donald S., to General Electric Co. Door structure for washing appliance. 3,289,896, 12–6–66, Cl. 222—154.

Cushing, Philip S., and H. E. Stone. Cap for paper core. 3,291,413, 12–13–66, Cl. 242—68.6.

Cushing, Vincent J. Apparatus for measuring mass flow and density. 3,251,226, 5–17–66, Cl. 73—205.

Cushing, Vincent J. Electromagnetic flowmeter. 3,274,831, 9–27–66, Cl. 73—194.

Cushing, Vincent J. Magnetoelectric flowmeter apparatus. 3,286,522, 11–22–66, Cl. 73—194.

Cushing, Walter V., to Westinghouse Electric Corp. Method for processing discharge lamps. 3,275,397, 9–27–66, Cl. 316—25.

Cushion Coupler Corp.: *See*—
Gray, Thomas C. 3,246,771.

Cushman Industries, Inc.: *See*—
Roddy, John J. 3,248,122.

Cushman, Everett H., to Air Reduction Co. Inc. High-speed butt-welding method and apparatus. 3,275,786, 9–27–66, Cl. 219—60.

Cushman, Kenneth V. Thermo-barrier fastener. 3,285,311, 11–15–66, Cl. 151—21.

Cushman, Maurice E.: *See*—
Bennett, Raymur B., Cushman, and Khiralla. 3,258,995.

Cushman, Walton W. Process for moisturizing stale baked dough products and package utilised therefor. 3,322,708, 11–1–66, Cl. 99—172.

Cusi, Dante S. Method for separating solids in liquid suspension. 3,231,087, 1–25–66, Cl. 209—250.

Cusic, John W., and W. E. Coyne, to G. D. Searle & Co. Complex amides of dihydrodibenzo[b,e][1,4]diazepine-10-carboxylic acids. 3,231,565, 1–25–66, Cl. 260—239.

Cusic, John W., and P. Yonan, to G. D. Searle & Co. Esters of xanthenylpiperidinecarboxylic acid and related compounds. 3,252,984, 5–24–66, Cl. 260—293.4.

Cusic, John W., and P. Yonan, to G. D. Searle & Co. 1-xanthenyl-4-phenylpiperidine-4-carboxylic acid esters. 3,256,505, 6–14–66, Cl. 260—293.4.

Cusic, John W., and P. Yonan, to G. D. Searle & Co. Amino-substituted xanthenes and thioxanthenes. 3,262,934, 7–26–66, Cl. 260—268.

Cusic, John W., and P. Yonan, to G. D. Searle & Co. Complex hydrazones containing the ferrocene structure. 3,265,687, 8–9–66, Cl. 260—240.

Cusic, John W., and P. Yonan, to G. D. Searle & Co. Hydrazones of 1-amino-4-xanthenecarbonylpiperazines. 3,284,449, 11–8–66, Cl. 260—240.

Cusic, John W., and H. W. Sause, to G. D. Searle & Co. Pyrrolidinyl N-phenyl - N - benzylcarbamates. 3,287,471, 11–22–66, Cl. 260—326.3.

Cusic, John W., and P. Yonan, to G. D. Searle & Co. Hydrazones of 1 - amino - 4 - dibenzocycloheptenylpiperazine. 3,290,300, 12–6–66, Cl. 260—240.

Cusic, John W., and P. Yonan, to G. D. Searle & Co. 1-carbamoyl-4-xanthenylpiperazines. 3,290,313, 12–6–66, Cl. 260—268.

Cusic, John W., and P. Yonan, to G. D. Searle & Co. Hydrazones of 1-amino-4-diphenylpropenylpiperazines. 3,294,787, 12–27–66, Cl. 260—240.

Cusic, John W., and P. Yonan, to G. D. Searle & Co. Hydrazones of 1-amino-4-diphenylacetylpiperazines. 3,294,788, 12–27–66, Cl. 260—240.

Custers, Jan F. H.: *See*—
Blainey, Alan, and Custers. 3,239,321.

Custin, Thomas G. Composite audio-visual record. 3,240,329, 3–15–66, Cl. 206—59.

Custom Plastics, Inc.: *See*—
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Custom Component Switches, Inc.: *See*—
Griffith, Donald L., Nowlin, and Berry. 3,286,059.

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Cuta, Robert J., to Research Products Corp. Locking method. 3,252,213, 5–24–66, Cl. 29—432.1.

Cuta, Robert J., to Research Products Corp. Air filter having ductile metal frame. 3,292,349, 12–20–66, Cl. 55—511.

Cutaia, Alfred, to International Business Machines Corp. Digital pulse generator with compensation for document velocity variations. 3,272,969, 9–13–66, Cl. 235—61.11.

Cuthbert, Victor W.: *See*—
Cobb, Clifton A., and Cuthbert. 3,233,778.

Cuthbert, William W., to United States of America, Navy. Pulse-gated radar range tracking system. 3,267,465, 8–16–66, Cl. 343—7.3.

Cutler, Cassius C., R. Kompfner, and L. C. Tillotson, to Bell Telephone Laboratories, Inc. Antenna system. 3,273,151, 9–13–66, Cl. 343—100.

Cutler, David A., to Triangle Publications, Inc. Protective sleeve. 3,292,535, 12–20–66, Cl. 101—375.

Cutler, Duncan B., and D. R. Middour, to The Woodman Co., Inc. Particle stopper apparatus for form and fill machine. 3,262,244, 7–26–66, Cl. 53—182.

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Arguin, Roger G., and Stiefel. 3,258,649.
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Carter, Uriel F. 3,267,239.
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Conover, Louis S., Jr., and Kintner. 3,268,710.
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Doniger, Jerry, and Tatz. 3,266,040.
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Hackbarth, Russell R., Rae, Sadowski, Shepherd, and Winter. 3,236,362.
Hackbarth, Russell R., Rae, Sadowski, and Winter. 3,236,361.
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Kuhn, Clarence W., and Smith. 3,241,381.
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Paine, Larry W., and Steinberg. 3,295,109.
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Cutler, John H.: *See*—
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Cutler, John H., and H. H. Britten, incompetent (by J. B. Stombock, committee), to General Electric Co. Electronic circuits. 3,265,952, 8–9–66, Cl. 321—18.

Cutler, Stanley, and S. Heytow, to Warwick Electronics Inc. Percussion circuit. 3,235,650, 2–15–66, Cl. 84—1.26.

Cutler, Leonard S., to Hewlett-Packard Co. Frequency synthesizer. 3,273,073, 9–13–66, Cl. 331—38.

Cutler, Neville G.: *See*—
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Cutler, Royal A., and S. Schalit, to Sterling Drug Co. 4,6-diamino-1-aryl-1,2-dihydro-s-triazines. 3,272,814, 9–13–66, Cl. 260—249.9.

Cutler, Royal A., and S. Schalit, to Sterling Drug Inc. 1,1'-(alkylene)bis(5-arylbiguanides). 3,272,863, 9–13–66, Cl. 260—565.

Cutrone, John N., to Ram Tool Corp. Sander attachment for electric motor driven tools. 3,226,885, 1–4–66, Cl. 51—170.

Cuttahead Co. Ltd., The: *See*—
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Cutter, Frank D. Inspection facilitating means. 3,243,040, 3–29–66, Cl. 209—123.

Cutter Laboratories, Inc.: *See*—
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Hardie, Waldo R., and Halverstadt. 3,262,938.
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Cutters Machine Co., Inc.: *See*—
Blankenship, Verlie E. 3,286,986.

Cuttill, William E., C. M. Hawkins, J. P. Kern, C. W. Schade, and A. J. Sobey, to General Motors Corp. Reignitable rocket. 3,293,855, 12–27–66, Cl. 60—229.

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Merrill, Edward M. 3,284,017.
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Wendelken, Gerard J. 3,227,390.

Cuttino, William H., to Westinghouse Electric Corp. Capacitor stacking unit. 3,265,934, 8–9–66, Cl. 317—99

Cuttler, Morry, and H. G. Sanquist. Bow making device. 3,286,888, 11–22–66, Cl. 223—46.

Cutton, John G.: *See*—
Clevenger, Robert M., and Cutton. 3,249,996.

Cutts, Burton, and J. M. Hutcheon, to United Kingdom Atomic Energy Authority. Gas cooled nuclear reactor having removable fuel tube assemblies disposed in mass of granular moderator. 3,227,620, 1–4–66, Cl. 176—27.

Cutty, Robert H., to Continental Can Co., Inc. Corrugated wrap for automobile fenders. 3,235,070, 2–15–66, Cl. 206—65.

Cuva, Angelo C. Tape reel. 3,232,550, 2–1–66, Cl. 242—71.8.

Cuva, Angelo C. Tape reel. 3,289,965, 12–6–66, Cl. 242—71.8.

Cvacho, Daniel S., to Reynolds Metals Co. Inline method and apparatus for making tubular container bodies and the like. 3,253,520, 5–31–66, Cl. 93—80.

Cvacho, Daniel S., to Reynolds Metals Co. Container construction. 3,269,642, 8–30–66, Cl. 229—53.

Cvacho, Daniel S., G. D. Bryan, Jr., and H. W. Lee, Jr., to Reynolds Metals Co. Method and apparatus for bending and cutting a partially slitted long tube to produce a plurality of relatively short tubes. 3,228,272, 1–11–66, Cl. 83—37.

Cvacho, Daniel S., and L. R. Payton, to Reynolds Metals Co. Method and apparatus for applying labels to containers. 3,235,433, 2–15–66, Cl. 156—229.

Cvacho, Daniel S., and J. A. Bowling, to Reynolds Metals Co. Sidewise alignment of a longitudinally moving strip and the like. 3,243,089, 3–29–66, Cl. 226—180.

Cvacho, Daniel S., G. D. Bryan, Jr., J. A. Bowling, and W. C. Whitaker, to Reynolds Metals Co. Apparatus and methods for producing openings and/or slits on strip material and the like. 3,251,265, 5–17–66, Cl. 83—41.

Cvacho, Daniel S. and F. I. Robertson, Jr., to Reynolds Metals Co. Method and apparatus for rotating and/or axially advancing tubular stock or the like. 3,289,554, 12–6–66, Cl. 93—80.

Cwik, Lester L., to The Glidden Co. Foamed polyurethane having a marbleized appearance and process for making same. 3,239,474, 3–8–66, Cl. 260—2.5.

Cyanede Plastics, Inc.: *See*—
Yates, Cyril J. 3,258,847.

Cyba, Henryk A., to Universal Oil Products Co. Stabilization of organic substances with dithiophosphate salts. 3,238,132, 3–1–66, Cl. 252—32.7.

Cyba, Henryk A., to Universal Oil Products Co. Stabilization of organic compounds. 3,240,574, 3–15–66, Cl. 44—63.

Cyba, Henryk A., to Universal Oil Products Co. Diisopropyldithiophosphatyl thioketals. 3,263,000, 7–26–66, Cl. 260—929.

Cyba, Henryk A., to Universal Oil Products Co. Metal coordination complex of O-hydroxybenzalaminodiphenylamine. 3,268,567, 8–23–66, Cl. 260—429.9.

Cyba, Henryk A., to Universal Oil Products Co. Stabilization of organic substances. 3,271,312, 9–6–66, Cl. 252—46.7.

Cyba, Henryk A., to Universal Oil Products Co. Stabilization of olefin polymers with N-hydrocarbyl alkanolamines. 3,288,748, 11–29–66, Cl. 260—45.9.

Cyba, Henryk A., to Universal Oil Products Co. Reaction product of substituted-aminoalkyl alkanolamine and polycarboxylic acid or the like. 3,288,774, 11–29–66, Cl. 260—97.

Cyba, Henryk A., to Universal Oil Products Co. Phosphatylthioepoxide. 3,291,809, 12–13–66, Cl. 260—327.

Cyba, Henryk A., and R. H. Rosenwald, to Universal Oil Products Co. Stabilization of organic substances. 3,240,706, 3–15–66, Cl. 252—51.5.

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Cybulski, Edward B.: *See*—
Thompson, Norman F., 3rd, and Cybulski. 3,283,391.

Cycle Equipment Co.: *See*—
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Rodrigues, Anthony F. 3,254,819.
Rodrigues, Anthony F. 3,254,860.

Cyclops Corp.: *See*—
Harvey, Richard F., and Bryant. 3,254,867.

Cyclops, Inc.: *See*—
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Cymara, Hermann K. Leaf baler. 3,229,820, 1–18–66, Cl. 15—348.

Cymara, Hermann K. Double drop barn cleaner. 3,229,664, 1–18–66, Cl. 119—28.

Cymara, Hermann K. Silo. 3,230,017, 1–18–66, Cl. 302—60.

Cymbalisty, Lubomyr M. O., 30% to Cities Service Athabasca, Inc., 30% to Imperial Oil Ltd., 30% to Richfield Oil Corp., and 10% to Royalite Oil Co., Ltd. Treating apparatus. 3,262,218, 7–26–66, Cl. 34—124.

Cymbalisty, Lubomyr M. O., 30% to Cities Service Athabasca Inc., 30% to Imperial Oil Ltd., 30% to Atlantic Richfield Co., and 10% to Royalite Oil Co. Ltd. Timer actuated shaft sealing device. 3,282,592, 11–1–66, Cl. 277—3.

Cypher, James H.: *See*—
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Cypher, James H., and C. R. Davidson, Jr., to Pittsburgh Plate Glass Co. Method of heat treating glass sheets while conveying. 3,245,772, 4–12–66, Cl. 65—111.

Cyphers, Elmer B., and M. W. Hill, to Esso Research and Engineering Co. Stable colloidal dispersions of molybdenum sulfide. 3,281,355, 10–25–66, Cl. 252—18.

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Czenkusch, Edward L., J. P. Hogan, D. W. Walker, and G. Bjornson, to Phillips Petroleum Co. Polymerization catalyst and polymerization process. 3,244,682, 4–5–66, Cl. 260—88.2.

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Dalmon, Hiroshi, K. Kamio, and S. Kojima, to Nippon Carbide Kogyo Kabushiki Kaisha. Process for polymerising olefin oxides with a catalyst consisting of an organozine compound and an amine. 3,284,374, 11–8–66, Cl. 260—2.
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Dajani, Mahmoud, to Nalco Chemical Co. Inhibiting corrosion of metal conductors. 3,247,094, 4–19–66, Cl. 208—47.
Dajani, Mahmoud T., to Nalco Chemical Co. Method for determining petroleum hydrocarbon characteristics. 3,250,117, 5–10–66, Cl. 73—53.
Dajani, Mahmoud T., and R. B. Thompson, to Nalco Chemical Co. Water purification method. 3,284,351, 11–8–66, Cl. 210—63.
Dake Corp.: *See*—
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Daker, Robert K., and C. W. Freeburn. Answer recorders. 3,248,808, 5–3–66, Cl. 35—48.
Dakin, Eric M., and R. W. Blower, to Associated Electrical Industries Ltd. Electric switchgear. 3,242,276, 3–22–66, Cl. 200—50.
Dakin, Ralph K., N. B. Rickless, and P. L. Ruben, to Bausch & Lomb Inc. Pancratic condenser for projectors. 3,294,470, 12–27–66, Cl. 350—184.
Dakin, Robin M., to Bristol-Siddeley Engines Ltd. Governor control for a fuel system of a gas turbine power-producing plant. 3,274,773, 9–27–66, Cl. 60—39.28.
Dakin, Robin M., to Bristol Siddeley Engines Ltd. Governor control for a fuel system of a gas turbine engine. 3,277,911, 10–11–66, Cl. 137—29.
Dakin, Robin M., to Bristol Siddeley Engines Ltd. Governor control for a fuel system of a gas turbine power-producing plant. 3,279,171, 10–18–66, Cl. 60—39.28.
Dakil, Ibrahim, F. Sabbioni, E. Bondi, and N. Oddo, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Polyoxymethylenes containing allophanates as stabilizers. 3,280,068, 10–18–66, Cl. 260—45.85.
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Dal Bianco, Bruno, and M. Scata, to International Standard Electric Corp. Sealed contact device with ferrite elements. 3,233,062, 2–1–66, Cl. 200—87.
Dal Bianco, Bruno, and M. Scata, to International Standard Electric Corp. Sealed switch for strong currents. 3,236,965, 2–22–66, Cl. 200—87.
Dal Bianco, Bruno, and M. Scata, to International Standard Electrical Corp. Electrical switching device and method for making. Re. 25,988, 3–22–66, Cl. 200—87.
Dalbo, Cesar M. Friction-decimal calculator. 3,272,431, 9–13–66, Cl. 235—69.
Dalby, Gaston, ½ to B. T. Rauber. Method of forming monoglycerides of carboxylic organic acids. 3,251,870, 5–17–66, Cl. 260—410.7.
Dalby, Gaston, ½ to B. J. Rauber. Process for making glutathione. 3,281,407, 10–25–66, Cl. 260—112.5.
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Dale, Ingvald, and J. W. Caswell, to Lamb-Grays Harbor Co., Inc. Vacuum controlling of sheet delivery. 3,285,113, 11–15–66, Cl. 83—152.
Dale, James T. Motion picture viewer and film advance mechanism. 3,265,457, 8–9–66, Cl. 352—129.
Dale, James W., and G. J. O'Neill, to Monsanto Research Corp. Process for preparing tetrafluoro- and pentafluorobenzenes. 3,231,624, 1–25–66, Cl. 260—650.
Dale, Johannes: *See*—
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Dale, John C., and P. S. Fuss, to Bell Telephone Laboratories, Inc. Frequency stabilized sweep frequency generator. 3,274,511, 9–20–66, Cl. 331—10.

Dale, John R., to North American Philips Co., Inc. Compound semiconductor device and method of making same by alloying. 3,279,961, 10–18–66, Cl. 148—185.

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D'Alelio, Gaetano F., to Metal Recovery Systems. Chelating resins and method of preparation. 3,228,920, 1–11–66, Cl. 260—88.1.

D'Alelio, Gaetano F., to Dal Mon Research Co. Boron-containing polymers. 3,234,288, 2–8–66, Cl. 260—606.5.

D'Alelio, Gaetano F., to Dal Mon Research Co. Polymeric compositions comprising boron containing polymers and an oxidizing agent. 3,242,021, 3–22–66, Cl. 149—19.

D'Alelio, Gaetano F., to Dal Mon Research Co. Unsaturated triazine compounds. 3,244,709, 4–5–66, Cl. 260—248.

D'Alelio, Gaetano F., to Dal Mon Research Co. Polymeric high energy boron fuel compositions. 3,247,034, 4–19–66, Cl. 149—19.

D'Alelio, Gaetano F., to Dal Mon Research Co. Picolylamides of alkene-1,2 carboxylic acids and polymers and copolymers thereof. 3,247,166, 4–19–66, Cl. 260—78.

D'Alelio, Gaetano F., to Dal Mon Research Co. Organometallo compounds. 3,247,261, 4–19–66, Cl. 260—615.

D'Alelio, Gaetano F., to Dal Mon Research Co. High energy magnesium-containing polymeric compositions. 3,247,268, 4–19–66, Cl. 260—665.

D'Alelio, Gaetano F., to Dal Mon Research Co. Unsaturated arylene phosphonium monomers. 3,248,457, 4–26–66, Cl. 260—461.

D'Alelio, Gaetano F., to Dal Mon Research Co. Polymerizable triazines and products thereof. 3,271,478, 9–6–66, Cl. 260—898.

D'Alelio, Gaetano F., to Dal Mon Research Co. Reaction products of aldehydes and triazine derivatives containing amino ethyl sulfonic acid groups. 3,277,059, 10–4–66, Cl. 260—67.6.

D'Alelio, Gaetano F., to Dal Mon Research Co. Polymeric compositions. 3,280,088, 10–18–66, Cl. 260—91.1.

D'Alelio, Gaetano F., to Dal Mon Research Co. Unsaturated addition polymers convertible by oxygen to insoluble polymers. 3,284,385, 11–8–66, Cl. 260—23.

D'Alelio, Gaetano F., to Dal Mon Research Co. Alkyd copolymers of halogen-containing phosphonium monomers and polymers. 3,284,540, 11–8–66, Cl. 260—869.

D'Alelio, Gaetano F., to Dal Mon Research Co. Oxygen-convertible block copolymers of polymeric dianions. 3,287,298, 11–22–66, Cl. 260—23.

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D'Alessandro, Ignatius A., and C. A. Muller, to Sperry Rand Corp. Magnetic head suspensions. 3,292,169, 12–13–66, Cl. 340—174.1.

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D'Alessio, Philip A.: *See*—
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D'Alessio, Stephen A. and P. A. Laminated panels and their method of production. 3,290,204, 12–6–66, Cl. 161—43.

Daley, Carl R., to Sperry Rand Corp. Spiral hinge. 3,242,523, 3–29–66, Cl. 16—171.

Daley, Eugene J.: *See*—
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Daley, John L. S., to Union Carbide Corp. Venting means for a galvanic cell. 3,293,081, 12–20–66, Cl. 136—178.

Daley, Robert E. Hot top for ingot mold. 3,239,187, 3–8–66, Cl. 249—202.

Dalglish, Herbert F. Core clutch. 3,263,938, 8–2–66, Cl. 242—72.

Dalibor, Horst, to Reichhold Chemicals, Inc. Process for preparing copolymers of polyesters containing polymerizable groups and α,β-ethylenically unsaturated compounds and to the resulting product. 3,287,292, 11–22–66, Cl. 260—22.

Dalibor, Horst, to Reichhold Chemicals, Inc. Process for preparing copolymers from polyesters containing polymerizable groups and α,β-ethylenically unsaturated compounds and product. 3,287,293, 11–22–66, Cl. 260—22.

Dalibor, Horst, and J. Kuhr, to Reichhold Chemicals, Inc. Phenol formaldehyde-aniline condensation products plasticized with epoxydized soya oil. 3,256,222, 6–14–66, Cl. 260—19.

Dalin, David. Steam and hot water boiler. 3,259,107, 7–5–66, Cl. 122—136.

Dalin, George A.: *See*—
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Dalin, Gustav B., to Dagens Nyheters Aktiebolag. Method of sorting out defective printed matter arriving from rotary printing machines, particularly newspaper printing machines, and device for carrying the method into effect. 3,289,835, 12–6–66, Cl. 209—125.

Daline, Gordon. Easily installable post for fences, docks and the like. 3,293,809, 12–27–66, Cl. 52—157.

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Dall, Edward D. 3,259,354.

Dall, Edward D., deceased: B. L. Dall, administratrix. Seat track. 3,237,907, 3–1–66. Cl. 248—430.

Dall, Edward D., deceased; B. L. Dall, administratrix. Seat track. 3,259,354, 7–5–66, Cl. 248—429.

Dallas, Charles A., M. A. Deisz, and W. R. Haefele, to Shell Oil Co. Laminates of polyalkenes and certain block copolymers. 3,242,038, 3–22–66, Cl. 161—253.

Dallas, James P., and P. R. Verbeke. Method of spot welding pretensioned banding. 3,242,306, 3–22–66, Cl. 219—91.

Dallas, Wilbur G., to Gorman-Rupp Industries, Inc. Double action pinch tube valve. 3,278,153, 10–11–66, Cl. 251—7.

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Natta, Giullo, Mazzanti, and Dall'Asta. 3,231,552.
Natta, Giullo, Mazzanti, and Dall'Asta. 3,252,956.

Dalle, Francois, G. Kalopissis, and B. Daragan, to Societe Anonyme dite: L'Oreal. Apparatus for producing constant proportion mixtures of two or more aerosols. 3,236,418, 2–22–66, Cl. 222—135.

Dallen, Leslie F., to English Numbering Machines Ltd. Two input counter unit. 3,243,111, 3–29–66, Cl. 235—138.

Dallett, Lawrence R., to United States of America, Navy. Bonding material for propellant grains. 3,276,379, 10–4–66, Cl. 102—98.

Dalley, James E., to Sperry Rand Corp. Stepping switches employing blocking means selectively disabling stepping. 3,260,861, 7–12–66, Cl. 307—88.5.

Dall'O, Benjamin. Apparatus for drying laundry. 3,284,916, 11–15–66. Cl. 34—15.

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Dally, Roy, to General Electric Co. Stereo phonograph cartridge. 3,266,808, 8–16–66, Cl. 274—26.

Dally, Roy, to General Electric Co. Tone arm and cartridge combination. 3,291,488, 12–13–66, Cl. 274—24.

Dally, Roy, and W. A. Cavagnaro, to General Electric Co. Coupler for a stereo phonograph cartridge. 3,294,025, 12–27–66, Cl. 179—100.41.

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D'Alelio, Gaetano F. 3,284,540.
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Dalpiaz, Jullus A., to A. B. Carter, Inc. Electrolessly plated textile ring traveler. 3,226,924, 1–4–66, Cl. 57—125.

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Dalrymple, Roy F., Jr. Combined see-saw and water sprayer. 3,231,269, 1–25–66. Cl. 272—54.

Dalrymple, Wayne W., to The Boeing Co. Resilient wheel. 3,253,632, 5–31–66, Cl. 152—15.

Dalson, Milton H., and W. H. Decker, to Sinclair Research, Inc. Reforming with optimization of hydrogen production. 3,258,420, 6–28–66, Cl. 208—138.

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Dalton, A. Stanley, and A. Olevitch, to United States of America, Air Force. Liquid encapsulated fastener device. 3,293,977, 12–27–66, Cl. 85—37.

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Dalton, Harold R., to Timefax Corp. Electro-responsive blanks. 3,263,604, 8–2–66, Cl. 101—149.2.

Dalton, Harold R. Adhesive coated sheets and method of manufacture. 3,265,555, 8–9–66, Cl. 161—161.

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Dalton, Oran G., J. L. McDaniel, and R. K. May, to General Dynamics Corp. (Convair Division). Apparatus for the forming of articles. 2,242,712, 3–29–66, Cl. 72—259.

Dalton, Robert H., and P. Grego, to Corning Glass Works. Protection and lubrication of metals at high temperatures. 3,254,401, 6–7–66, Cl. 29—423.

Dalton Sheet Metal Co., Inc.: *See*—
Hall, Herman M. 3,289,439.

Dalton, Thomas W., Jr., to Sharpe Mfg. Co. Vented spray gun cup. 3,240,398, 3–15–66, Cl. 222—193.

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Daly, Daniel F., to The Arrow-Hart & Hegeman Electric Co. Enclosed switch with cover and connector interlock. 3,277,251, 10–4–66, Cl. 200—50.

Daly, Daniel F., to The Arrow-Hart & Hegeman Electric Co. Enclosed switch with cover switch and connector interlocking means. 3,284,591, 11–8–66, Cl. 200—50.

Daly, Daniel F., and J. M. O'Malley, to The Arrow-Hart & Hegeman Electric Co. Cover and switch interlock. 3,274,353, 9–20–66, Cl. 200—50.

Daly, David A., to Beloit Eastern Corp. Drum winder for paper and the like. 3,282,526, 11–1–66, Cl. 242—66.

Daly, Edwin A., to Walcon Corp. Composite panel with insulating insert. 3,267,626, 8–23–66, Cl. 52—145.

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Daly, Norman R., to The United Kingdom Atomic Energy Authority. Mass spectrometer detector for collecting ions of similar but different masses. 3,231,736, 1–25–66, Cl. 250—41.9.

Daly, Paul J., and J. F. Clark, to United States of America, Air Force. Electronic signal analyzer for a series of successive pulses. 3,271,678, 9–6–66, Cl. 324—121.

Daly, Thomas A., and S. Kowalyshyn, Jr., to United States of America, Navy. Electrical control systems. 3,228,370, 1–11–66, Cl. 114—20.

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Daman, Ernest L., and G. C. Whitney, Jr., to Foster Wheeler Corp. System for drying and buring wet coal. 3,260,227, 7–12–66, Cl. 110—7.

Daman, Louis F.: *See*—
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Damasco, Louis J., Sr. Apparatus for increasing the tractive effect of a tire. 3,237,666, 3–1–66, Cl. 152—157.

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Damaskus, Charles W., and Alder. 3,269,905.
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Damaskus, Charles W., and J. E. Alder, to C. W. Damaskus. Dry stratiform products and methods of producing same. 3,269,905, 8–30–66, Cl. 167—58.

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Pashaian, Sark, and Damerau. 3,241,675.

Damiani, John H. Camper bed. 3,290,085, 12–6–66, Cl. 296—23.

Damiano, Robert, and J. Kliphuis, to United States of America, Army. Integrally constructed parametric amplifier-circulator unit. 3,284,717, 11–8–66, Cl. 330—4.5.

D'Amico, Anthony F. Replaceable contact for multiple connector. 3,245,030, 4–5–66, Cl. 339—217.

D'Amico, Anthony F., to The Singer Co. Zigzag mechanisms for sewing machines. 3,253,559, 5–31–66, Cl. 112—158.

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D'Amico, John J., to Monsanto Co. Herbicidal use of unsaturated esters of dithiocarbazic acids. 3,244,501, 4–5–66, Cl. 71—2.3.

D'Amico, John J., to Monsanto Co. Certain diesters of 2-mercaptobenzazoles. 3,256,294, 6–14–66, Cl. 260—307.

D'Amico, John J., to Monsanto Co. Controlling vegetation with (azabicyclononylthio) azoles. 3,257,193, 6–21–66, Cl. 71—2.5.

D'Amico, John J., to Monsanto Co. Alkenyl and cycloalkenyl esters of dithiocarbazic acids. 3,261,858, 7–19–66, Cl. 260—455.

D'Amico, John J., to Monsanto Co. 3,3'-dithiobis(3-azabicyclo[3.2.2]nonane). 3,262,927, 7–26–66, Cl. 260—239.

D'Amico, John J., to Monsanto Co. 4-nitroso 1-piperazinethiocarboxylates. 3,272,820, 9–13–66, Cl. 260—268.

D'Amico, John J., to Monsanto Co. Inhibiting growth of fungi and bacteria. 3,284,287, 11–8–66, Cl. 167—22.

D'Amico, John J., and C. C. Tung, to Monsanto Co. 1,2,3,4-tetrahydro-1-(2-iminothio-6-benzothiazolyl)-2-thioxo-4,4,6-trimethylpyrimidines. 3,257,419, 6–21–66, Cl. 260—247.1.

D'Amico, John J., and P. C. Hamm, to Monsanto Co. Chlorobenzyl carbazates. 3,284,482, 11–8–66, Cl. 260—455.

D'Amico, John J., and P. C. Hamm, to Monsanto Co. Destroying undesired vegetation with alkyl and benzyl carbazates. 3,287,099, 11–22–66, Cl. 71—2.3.

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Damiron, Pierre M., to Wean-Damiron S.A. Collapsible mandrel. 3,273,817, 9–20–66, Cl. 242—72.

Damisch, George A., Jr., and R. A. Johnson, to The Borden Co. Process for modifying non-fat dry milk solids. 3,238,045. 3–1–66, Cl. 99—56.

Damm, Carl A., and R. L. McGiboney, to United States of America, Navy. Pneumatic energy cartridge. 3,228,385, 1–11–66, Cl. 124—11.

Damm, Daniel A., to Owens-Illinois Inc. Implosion resistant cathode ray tube with integral mounting elements to facilitate installation. 3,271,516, 9–6–66, Cl. 178—7.8.

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Damm, Klaus, H. Hornig, G. Sinn, and H.-H. Steinbach, to Farbenfabriken Bayer Aktiengesellschaft. Organopolysiloxanes heat-sensitising agents. 3,255,141, 6–7–66, Cl. 260—29.6.

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Dammann, James E., and E. J. Skiko, to International Business Machines Corp. Automatic editor. 3,248,705, 4–26–66, Cl. 340—172.5.

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Damon, Melvin H., Jr., and L. Rosenberg, to United States of America, Navy. Peak detector for donblet storage pulser. 3,278,851, 10–11–66, Cl. 328—34.

Damon, Ralph S., to Hunter Mfg. Co. Heating apparatus. 3,267,929, 8–23–66, Cl. 126—110.

Damon, Ralph S., to Hunter Mfg. Co. Liquid fuel burner control system. 3,294,147, 12–27–66, Cl. 158—28.

Damon, Roger H., Jr., and J. B. Rolfe, to Fairbanks Morse Inc. Dual capacity scale with disengageable counterweight on load transmission rod. 3,260,321, 7–12–66, Cl. 177—176.

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Damrel, John B., Jr., and J. L. Fruit, to Texas Instruments Inc. Precision pressure gauge. 3,286,529, 11–22–66, Cl. 73—418.

Damron, Sidney S.: *See*—
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Damusis, Adolfas, to Wyandotte Chemicals Corp. Cross-linking blocked two-step prepolymer polyurethane coating compositions. 3,248,371, 4–26–66, Cl. 260—77.5.

Damusis, Adolfas, to Wyandotte Chemicals Corp. Production of high molecular weight oxide polymers using organometallic catalyst and halogen cocatalyst. 3,251,784, 5–17–66, Cl. 260—2.

Damusis, Adolfas, to Wyandotte Chemicals Corp. Polyether urethane coating composition cured with di-imine. 3,267,078, 8–16–66, Cl. 260—77.5.

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Allen, Thomas C., and Watson. 3,271,305.
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Dana Corp.: *See*—
Becker, Harold L. 3,254,404.
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Games, Robert F. 3,261,612.
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Danby, Gordon T., and J. W. Jackson, to United States of America, Atomic Energy Commission. Quadrupole magnet with reduced lateral dimension. 3,284,744, 11–8–66, Cl. 335—210.

Dance, Eldred L., to The Dow Chemical Co. Concentration of polymers from solutions by flash vaporization. 3,234,994, 2–15–66, Cl. 159—47.

Dance, Eldred L., to The Dow Chemical Co. Monomer recovery process. 3,280,091, 10–18–66, Cl. 260—93.7.

Dance, Wendell R., and C. L. Knighton, to Ford Motor Co. Ball and socket joint. 3,239,259, 3–8–66, Cl. 287—87.

Dancer, Stuart N., and F. C. Newman, to The Distillers Co. Ltd. Process for the production of butadiene. 3,278,625, 10–11–66, Cl. 260—680.

Danchuk, Alex, and W. L. Peterson, to The Bendix Corp. Heat sinks. 3,248,471, 4–26–66, Cl. 174—15.

Danckaert, Valere F.: *See*—
De Ramaix, Maurice A., and Danckaert. 3,234,023.
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Dandl, Raphael A., and R. J. Kerr, to United States of America, Atomic Energy Commission. Device having high-gradient magnetic cusp geometry. 3,230,418, 1–18–66, Cl. 315—111.

Dando, Victor W., and J. C. Bickford. Tool holder. 3,285,427, 11–15–66, Cl. 211—60.

D'Andrea, Angelo R. Cans and method for canning. 3,281,008, 10–25–66, Cl. 220—63.

D'Andrea, Angelo R., J. J. Walsh, and J. K. Browning, deceased (by S. J. Browning, administratrix). Apparatus for manufacturing frangible closures for containers. 3,257,258, 6–21–66, Cl. 156—521.

Dandro, David W., to Allis-Chalmers Mfg. Co. Inching and braking control for motor vehicles. 3,288,256, 11–29–66, Cl. 192—13.

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Hepler, Cloyse R. 3,240,098.

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Dane, Ernest B., Jr. Sandwiched structural surfaces. 3,268,924, 8–30–66, Cl. 9—6.

Danek, August J., to Controls Co. of America. Timer. 3,264,879, 8–9–66, Cl. 74—3.5.

Danforth, Clifton A.: *See*—
Corson, Bolton L., and Danforth. 3,250,520.

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Danforth, John P., and W. Kerwick, to General Motors Corp. Variable specific gravity radioactive source holder. 3,231,739, 1–25–66, Cl. 250—106.

Danforth, John P., and F. L. Green, to General Motors Corp. Method for wear testing. 3,242,338, 3–22–66, Cl. 250—106.

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Halberg, Robert W., Detweiler, and Danforth. 3,259,076.
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Nielsen, Helmar T., and Hansen. 3,276,741.
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Danganthier, Marcel, to Societe d'Etudes et d'Applications Industrielles Commerciales et Immobilieres "Inter-Technique." Motor-change gear units. 3,228,255, 1–11–66, Cl. 74—333.

Danganthier, Marcel, to Societe d'Etudes et d'Applications Industrielles Commerciales et Immobilieres "Inter-Technique." Motion converting mechanism for a motor, pump or compressor of the barrel type. 3,257,855, 6–28–66, Cl. 74—60.

Danganthier, Marcel, to Societe d'Etudes et d'Applications Industrielles Commerciales et Immobilieres "Inter-Technique." Air supply nozzle of utility in particular for the aeration or heating of vehicles. 3,264,971, 8–9–66, Cl. 98—22.

Danganthier, Marcel, to Societe d'Etudes et d'Applications Industrielles Commercials et Immobilieres "Inter-Technique." Wabbler mechanism. 3,276,276, 10–4–66, Cl. 74—60.

Danganthier, Marcel, to La Publicite Francaise. Suspension for the rear wheels of vehicles. 3,292,944, 12–20–66, Cl. 280—124.

Danganthier, Marcel, to La Publicite Francaise. Vehicle suspensions. 3,292,945, 12–20–66, Cl. 280—124.

D'Angelo, Donald. Collapsible sawhorse. 3,276,545, 10–4–66, Cl. 182—153.

D'Angelo, Joseph, to Roto Bag Machine Corp. Supply roll run-out warning apparatus. 3,286,249, 11–15–66, Cl. 340—259.

D'Angelo, Joseph, to Roto American Corp. Reel mounted portable supply warning apparatus having rotation controlled flashing signal. 3,292,170, 12–13–66, Cl. 340—259.

Dangler, Robert L., and R. R. Maruca, to Curtiss-Wright Corp. Motor vehicle speed regulating mechanisms. 3,249,176, 5–3–66, Cl. 180—82.1.

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Daniel Industries, Inc.: *See*—
Taylor, Joseph W. 3,290,001.

Daniel, James A., Jr. Straight line carrier device. 3,291,431, 12–13–66, Cl. 248—277.

Daniel, Kenneth R., to American Cast Iron Pipe Co. Boltless flexible pipe joint. 3,276,796, 10–4–66, Cl. 285—261.

Daniel, Otton. Non-clogging water intake for water vessels. 3,274,970, 9–27–66, Cl. 115—5.

Daniel, Richard L., to Daisy Mfg Co. Air rifle. 3,245,392, 4–12–66, Cl. 124—15.

Daniel, Thomas J., and W. C. Hodson, to Rubber and Mastics Research Association. Singularly mounted cutters operative to form blanks. 3,263,539, 8–2–66, Cl. 83—140.

Daniel, William E.: *See*—
Shouse, Robert P., Petter, and Daniel. 3,243,418.

Daniel, William H. Pump. 3,261,297, 7–19–66, Cl. 103—103.

Danielak, Joseph H., 49% to W. T. Danielak. Combination cigarette holder and snuffer. 3,285,254, 11–15–66, Cl. 131—235.

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Danielak, Joseph H. 3,285,254.

Daniell, Luigi. Apparatus for machining variable pitch hellcoid grooves in rolling mill rolls. 3,283,661, 11–8–66, Cl. 90—11.5.

Daniell, Alton E., and J. Walker, to Ashland Oil & Refining Co. Apparatus and process for manufacturing thermal black. 3,279,887, 10–18–66, Cl. 23—209.4.

Daniell, Alton E., and W. R. Peterson, to Ashland Oil & Refining Co. Oxidation of carbon black. 3,279,935, 10–18–66, Cl. 106—307.

Daniels, Ben G., and H. E. Raatz, Jr., to Continental Can Co., Inc. Apparatus for feeding closure caps. 3,269,514, 8–30–66, Cl. 198—33.

Daniels, Charles J., H. S. Green, and M. C. Wardle. Friction and hydraulic brake for arresting gear means. 3,259,213, 7–5–66, Cl. 188—86.

Daniels, Charles S.: *See*—
Haydon, Arthur W., and Daniels. 3,253,169.
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Daniels, Dennis, to Houdaille Industries, Inc. Method for punching. 3,228,105, 1–11–66, Cl. 29—525.

Daniels, Dennis, to Houdaille Industries, Inc. Means for punching. 3,228,227, 1–11–66, Cl. 72—324.

Daniels, Dennis, to Houdaille Industries, Inc. Tool positioning device. 3,252,222, 5–24–66, Cl. 33—185.

Daniels, Dennis, to Houdaille Industries, Inc. Fluid-actuated positioning means. 3,256,781, 6–21–66, Cl. 92—61.

Daniels, Dennis, to Houdaille Industries, Inc. Workpiece positioning structure. 3,277,577, 10–11–66, Cl. 33—174.

Daniels, Dennis. Rotary actuator. 3,289,544, 12–6–66, Cl. 91—167.

Daniels, Edward G., and A. J. Parcellas, to The Upjohn Co. Process for purification of bovine growth hormone. 3,265,579, 8–9–66, Cl. 167—74.

Daniels, Edward G., and J. W. Hinman, to The Upjohn Co. Extracts of mammalian kidney. 3,282,788, 11–1–66, Cl. 167—74.6.

Daniels, Gordon E. Tractor-trailer coupling assembly. 3,251,609, 5–17–66, Cl. 280—434.

Daniels, Herbert E., to Jampol Corp. Apparatus for handling stereotype print plates. 3,249,202, 5–3–66, Cl. 198—33.

Daniels, Herman J. Screening apparatus. 3,261,470, 7–19–66, Cl. 210—106.

Daniels, James H., to Leeds and Northrup Co. Boiler-turbine control system. 3,247,671, 4–26–66, Cl. 60—67.

Daniels, John F., Jr.: *See*—
Locke, David R., and Daniels. 3,283,105.

Daniels, Neville H. G.: *See*—
Beaubien, Stewart J., and Daniels. 3,250,103.

Daniels, Paul J.: *See*—
Goodrich, Eugene E., Daniels, Burch, and Wilkinson. 3,270,918.

Daniels, Wiley E., to General Aniline & Film Corp. Process of polymerizing acetylene and derivatives thereof. 3,271,378, 9–6–66, Cl. 260—91.3.

Daniels, Wiley E., to General Aniline & Film Corp. Process for the preparation of a stable complex of bromine and lactams. 3,294,795, 12–27–66, Cl. 260—247.7.

Danielsen, Daniel, to Bell Telephone Laboratories, Inc. Plural electrical paths monitered by comparison of transients. 3,266,017, 8–9–66, Cl. 340—149.

Danielson, Arthur C., to United States Rubber Co. Adhering textile materials to rubber. 3,256,137, 6–14–66, Cl. 161—241.

Danielson, Arthur C., to United States Rubber Co. Adhering textile materials to rubber. 3,281,310, 10–25–66, Cl. 161—227.

Danielson, Ellsworth H., and S. M. Waas, to Selectiven Corp. Ejector vending mechanism. 3,254,792, 6–7–66, C 221—14.

Danielson, Irvin S.: *See*—
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Danielson, Richard E. Hammer holder. 3,294,298, 12–27–6 Cl. 224—5.

Danielson, Vernon S., and R. W. Gierlach, to Standard C Truck Co. Draft gear rigging for railroad cars. 3,239 073, 3–8–66, Cl. 213—21.

Danielzig, Karl H. Method and apparatus for the productio of cubical packaging units. 3,242,630, 3–29–66, Cl. 53—2

Daniluk, Syl, to McInnis Conveyors Ltd. Stock locating an severing device. 3,244,047, 4–5–66, Cl. 83—269.

Daniluk, Syl, and J. M. Dugal, to McInnis Conveyors Lt Truck loading and unloading device. 3,250,408, 5–10–6 Cl. 214—38.

Danis, Louis J., to Eaton Yale & Towne Inc. Engine valve. 3,286,704, 11–22–66, Cl. 123—188.

Dankert, Gerhard: *See*—
Schmelzer, Hans-Georg, Danker, Degener, and Holtschmidt. 3,277,091.

Dankert, Gerhard, and H. Holtschmidt, to Farbenfabriken Bayer Aktiengesellschaft. Preparation of polyether-polyurethane plastics. 3,252,943, 5–24–66, Cl. 260—77.5.

Dankner, Erwin R., to Henry Dankner Jewelry Mfg. Co., Inc. Rocking charm. 3,247,683, 4–26–66, Cl. 63—23.

Dankner, Henry, Jewelry Mfg. Co., Inc.: *See*—
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Danko, Donald M.: *See*—
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Smith, Theodore H., Kramer, and Danko. 3,253,224.

Danko, George K., to General Electric Co. Electric lamp with single ended pinch seal. 3,270,237, 8–30–66, Cl. 313—220.

Danko, Joseph C., and P. M. Bergstrom, to Westinghouse Electric Corp. Swaging process for forming a flattened composite thermoelectric member. 3,281,921, 11–1–66, Cl. 29—155.5.

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Danly, James C., to Danly Machine Specialties, Inc. Ball bearing die set. 3,253,868, 5–31–66, Cl. 308—6.

Danly Machine Specialties, Inc.: *See*—
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Heiberger, Francis E. 3,227,255.
Heiberger, Francis E. 3,227,897.
Heiberger, Francis E. 3,227,898.
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Caldwell, John R., and Dannelly. 3,265,529.
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Dannelly, Clarence C., and J. R. Caldwell, to Eastman Kodak Co. Process for solution polymerization of acrylonitrile using a sulfur containing oxidizing agent and a salt of either lanthanum or gadolinium. 3,282,880, 11–1–66, Cl. 260—30.4.

Dannels, Avon, to Stewart-Warner Corp. Means for and method of lubricating flexible cable assemblies. 3,268,032, 8–23–66, Cl. 184—1.

Dannels, Bobby F.: *See*—
Kujawa, Francis M., Shepard, and Dannels. 3,271,481.
Shepard, Alvin F., and Dannels. 3,281,506.

Danneman, Frederick C., to Acme-Danneman Co., Inc. Dieset bearing. 3,281,189, 10–25–66, Cl. 308—6.

Dannenmann, Paul, to G. Bauknecht, G.m.b.H. Electromotor. 3,231,768, 1–25–66, Cl. 310—86.

Danner, Eugene G. Drive shaft arrangement for a fluid circulating device. 3,274,799, 9–27–66, Cl. 64—4.

Danner, Myrtle S. Hairdresser's chair tray attachment. 3,245,716, 4–12–66, Cl. 297—163.

Dannettell, Alan C., to Yale and Towne Inc. Transistorized speed control for industrial truck. 3,243,681, 3–29–66, Cl. 318—332.

Dannettell, Alan C., to Eaton Yale & Towne Inc. System of controlling speed of electric drive motor of industrial truck. 3,264,540, 8–2–66, Cl. 318—139.

Dannettell, Alan C., to Eaton Yale & Towne Inc. Electric drive system for industrial truck. 3,289,062, 11–29–66, Cl. 318—139.

Dannevik, William P. Visual irrigation pipe flow indicator. 3,251,335, 5–17–66, Cl. 116—117.

Dansard, Felix J.-M. Extensible electric cable. 3,246,075, 4–12–66, Cl. 174—69.

Dansereau, Raymond R., to Beatrix Jewelry Co. Combination tie clasp and key holder. 3,267,534, 8–23–66, Cl. 24—3.

Danske Securitas A/S: *See*—
Meyer, Svend S. 3,295,121.

Dantoin, Kenneth R. Paperboard can carrier. 3,245,711, 4–12–66, Cl. 294—87.2.

Dantz, Paul A., to United States of America, Navy. Pad-lock anchor system. 3,262,412, 7–26–66, Cl. 114—206.

Danvic, Joseph A.: *See*—
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Danyi, Michael D., and K. F. Sporek, to Owens-Illinois Glass Co. Shipping containers with associated indicator means. 3,263,892, 8–2–66, Cl. 229—6.

Danylenko, Ivan J.: *See*—
Schwing, Joseph A., and Danylenko. 3,290,909.

Danz, Bertram C.: *See*—
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Danz, Willi, O. Frey, E. Kittel, F. Markert, and W. Teltschik, to Badische Anilin & Soda-Fabrik Aktiengesellschaft. Production of acetylene. 3,242,225, 3–22–66, Cl. 260—679.

Danz, Willi, E. Schmidt, K. Schuhmann, and K. Wimmer, to Badische Anilin- & Soda Fabrik Aktiengesellschaft. Autothermal cracking of liquid hydrocarbons. 3,261,878, 7–19–66, Cl. 260—683.

Danzer, Paul M., to United States of America, Navy. Crystal controlled synchronized oscillator. 3,278,862, 10–11–66, Cl. 331—116.

Danzig, Allison C.: *See*—
Swiggett, Robert L., Danzig, Wagner, and Brown. 3,254,559.

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Darby, Frederick W.: *See*—
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Darby, Joseph R.: *See*—
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Darby, Joseph R. Target gun. 3,240,924, 3–15–66, Cl. 240—10.62.

Darby, Kenneth, and H. Burton, to Lodge-Cotrell Ltd. Method and apparatus for reducing the haze number of a mineral oil. 3,269,931, 8–30–66, Cl. 204—188.

Darby, Raymond R. Mechanical shoe cleaner door mat. 3,233,266, 2–8–66, Cl. 15—37.

Darby, Ronald A., to United States of America, Navy. Flow noise detector. 3,229,509, 1–18–66, Cl. 73—71.4.

Darby, Vene L., and E. E. Hatter, to North American Aviation, Inc. Welded structure and method of making same. 3,282,615, 11–1–66, Cl. 287—189.36.

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Darcy, Jules, R. A. Stewart, and L. A. McLeod, to Polymer Corp. Ltd. Polymerization of olefinic hydrocarbons. 3,231,547, 1–25–66, Cl. 260—85.3.

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Dardaine, Edgar J. M., to E. P. Remy & Cie. Gripping heads for bottles or the like. 3,267,643, 8–23–66, Cl. 53—246.

Dardenne, Jean: *See*—
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Dareing, Donald W., to Esso Production Research Co. Drill bit bearing lubricator. 3,251,634, 5–17–66, Cl. 308—8.2.

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Dargas, Adam P., to R. P. Scherer Corp. Automatic accumulator actuated pump control means. 3,269,319, 8–30–66, Cl. 103—25.

Dargene, Carl J., to Amerock Corp. Door latching and locking device. 3,260,813, 7–12–66, Cl. 200—61.64.

Darke, James A., to Associated Electrical Industries Ltd. Transistor trigger-pulse circuit. 3,233,120, 2–1–66, Cl. 307—88.5.

Darley, Henry C. H., to Shell Oil Co. Air drilling shale control. 3,259,189, 7–5–66, Cl. 166—29.

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Darling, Dallas L. Convertible tandem suspension system for a semitrailer. 3,246,913, 4–19–66, Cl. 280—418.

Darling, L. A., Co., The: *See*—
Stackhouse, David W. 3,274,735.

Darling, Macy M.: *See*—
Lewis, Stanley T., and Darling. 3,292,328.

Darling, Raymond A. Finned tube protector. 3,273,638, 9–20–66, Cl. 165—134.

Darlington, Sidney, to Bell Telephone Laboratories, Inc. Prescriptive transformerless networks. 3,289,116, 11–29–66, Cl. 333—70.

Darlington, Sidney, and I. W. Sandberg, to Bell Telephone Laboratories, Inc. Synthesis of two-port networks having periodically time-varying elements. 3,265,973, 8–9–66, Cl. 328—14.

Darlite Corp.: *See*—
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Darmstadt, Otto J., to Armstadt Mfg. Ltd. Sash and frame for windows and doors. 3,269,074, 8–30–66, Cl. 52—498.

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Daroci, Nicholas A., to Warner & Swasey Co. Threading attachment. 3,290,972, 12–13–66, Cl. 82—5.51.

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Darr, William C.: *See*—
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Darrough, James E.: *See*—
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Darrow, David S., to Swift & Co. Solvent extraction of epoxidized oils. 3,254,097, 5–31–66, Cl. 260—348.

Darrow, Frank M., and K. G. Eakin, deceased (by M. Eakin, executrix). Apparatus for determining the field pattern of a high frequency radiation field. 3,246,244, 4–12–66, Cl. 325—67.

Dart Mfg. Co.: *See*—
Dart, William A. 3,261,055.

Dart, Peter W.: *See*—
Fogelberg, Clement V., and Dart. 3,271,489.

Dart, William A., to Dart Mfg. Co. Apparatus for forming plastic articles. 3,261,055, 7–19–66, Cl. 18—5.

Darthenay, Georges R., to R. A. A. Darthenay. Apparatus for reproducing continuously moving documents. 3,289,529, 12–6–66, Cl. 88—24.

Darthenay, Robert A. A.: *See*—
Darthenay, Georges R. 3,289,529.

Daruwalla, Dolly F.: *See*—
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Daruwalla, Faredoon S., deceased: by D. F. Daruwalla, and B. M. Parlour, administrators, to Dunlop Rubber Co. Ltd. Method of making synthetic fibre felt. 3,235,935, 2–22–66, Cl. 28—72.2.

Darwin, Daniel P., and W. L. Wilcox, to International Business Machines Corp. Record card stacking apparatus. 3,291,485, 12–13–66, Cl. 271—71.

Das, Dilip K.: *See*—
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Dasa Corp.: *See*—
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Kilburg, James. 3,229,043.
Lockwood, George S., Jr., and Boreen. 3,244,817.
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D'Ascoli, Ralph G., to Anaconda Wire and Cable Co. Method of bonding a sleeve to a cable. 3,282,758, 11–1–66, Cl. 156—86.

Dascotte, Jean, to International Standard-Electric Corp. Error detecting system. 3,248,695, 4–26–66, Cl. 340—146.1.

Dascotte, Jean, to International Standard Electric Corp. Data transmission system employing a different sequence of distinct conditions to represent the two conditions of a binary bit. 3,292,147, 12–13–66, Cl. 340—146.1.

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Annable, Paul G., and Dasher. 3,257,015.

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Dashew, Stanley A., and A. G. Dobrowsky, to Dashew Business Machines, Inc. Data recording and punching machine. 3,234,358, 2–8–66, Cl. 235—61.1.

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Da Silva, Herman, and H. C. A. van Duuren, to De Staat Nederlanden, ten Deze Vertegenwoordigd Door de Directeur-Generaal der Posterijen, Telegrafie en Telefonie. Carrier transmission telegraph system. 3,273,063, 9–13–66, Cl. 325—41.

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Date, Kazuo H., to McGraw-Edison Co. Repeating circuit interrupter having indexing means on the integrating piston. 3,246,099, 4–12–66, Cl. 200—89.

Date, Kazuo H., to McGraw-Edison Co. Repeating circuit interrupter. 3,251,963, 5–17–66, Cl. 200—92.

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Daubersy, Jean, to Métallurgique d'Espérance-Longdoz, S.A. Method of treating sheet steel. 3,240,636, 3–15–66, Cl. 148—16.5.

Daubersy, Jean. Process and apparatus for annealing metal plates. 3,268,371, 8–23–66, Cl. 148—16.

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Daughenbaugh, Raymond S., to United States of America Navy. Flotation and launching harness for water launched missiles. 3,249,014, 5–3–66, Cl. 89—1.7.

Daugherty, Charles E., and D. K. Fleming, to The Eimco Corp. Articulated aligning means for filter media web. 3,288,298, 11–29–66, Cl. 210—401.

Daugherty, Jesse, to Giddings & Lewis Machine Tool Co. Machine tool power drawbolt. 3,254,567, 6–7–66, Cl. 90—11.

Daugherty, Phillip M.: *See*—
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Daugherty, Ralph K., ½ to G. I. Magnuson and ½ to G. I. and R. Magnuson and L. J. Fox, as trustees of estate of R. M. Magnuson. Rotary solenoid with improved air gaps and stop members. 3,229,171, 1–11–66, Cl. 317—197.

Daugherty, Ralph K., ½ to G. I. Magnuson, and ½ to G. I. Magnuson, R. Magnuson, and L. J. Fox, as trustees of the estate of R. M. Magnuson. Shuffle feed sorting structure. 3,269,535, 8–30–66, Cl. 209—98.

Daugherty, Ralph K., and T. J. Smith, ½ to G. I. Magnuson and ½ to G. I. and R. Magnuson and L. J. Fox, as trustees of estate of R. M. Magnuson. Rotary solenoid. 3,229,170, 1–11–66, Cl. 317—197.

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Davidoff, Charles. Gold recovery process using an alkali metal hydrosulfite with a water soluble alkali metal alkanoate. 3,271,136, 9–6–66, Cl. 75—118.

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Davidse, Jan., and B. H. J. Cornelissen, to North American Philips Co., Inc. Circuit arrangement for use in color-television receivers. 3,249,688, 5–3–66, Cl. 178—5.4.

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Davidson, Thomas J., to Honeywell Inc. Control system for water heaters. 3,272,432, 9–13–66, Cl. 236—21.

Davidson, Thomas L., to Diamond International Corp. Hollow walled display tray. 3,227,355, 1–4–66, Cl. 229—34.

Davidson, Trevor O., to Bucyrus-Erie Co. Self-erecting tower crane with bayonet joints between sections. 3,250,401, 5–10–66, Cl. 212—64.

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Davies, Ben, and E. D. Miller, Jr., to Harbison-Walker Refractories Co. Refractory. 3,230,100, 1–18–66, Cl. 106—44.

Davies, Ben, and G. R. Henry, to Harbison-Walker Refractories Co. Prevention of hydration in magnesia refractories. 3,232,775, 2–1–66, Cl. 106—58.

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Davies, Ben, E. P. Weaver, and P. H. Havranek, to Harbison-Walker Refractories Co. Basic fused refractory. 3,262,795, 7–26–66, Cl. 106—58.

Davies, Ben, and P. H. Havranek, to Harbison-Walker Refractories Co. Refractory. 3,275,461, 9–27–66, Cl. 106—58.

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Davies, Gilbert E., to Superior Ball Joint Corp. Method of fabricating a ball joint assembly. 3,253,330, 5–31–66, Cl. 29—441.

Davies, Gilbert E., to Superior Ball Joint Corp. Ball joint assembly and method of making the same. 3,253,845, 5–31–66, Cl. 287—90.

Davies, Henry K., and D. M. Storms. Barrier-mixer for tubular containers. 3,290,017, 12–6–66, Cl. 259—114.

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Davis, Ramona E. Fuel consumption recorder. 3,264,651, 8–2–66, Cl. 346—94.

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Davis, Elwood T., and R. L., II. 3,295,033.

Davis, Raymond L., II, to Leeds and Northrup Co. Metal treating system. 3,252,694, 5–24–66, Cl. 266—5.

Davis, Reel C., to Key-Data Systems. Card selection mechanism and process. 3,251,362, 5–17–66, Cl. 129—16.1.

Davis, Richard, to Monsanto Co. Heat treating process. 3,271,207, 9–6–66, Cl. 148—143.

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Hinrichs, Karl, Davis, Bertuccelli, and Kolden. 3,268,-824.

Day, Richard D.: *See*—
Neitzel, Joseph C., and Day. 3,264,689.

Davis, Richard K.: *See*—
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Davis, Richard L., to United States of America, Atomic Energy Commission. Non-inductive electrical resistor. 3,267,406, 8–16–66, Cl. 338—63.

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Davis, Richard S., J. L. Engelke, and J. B. Mattuck, to Arthur D. Little, Inc. Refractory coated casting mold. 3,286,312, 11–22–66, Cl. 22—129.

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Davis, Robert H., to Socony Mobil Oil Co., Inc. Cutting fluid. 3,256,187, 6–14–66, Cl. 252—34.

Davis, Robert H., to Mobil Oil Corp. Extreme pressure lubricants containing sulfur. 3,278,432, 10–11–66, Cl. 252—40.7.

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Shaw, John T., Voorhies, and Davis. 3,260,621.

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Davis, Wilbur A. End wrench with rotatable jaw insert. 3,285,105, 11–15–66, Cl. 81—178.

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Davis, Wilbur M., to International Business Machines Corp. Programming terminal. 3,286,915, 11–22–66, Cl. 234—17.

Davis, William D., and T. A. Vandersilce, to General Electric Co. Bakeable mass spectrometer with means to precisely align the ion source, analyzer and detector subassemblies. 3,230,362, 1–18–66, Cl. 250—41.9.

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Davis, William E. and C. M. Tobacco stitcher and looper mechanism. 3,263,826, 8–2–66, Cl. 214—5.5.

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Davis, William J., to The Polymer Corp. Dielectric for circuit board and strip lines. 3,274,328, 9–20–66, Cl. 174—68.5.

Davis, William J. Fluid transmission. 3,283,787, 11–8–66, Cl. 138—148.

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Hitchens, Aaron L., Fountain, Dawson, and Lowry. 3,289,589.
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Day, Paul T., Jr., to American Metalcore Systems, Inc. Heating, cooling and ventilating system. 3,267,831, 8–23–66, Cl. 98—33.
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Dean, Derek J., to Weston Instruments, Inc. Electrically operated visual display device. 3,256,774, 6–21–66, Cl. 88—24.
Dean, Derek J., to Sangamo Electric Co. Electrically operated visual indicator devices. 3,269,260, 8–30–66, Cl. 88—24.
Dean, Donald E.: *See*—
Gordon, Philip L., Diedrich, and Dean. 3,280,037.
Dean, Dorothy L.: *See*—
Dean, Lawrence M., and D. L. 3,250,530.
Dean, Douglas B.: *See*—
Jackson, Harold E., and Dean. 3,280,883.
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Ferrari, William A., Anderson, and Dean. 3,229,832.
Dean, Francis H. Container positioning mechanism. 3,232,461, 2–1–66, Cl. 214—302.
Dean, Frank J., Jr., to Tempmaster Corp. Air mixing and sound attenuating unit. 3,283,694, 11–8–66, Cl. 98—38.
Dean, Fred: *See*—
Cotterill, Colin B., and Dean. 3,231,620.
Dean, George A., to Dean Research Corp. System for handling stacked sheets. 3,289,860, 12–6–66, Cl. 214—8.5.
Dean, Gordon B. Beverage dispenser with carbonator. 3,266,672, 8–16–66, Cl. 222—129.1.
Dean, Harry N.: *See*—
Montgomery, Eldwin C., Dean, and Cowley. 3,257,187.
Dean, Harry N., J. C. Morgan, Jr., and L. H. Flaherty, to Libbey-Owens-Ford Glass Co. Apparatus for producing all-glass multiple sheet glazing units. 3,273,988, 9–20–66, Cl. 65—152.
Dean, Herman, R. Music holder. 3,227,414, 1–4–66, Cl. 248—443.
Dean, Herman R. Glockenspiel and support therefor. 3,272,056, 9–13–66, Cl. 84—403.
Dean, Jack E.: *See*—
Cook, Arthur J., Dean, and Monroe. 3,279,082.
Dean, James T., to Mobil Oil Corp. Method and apparatus for marking, relocating, and re-establishing contact with a submarine wellhead. 3,293,867, 12–27–66, Cl. 61—72.3.
Dean, John, ½ to S. A. Dean. Method of forming highly bonded shrink resistant plaster coating. 3,232,778, 2–1–66, Cl. 106—97.
Dean, John, to McGraw-Edison Co. Mold design for ceramic casting. 3,288,424, 11–29–66, Cl. 249—108.
Dean, John, and P. R. Dunn, to McGraw-Edison Co. Ceramic mold. 3,286,974, 11–22–66, Cl. 249—141.
Dean, John F., and R. W. Batten, to Hi-Shear Corp. Torque-limiting fastener. 3,285,119, 11–15–66, Cl. 85—61.
Dean, Lawrence M., and D. L. Year-around ski run. 3,250,530, 5–10–66, Cl. 272—3.
Dean, Lawrence R., and D. A. Gunn, to Sperry Rand Corp. Article storage equipment. 3,272,580, 9–13–66, Cl. 312—214.
Dean, Leslie G., G. W. Grant, and A. Ball, to The Loewy Engineering Co. Ltd. Apparatus for transferring metal billets. 3,283,919, 11–8–66, Cl. 214—1.
Dean, Lester M., and W. D'Esopo. Dispensing apparatus. 3,251,188, 5–17–66, Cl. 62—3.
Dean Products, Inc.: *See*—
Raskin, Walter. 3,251,410.
Dean Research Corp.: *See*—
Dean, George A. 3,289,860.
Dean, Richard H.: *See*—
Carlson, William L., Jr., Cox, and Dean. 3,263,411.
Dean, Robert B., and W. L. Marino, to The Borden Co. Internally plasticized casein. 3,284,219, 11–8–66, Cl. 106—147.
Dean, Robert R., and M. L. Marcoux, to Douglas Aircraft Co., Inc. Binding post. 3,260,988, 7–12–66, Cl. 339—254.
Dean, Sarah A.: *See*—
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Deane, William J.: *See*—
Cohan, Leo J. J., and Deane. 3,263,654.
Deane, William J., to Combustion Engineering, Inc. Self-agitating, stabilized flow mixing vessel. 3,291,456, 12–13–66, Cl. 259—4.
De Angelis, Armand, to American Optical Co. Ophthalmic mounting with flexibly supported nosepiece. 3,233,956, 2–8–66, Cl. 351—130.
De Angelus, Millet R.: *See*—
Dersch, Fritz, and De Angelus. 3,271,154.
Deanin, Rudolph D.: *See*—
White, Roy A., and Deanin. 3,253,932.
Deanin, Rudolph D., and A. V. Pinter, to Allied Chemical Corp. Continuous addition of phenolic chain terminator in bisphenol polycarbonate production by emulsion polymerization. 3,240,756, 3–15–66, Cl. 260—47.
Deanin, Rudolph D., and A. V. Pinter, to Allied Chemical Corp. Process for the production of polycarbonate resins. 3,251,807, 5–17–66, Cl. 260—61.
Deans, Howard, to Kleer-Vu Industries, Inc. Ultrasonic sealer for sealing plastics. 3,242,029, 3–22–66, Cl. 156—380.
Deans, William F. M., and E. L. E. Harrington, to United Kingdom Atomic Energy Authority. Apparatus for sensing the half life of radioactive materials. 3,230,370, 1–18–66, Cl. 250—83.3.
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Spain, Horace H., Kenneday, Harrison, and Dear. 3,233,673.
Dear, Hing D.: *See*—
Saroyan, John R., and Dear. 3,274,137.
Dear, Terrence A., and L. J. Hemmis, to Lord Corp. Sound isolating enclosure for internal combustion engine generator set. 3,276,539, 10–4–66, Cl. 181—33.

Dear, William N., to Laporte Titanium Ltd. Means for connecting metal and refractory tubular members. 3,284,163, 11–8–66, Cl. 23—252.

Dearborn, Elizabeth C.: *See*—
Isaacs, Philip K., and Dearborn. 3,247,140.
Isaacs, Philip K., and Dearborn. 3,250,738.
Isaacs, Philip K., Dearborn, and Nimoy. 3,236,794.

Dearborn, Elizabeth C., and P. K. Isaacs, to W. R. Grace & Co. Imidazoline-internal epoxy compound reaction products as stabilizers and plasticizers for polyvinyl chloride polymers and copolymers. 3,234,155, 2–8–66, Cl. 260—18.

Dearden, Brian B., to C. H. Johnson (Machinery) Ltd. Multipurpose mechanical handling vehicle. 3,266,599, 8–16–66, Cl. 187—9.

Deardorf, Hugo D. Conduit clamp. 3,232,569, 2–1–66, Cl. 248—74.

Deardorff, Eldon R., and D. W. Keef, to Guy F. Atkinson Co. Long rotor hydroturbine pump with single end port plug. 3,232,521, 2–1–66, Cl. 230—79.

Dearing, Bertram S., to Aladdin Industries Ltd. Liquid fuel burning heating appliances. 3,294,149, 12–27–66, Cl. 158—88.

Dearing, Dewey G. and S. C. Sanitary facility for animals. 3,246,630, 4–19–66, Cl. 119—1.

Dearing, James C. Tool for holding nut fasteners. 3,232,148, 2–1–66, Cl. 81—13.

Dearing, Rogers K.: *See*—
Marshall, Walter R., and Dearing. 3,280,886.

Dearing, Shirley C.: *See*—
Dearing, Dewey G. and S. C. 3,246,630.

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De Armond, Virginia R. Wiper arm attachment. 3,231,951, 2–1–66, Cl. 24—81.

Dearnley, Kenneth, to David Brown Tractors Ltd. Sequentially operated clutches with exterior adjustment. 3,279,572, 10–18–66, Cl. 192—48.

Dearnley, Kenneth, and T. Eastwood, to David Brown Tractors Ltd. Variable speed gearboxes. 3,286,541, 11–22–66, Cl. 74—339.

Dearsley, George, to American Machine & Foundry Co. Smoking article. 3,230,958, 1–25–66, Cl. 131—8.

Dearsley, George, to American Machine & Foundry Co. Cigarette making machine. 3,234,950, 2–15–66, Cl. 131—84.

Dearsley, George, to American Machine & Foundry Co. Method of feeding and cutting filters. 3,238,825, 3–8–66, Cl. 83—25.

Dearsley, George, to American Machine & Foundry Co. Method and apparatus for depositing cigarettes in trays. 3,241,286, 3–22–66, Cl. 53—35.

Dearsley, George, to American Machine & Foundry Co. Apparatus for making cigarettes. 3,257,883, 6–28–66, Cl. 83—102.

Dearsley, George, to American Machine & Foundry Co. Article assembling apparatus. 3,270,856, 9–6–66, Cl. 198—31.

Dearsley, George, to American Machine & Foundry Co. Cigarette machine feed. 3,276,452, 10–4–66, Cl. 131—21.

Deasy, Richard E., to Collins Radio Co. Rotary multiple cam circuit disconnect and reconnect switch. 3,238,315, 3–1–66, Cl. 200—4.

Death, Frank S., and D. A. Haid, to Union Carbide Corp. Method for adding nitrogen to molten metals. 3,257,197, 6–21–66, Cl. 75—12.

Death, Frank S., W. B. Farnsworth, Jr., and D. A. Haid, to Union Carbide Corp. Treating molten metals with multiple electric arc columns. 3,279,912, 10–18–66, Cl. 75—10.

Deaton, Charles U. Modular furniture and components thereof. 3,241,885, 3–22–66, Cl. 297—440.

Deaton, Charles U. Doors. 3,249,074, 5–3–66, Cl. 109—76.

Deaton, Homer W., to General Motors Corp. Method of insulating a hollow walled cabinet which includes using uniformly distributed and spread microwaves for heating. 3,288,894, 11–29–66, Cl. 264—25.

Deavenport, Joe E.: *See*—
Huelsman, Ken A., and Deavenport. 3,260,943.

Deavenport, Joe E. Multivibrator using semi-conductor pairs. 3,268,738, 8–23–66, Cl. 307—88.5.

Deaver, Harold T. Elongated expansible resilient fastener. 3,260,149, 7–12–66, Cl. 85—1.

Deavers, Kenneth L. Combined table and bench assembly. 3,273,936, 9–20–66, Cl. 297—159.

De Azevedo, Walter M. Anti-stealing safety device for purses. 3,273,619, 9–20–66, Cl. 150—47.

De Backer, Lucien P. A., to Radio Corp. of America. Method of making electron tubes. 3,227,506, 1–4–66, Cl. 316—25.

De Barr, John W., Sr. Automatic tracker. 3,264,968, 8–9–66, Cl. 95—86.

Debarre, Francois: *See*—
Cometti, Andre, and Debarre. 3,288,831.

Debarre, Francois, and A. Cometti, to Rhone-Poulenc S.A. N-phenoxyalkyl piperidine derivatives. 3,255,196, 6–7–66, Cl. 260—294.7.

De Baryshe, Boris D.: *See*—
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De Baun, Kenneth W., to Farr Co. Pleated air filter cartridge. 3,246,457, 4–19–66, Cl. 55—499.

Debbrecht, Frederick J., C. B. Euston, J. M. Kauss, and A. J. Martin, to Hewlett-Packard Co. Gas chromatography apparatus. 3,257,781, 6–28–66, Cl. 55—197.

De Beausacq, Alfred R. Apparatus for measuring the stresses applicable to skier's shoes. 3,228,239, 1–11–66, Cl. 73—133.

De Belder, Maurice H., to Gevaert Photo-Producten N.V. Apparatus for use in diffusion transfer-copying. 3,257,927, 6–28–66, Cl. 95—89.

De Bell & Richardson, Inc.: *See*—
Eakins, William J. 3,276,853.

De Bellis, Frank. Smoke washer. 3,260,036, 7–12–66, Cl. 55—223.

De Benedetti, Neri, to Bombrini Parodi-Delfino Societa per Azioni. Device for detecting the angular position of a luminous source. 3,293,980, 12–27–66, Cl. 88—14.

De Benneville, Peter L.: *See*—
Bauer, LaVerne N., and De Benneville. 3,293,182.

De Benneville, Peter L., and H. W. Blessing, to Rohm & Haas Co. Chlorinated cyanoester. 3,235,581, 2–15–66, Cl. 260—465.4.

De Benneville, Peter L., and W. D. Niederhauwer, to Rohm & Haas Co. Copolymers of specific heterocyclic compounds. 3,267,082, 8–16–66, Cl. 260—78.5.

Deber-Kontroll, AB: *See*—
Schreiber, Dag S. 3,269,180.

De Bernardis, Joseph N., to Sylvania Electric Products Inc. Assembly jig. 3,289,268, 12–6–66, Cl. 29—25.19.

Debes, Charles N. Multi-storied building structures. 3,226,889, 1–4–66, Cl. 52—30.

De Best Mfg. Co., Inc.: *See*—
Turner, Horace J. 3,238,538.

De Blase, Louis A. Baseboard radiation. 3,289,751, 12–6–66, Cl. 165—55.

De Biasi, Charles P. Hydraulic system, apparatus and arrangement for driving and steering vehicles. 3,233,691, 2–8–66, Cl. 180—6.48.

De Biasi, Charles P. Centripetal amphibious vehicle. 3,237,589, 3–1–66, Cl. 115—1.

De Biasi, Charles P. Hydraulically actuated system and apparatus for compacting material with automatic compaction indicating and controlling mechanism. 3,256,789, 6–21–66, Cl. 94—48.

De Biasi, Charles P. Hydraulic propulsion system. 3,256,950, 6–21–66, Cl. 180—44.

De Biasi, Charles P. Auto kinetic wheel or fluid motor. 3,280,934, 10–25–66, Cl. 180—66.

Debiton, Etienne C., to Centre Experimental de Recherches et d'Etudes du Batiment et des T.P. Expansible, removable ground anchoring device. 3,270,469, 9–6–66, Cl. 52—2.

De Blois Ralph W.: *See*—
Bean, Charles P., DeBlois, and Nesbitt. 3,234,458.

De Bloois, Roger C., and J. M. Duer, to Northrop Corp. Audio-visual display system. 3,245,156, 4–12–66, Cl. 35—8.

Debo, Arno: *See*—
Becke, Margot, and Debo. 3,260,684.

De Boer, Albert, to Knapp-Monarch Co. Water activated automatic inflation device. 3,246,801, 4–19–66, Cl. 222—5.

De Boer, Albert, to Knapp-Monarch Co. Inflator with vent means. 3,248,010, 4–26–66, Cl. 222—5.

De Boer, Clarence: *See*—
Bergy, Malcolm E., and De Boer. 3,234,092.
Bergy, Malcolm E., and De Boer. 3,245,797.

De Boer, Eeltje: *See*—
Balder, Johan C., and De Boer. 3,238,466.
Balder, Johan C., De Boer, and Te Winkel. 3,258,610.
Balder, Johan C., De Boer, Hart, and Kramer. 3,267,391.
Balder, Johannes C., De Boer, and Moonen. 3,263,094.

De Boer, Floris: *See*—
Panis, Constantius J. W., and De Boer. 3,278,682.

Deboeuf, Maurice: *See*—
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De Boice, William F., to North American Aviation, Inc. Capacitive pickoff unbalance detector and encoder circuit. 3,226,979, 1–4–66, Cl. 73—517.

De Bolt, Harold E. Shifting arc plasma system. 3,283,205, 11–1–66, Cl. 315—111.

De Bonduwe, Andre, to Societe Anonyme Etablissements de Bonduwe. Program card reader. 3,243,532, 3–29–66, Cl. 200—46.

De Boo, Jerome L., to Teletype Corp. Chadless perforator. 3,283,974, 11–8–66, Cl. 225—2.

De Boo, Jerome L., and G. B. Lutz, to Teletype Corp. Laminated distributor brush. 3,274,368, 9–20–66, Cl. 200—166.

De Bosredon, Pierre. Lateral offset mounting for power shovel dipper arm. 3,283,928, 11–8–66, Cl. 214—138.

De Bree, Nelson, to Portage Engineering Co. Combination heating and humidifying device. 3,268,169, 8–23–66, Cl. 237—78.

Debrie, Andre V. L. C. Film-guiding tracks or channels in cinematographic apparatus. 3,271,099, 9–6–66, Cl. 352—224.

Debrie, Andre V. L. C. Cinematographic apparatus. 3,277,733, 10–11–66, Cl. 74—207.

De Brie Perry, Forbes G.: *See*—
Standing, Hugh H. H., and De Brie Perry. 3,242,753.

De Brie Perry, Forbes G., and T. G. Fellows, to National Research Development Corp. Continuously variable transmission. 3,267,756, 8–23–66, Cl. 74—200.

De Brie Perry, Forbes G., and T. G. Fellows, to National Research Development Corp. Variable ratio transmission. 3,276,279, 10–4–66, Cl. 74—190.5.

Debrotnic, John S.: *See*—
Gunnar, Keith, Stoll, Debrotnic, Hansen, Brooks, and Kalocsay. 3,231,196.

Debrotnic, John S., and H. G. Stoll, to The Boeing Co. Fluid coupling unit. 3,230,964, 1–25–66, Cl. 137—149.5.

De Bruijn, Willem F. L.: *See*—
Cramer, Charles R., and de Bruijn. 3,242,201.

De Brunner, Ralph E.: *See*—
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Blake, Edward S., De Brunner, and Richardson. 3,290,253.

De Brunner, Ralph E., J. A. Webster, and E. S. Blake, to Monsanto Research Corp. Fluorine-containing amines. 3,227,761, 1–4–66, Cl. 260—583.

Debs, Victor. Draftsman's and engineer's drawing and trigonometric instrument. 3,266,156, 8–16–66, Cl. 33—93.

De Buhr, Harold E.: *See*—
Soteropulos, Gust, de Buhr, and Gustafson. 3,274,761.

De Buhr, Johann G., to United Fruit Co. Apparatus and process for freeze drying. 3,262,212, 7–26–66, Cl. 34—5.

Debus, Henri R.: *See*—
Marechal, Joseph E. M., Debus, and Cahen. 3,269,939.

Debus, Karl, to Linotype G.m.b.H. Apparatus for symmetrically cutting a cast line. 3,274,876, 9–27–66, Cl. 83—415.

Debus, Karl, to Linotype G.m.b.H. Assembling apparatus for linecasting machines. 3,275,127, 9–27–66, Cl. 199—21.

Debus, Karl, to Linotype G.m.b.H. Mold wheel indexing and magazine selector apparatus. 3,285,396, 11–15–66, Cl. 199—11.

De Caccia, Godfrey L., to Pendleton Tool Industries, Inc. Knockdown work table. 3,229,824, 1–18–66, Cl. 211—182.

De Capitani, Francesco. Self-lighting cigarette and ignition element therefor. 3,262,456, 7–26–66, Cl. 131—7.

De Carli, Paul S., to Stanford Research Institute. Method of making diamond. 3,238,019, 3–1–66, Cl. 23—209.1.

De Cat, Arthur H.: *See*—
Hart, Rene M., and De Cat. 3,230,201.

De Cat, Arthur H., and R. K. Van Poucke, to Gevaert Photo-Producten N.V. Process for the preparation of sulfonated aroyl acetarylides. 3,287,381, 11–22–66, Cl. 260—401.

Decca Ltd.: *See*—
Bridges, Donald E. 3,270,343.
Cooper, Margaret J. 3,292,935.
Freedman, Arye L. 3,284,776.
Gwillim, David T. 3,281,038.
Holden, Alfred T. 3,286,271.
Milne, Kenneth, and Flounders. 3,266,038.
Phillipson, Alan, Spiller, and Smith. 3,271,483.
Phillipson, Alan, Spiller, Smith, and Cheesman. 3,259,027.
Phillipson, Alan, Spiller, Smith, and Cheesman. 3,271,483.
Sharpe, Terence C. 3,261,564.
Swale, Roy T., and Jones. 3,262,109.

De Cerjat, Aymon, to Edouard Dubied et Cie (Societe Anonyme). Method and device for the individual control of selecting members. 3,283,541, 11–8–66, Cl. 66—50.

Dechaine, Robert C., and R. W. Callaghan, to General Mills, Inc. Method for processing protein fiber. 3,269,841, 8–30–66, Cl. 99—14.

Dechantsreiter, Max, to Harnischfeger Corp. Grab stabilizer for cranes. 3,247,974, 4–26–66, Cl. 212—11.

Dechantsreiter, Max, to Harnischfeger Corp. Shipboard cargo transferring apparatus having an electrical cable supporting means. 3,248,487, 4–26–66, Cl. 191—12.

Dechantsreiter, Max J., to Harnischfeger Corp. Stacker crane. 3,250,399, 5–10–66, Cl. 212—21.

Dechantsreiter, Max J., to Harnischfeger Corp. Stacker crane weighting mechanism. 3,270,893, 9–6–66, Cl. 212—2.

Dechantsreiter, Max J., to Harnischfeger Corp. Stacker crane power lift mechanism. 3,286,853, 11–22–66, Cl. 212—128.

Dechering, Johannes A. B., to North American Philips Co., Inc. Terminal connection for electron discharge device. 3,260,884, 7–12–66, Cl. 315—3.5.

Dechering, Johannes A. B., and G. A. W. J. Spanhoff, to North American Philips Co., Inc. Traveling wave tube, in which an electron beam interacts with a helical delay line, having spurious oscillation suppressing means. 3,250,946, 5–10–66, Cl. 315—3.5.

Dechert, Charles H. Forage crop pelleter. 3,234,894, 2–15–66, Cl. 107—14.

Dechet, Robert: *See*—
Moressee, Georges, and Dechet. 3,263,143.

Decibel Products, Inc.: *See*—
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Deck, Harold, to Components for Research, Inc. Mounting arrangement for a high voltage electron tube. 3,241,093, 3–15–66, Cl. 336—107.

Deckel, Friedrich W.: *See*—
Eitlhuber, Erich. 3,250,180.
Ostler, Josef. 3,289,538.
Reeher, Rudolf, and Muller. 3,266,375.

Deckel, Hans: *See*—
Eitlhuber, Erich. 3,250,180.
Muller, Johann. 3,286,598.
Müller, Johann, and Lanzenberger. 3,248,101.
Ostler, Josef. 3,289,538.

Deckel, Wilhelm: *See*—
Muller, Johann. 3,286,598.

Decker, Clarence W.: *See*—
Haulik, Greer, and Decker. 3,272,542.

Decker Corp.: *See*—
Briglia, Anton. 3,269,521.

Decker, Dalton L., and R. McMurtrie, to The Dow Chemical Co. Oxidation of carbonaceous materials in the presence of a non-alkaline medium to produce coal acids. 3,259,650, 7–5–66, Cl. 260—515.

Decker, Frederick J.: *See*—
Conner, Lyman C., Vix, and Decker. 3,288,454.

Decker, Friedrich W.: *See*—
Müller, Johann, and Lanzenberger. 3,248,101.

Decker, George A., and D. B. Fisk, to General Electric Co. Recharger contacts for electric toothbrush. 3,275,919, 9–27–66, Cl. 320—2.

Decker, Hanns: *See*—
Golucke, Karl, and Decker. 3,227,381.
Reeber, Rudolf, and Muller. 3,266,375.

Decker, Herbert, to M. Grundig. Line-spacing wheel and clutch for a typewriter. 3,250,368, 5–10–66, Cl. 197—123.

Decker, Herbert, to M. Grundig. Escapement operating arrangement for typewriters. 3,258,101, 6–28–66, Cl. 197—82.

Decker, Herbert, to M. Grundig. Adjustable drive cam for typewriters. 3,286,807, 11–22–66, Cl. 197—17.

Decker, Jacob, to The Cincinnati Milling Machine Co. Releasable one way drive mechanism. 3,276,278, 10–4–66, Cl. 74—144.

Decker, Jacob, to The Cincinnati Milling Machine Co. Machine tool anti-backlash mechanism. 3,289,357, 12–6–66, Cl. 51—165.

Decker, John R. Fishing sinker. 3,280,498, 10–25–66, Cl. 43—43.12.

Decker, John W., and C. G. Koella, to Michigan Tool Co. Disinfecting cleansing pad. 3,283,357, 11–8–66, Cl. 15—506.

Decker, Judson, and G. D. Gilmore, to Bopp-Decker Plastics, Inc. Spin welding apparatus for joining plastic workpieces. 3,244,574, 4–5–66, Cl. 156—382.

Decker, Martin, J. Schmidt, H. J. Pistor, and H. Scholz, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of adiponitrile. 3,242,204, 3–22–66, Cl. 260—465.2.

Decker, Martin M.: *See*—
Brown, Thomas T. 3,267,860.

Decker, Milton R., and J. L. Kukowski, to Purolator Products, Inc. Filter assembly having the enclosure embedded in the bottom member. 3,265,213, 8–9–66, Cl. 210—136.

Decker, Raymond F.: *See*—
Floreen, Stephen, and Decker. 3,294,527.

Decker, Richard O.: *See*—
Carroll, James C., Decker, Thompson, and Van Gelder. 3,248,648.

Decker, Robert A.: *See*—
Bellas, Frederick E., and Decker. 3,258,019.

Decker, Robert M., and L. J. Gierosky. Remotely applied conductor spacer. 3,271,510, 9–6–66, Cl. 174—146.

Decker, Robert W. Sampling probe. 3,262,318, 7–26–66, Cl. 73—421.

Decker, Walter O., and R. W. Schwable, to The Val Decker Packing Co. Meat presses. 3,229,621, 1–18–66, Cl. 100—99.

Decker, William H.: *See*—
Dalson, Milton H., and Decker. 3,258,420.

Decker, William H., to Maxant Button & Supply Co. Fabric-faced belt-buckle. 3,237,262, 3–1–66, Cl. 24—163.

Decker, William H., to Sinclair Research, Inc. Process of regenerating a catalyst. 3,248,338, 4–26–66, Cl. 252—416.

Decker, William H., to Sinclair Research, Inc. Method of detecting decline in catalyst activity. 3,267,026, 8–16–66, Cl. 208—140.

Deckowitz, Philip A.: *See*—
Schwertfeger, Owen J., Gustavel, and Deckowitz. 3,258,154.

De Claire, James H., to General Motors Corp. Power operated parking brake having an automatic transmission control gear shift release. 3,270,840, 9–6–66, Cl. 192—4.

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De Coye de Castelet, Gaëtan, to Regie Nationale des Usines Renault. Air-conditioning devices for automobile vehicles. 3,289,564, 12–6–66, Cl. 98—2.

De Coye de Castelet, Gaetan, to Regie Nationale des Usines Renault. Air-conditioning of automobile vehicles. 3,289,-938, 12–6–66, Cl. 237—34.

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Dedinas, Jonas, A. M. Henke, and W. C. Offutt, to Gulf Research & Development Co. Process for the hydroalkylation of a polyalkylated phenol. 3,284,514, 11–8–66, Cl. 260—621.

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Defiandre, René, to Societe dite: DEREFA, Etablissement pour le Developpement, Recherches et Fabrications Industrielles. Rotatable device for supporting parts to be machined. 3,293,990, 12–27–66, Cl. 90—58.

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DeLano, Merritt V., Jr., and D. C. Tabler, to Phillips Petroleum Co. Batch crystal purification. 3,290,891, 12–13–66, Cl. 62—58.

De Lany, Beatrice P., and P. L. Copeland. Shielded cathode. 3,258,632, 6–28–66, Cl. 313—199.

Delany, John J., E. C. Balsel, and J. D. Langdon. Diaphragm valve and bypass assembly. 3,254,664, 6–7–66, Cl. 137—244.

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De la Rambelje, Henry A. (now, by change of name, R. D. Rambelle). Form supporting girder for use in concrete construction. 3,247,639, 4–26–66, Cl. 52—632.

Delaruelle, Jacques, and L. Constantin, to Electricite de France (Service National), and Gar de France (Service National). Positioning of submarine tubes. 3,273,346, 9–20–66, Cl. 61—72.3.

Delassus, Marcel, M. Briec, and B. Lazard, to Commissariat a l'Energie Atomique. Process for enriching ammonia in deuterium. 3,233,971, 2–8–66, Cl. 23—193.

Delassus, Marcel, and J. Gombar, to Houilleres du Bassin du Nord et du Pas-de-Calais. Hydrocarbon refining process. 3,265,754, 8–9–66, Cl. 260—674.

Delaune, Elaine T., and J. C. Winkler, to Esso Research and Engineering Co. Distillation method of improving the odor of oxygenated organic substances. 3,239,434, 3–8–66, Cl. 203—65.

Delaune, Elaine T., and J. C. Winkler, to Esso Research and Engineering Co. Oxygenated organic compounds of improved odor. 3,271,456, 9–6–66, Cl. 260—593.

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Del Cueto de la Fuente, Eusebio: *See*—
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De Leers, Jozef J. C. L., to International Standard Electric Corp. Vertical deflection and blanking circuit. 3,243,647, 3–29–66, Cl. 315—22.

De Leeuw, Gerrit, to N.V. Vereenigde Glasfabrieken (United Glassworks). Gas burner. 3,269,666, 8–30–66, Cl. 239—545.

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De Leo, Richard V.: *See*—
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Dell'Aria, Paul S., J. W. Greer, Jr., and R. Mountjoy, to United States of America, Navy. Snorkel simulator. 3,229,292, 1–11–66, Cl. 343—18.

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De Loach, Bernard C., Jr., and R. L. Johnston, to Bell Telephone Laboratories, Inc. Two-terminal semiconductor high-frequency oscillator. 3,270,293, 8–30–66, Cl. 331—107.

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De Long, Herbert K., and C. W. Glesner, to The Dow Chemical Co. Method of coating a magnesium metal article. 3,252,215, 5–24–66, Cl. 29—458.

De Long, Leon B., C. B. Finkelson, and G. E. Suderow, deceased (by E. D. Suderow, executrix), to De Long Corp. Walking work barge. 3,230,721, 1–25–66, Cl. 61—46.5.

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De Lord, Jean F., W. C. Myers, and K. H. Johnston, to Tektronix, Inc. Method of modulating light with intrinsic semiconductor device and electrical signal modulator employing such device. 3,229,108, 1–11–66, Cl. 250—217.

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DeLorenzo, Eugene J., and R. V. Wright, to Olin Mathieson Chemical Corp. Preparation of reaction products of diborane and conjugated diolefins. 3,260,754, 7–12–66, Cl. 260—606.5.

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De Luca, Peter L., to Hawley Products Co. Process for making fibrous articles. 3,250,839, 5–10–66, Cl. 264—119.

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De Lucia, Santo. Process and composition for enhancing bacterial action on septic tanks and the like, and method of making said composition. 3,242,055, 3–22–66, Cl. 195—63.

DeLucia, Santo. Sliding jaw wrench having claw handle jaw adjustment means. 3,290,970, 12–13–66, Cl. 81—127.

De Lucia, Victor E. Vacuum relay. 3,258,559, 6–28–66, Cl. 200—87.

De Lucia, Victor E. High-vacuum miniaturized relay. 3,275,-776, 9–27–66, Cl. 200—144.

De Lucia, Victor E. Vacuum relay having improved contact electrodes. 3,275,783, 9–27–66, Cl. 200—166.

De Lucia, Victor E., and C. A. Le Beau, to Torr Laboratories, Inc. High voltage miniature relay. 3,250,886, 5–10–66, Cl. 200—166.

De Lucia, Victor E., and B. C. Meland; said Meland assor. to Torr Laboratories, Inc. Permanent magnet latching type vacuum relay. 3,295,080, 12–27–66, Cl. 335—153.

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Demarais, Willard H. Raising and lowering mechanism for car roof carrier. 3,282,455, 11–1–66, Cl. 214—450.

De Marcellus, Roland. Power assisted braking system. 3,288,538, 11–29–66, Cl. 303—11.

De Marco, John J. Surgical instrument. 3,256,874, 6–21–66, Cl. 128—2.

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Demeester, Jacques, to The British Petroleum Co. Ltd. Hydrogenation of waxes. 3,285,845, 11–15–66, Cl. 208—27.

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Rust, Frank E., and Demeritt. 3,261,909.

Demeritt, Raymond B., and J. C. Sperou, to Cambridge Thermionic Corp. Variable impedance having a rolling diaphragm seal. 3,238,483, 3–1–66, Cl. 336—136.

De Mestral, George. Self-supporting fabric hair curler. 3,267,942, 8–23–66, Cl. 132—40.

Demeter, Joseph J.: *See*—
Forney, Albert J., and Demeter. 3,271,326.

Demeter, Jozsef. Method and apparatus for producing plastic coated carriers. 3,239,367, 3–8–66, Cl. 117—68.

De Mey, Charles F., II, to The Perkin-Elmer Corp. Plural grating scanning system. 3,229,563, 1–18–66, Cl. 88—14.

De Mey, Charles F., II, to The Perkin-Elmer Corp. Cameras for different size pictures. 3,291,021, 12–13–66, Cl. 95—36.

De Meyer, Alfons. Clamping tensioned strings for the stringing or restringing of rackets. 3,284,050, 11–8–66, Cl. 254—67.

Demeyer, Gaston J.: *See*—
Glass, Marvin I., Demeyer, and Pinsler. 3,246,423.

De Meyer, Roy W.: *See*—
Ririe, Charles L., and De Meyer. 3,234,792.

De Meyer, Roy W., and K. H. Mauer, to Magnetrol, Inc. Pneumatic controller. 3,245,425, 4–12–66, Cl. 137—86.

Demi, Roy C. to Robertshaw Controls Co. Automatic "Range Top" coffee maker. 3,246,596, 4–19–66, Cl. 99—310.

Demido, Michael: *See*—
Friedmann, Anton R. J., and Demido. 3,263,930.

De Mille, Cecil L., J. G. Quetsch, Jr., and F. J. Sala, to Hughes Aircraft Co. Silicon bonding technology. 3,241,-011, 3–15–66, Cl. 317—234.

De Mille, Cecil L., J. G. Quetsch, Jr., and F. J. Sala, to Hughes Aircraft Co. Metal ball connection to crystals. 3,266,137, 8–16–66, Cl. 29—473.1.

Deming, Andrew F., to Consolidated Electronics Industries Corp. Thermal time delay. 3,229,169, 1–11–66, Cl. 317—147.

Deming, Charles R., to Hughes Aircraft Co. Thickness rate monitoring system for depositing dielectric films. 3,278,-843, 10–11–66, Cl. 324—61.

Deming, John M., to Monsanto Co. Herbicidal composition and method. 3,261,680, 7–19–66, Cl. 71—2.7.

Deming, Le Roy F. Fluid viscosity control. 3,277,916, 10–11–66, Cl. 137—87.

Deming, Raymond L. Distortion analysis apparatus. 3,256,-611, 6–21–66, Cl. 33—174.

Demiquad Sales Corp.: *See*—
Schroeder, Arthur C. 3,233,529.

Demitrack, George: *See*—
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Demler, Henry W.: *See*—
Broske, William F., Demler, Knowles, and Wahl. 3,235,-944.

Demler, Henry W., and G. W. Ziegler, Jr., to AMP Inc. Coaxial connector tool. 3,270,392, 9–6–66, Cl. 29—33.

Demler, Henry W., Sr.: *See*—
Broske, William F., Demler, Knowles, and Wahl. 3,280,-856.

Demler, Walter R., to Allied Chemical Corp. Bis-6-oxo-6H-anthra - [9,1-cd]isothiazole - 3 - carboxamide derivatives. 3,245,995, 4–12–66, Cl. 260—272.

Demmel, Georg, to Siemens & Halske Aktiengesellschaft. Communication cable. 3,227,801, 1–4–66, Cl. 174—34.

Demmerle, Alan M., to United States of America, Navy. Gated counter having diode isolating input from gate. 3,229,118, 1–11–66, Cl. 307—88.5.

Demmler, Kurt: *See*—
Craubner, Hans, Illing, and Demmler. 3,256,362.

Demmler, Kurt, H. Distler, F.-F. Miller, and L. Wuertele, to Anilin- & Soda-Fabrik Aktiengesellschaft. Production of polysulfonates. 3,228,912, 1–11–66, Cl. 260—49.

Demo, Max J. Rotary shock wave drill bit. 3,250,337, 5–10–66, Cl. 175—343.

Demoen, Paul J. A. W.: *See*—
Raeymaekers, Alfons H. M. and Demoen. 3,274,209.

De Mola, Carlos L., W. J. Wakatsuki, D. W. Christiansen, and M. Y. Dreksler, to Frick Co. Processing apparatus for changing the temperature of articles. 3,269,142, 8–30–66, Cl. 62—381.

Demole, Eduard, to Firmenich et Cie. 2-alkenyl and 4-alkenyl derivatives of 3-oxo-cyclopentylacetic acid esters. 3,288,-833, 11–29–66, Cl. 260—468.

De Monfreid, Daniel. Sailing-boat. 3,272,167, 9–13–66, Cl. 114—39.

De Monte, Robert W., to Bell Telephone Laboratories, Inc. Multiple station communication network. 3,236,948, 2–22–66, Cl. 179—1.

De Monterey, Francis G. A.: *See*—
Coant, Pierre M., and de Monterey. 3,259,577.

De Montremy, Jean, and J. V. Dejoux. Methods and apparatus for making animated cartoons. 3,271,097, 9–6–66, Cl. 352—133.

De Montremy, Jean, and J. V. Dejoux. Article removably mounting a plurality of film strips. 3,292,990, 12–20–66, Cl. 352—232.

Demopoulos, Panayotis P.: *See*—
Curry, Philip E., and Demopoulos. 3,272,140.
Curry, Philip E., and Demopoulos. 3,272,141.

Demorest, Howard L., to Litton Systems Inc. Method and apparatus for monitoring radioactive contamination of air using a film of water and a scintillation detector. 3,288,-995, 11–29–66, Cl. 250—71.5.

De Moss, Dean L., to Minnesota Mining and Mfg. Co. Differential capstan for multiple tape sizes. 3,282,486, 11–1–66, Cl. 226—181.

Demoures, Bernard: *See*—
Colas, Louis, Demoures, and Bourgau. 3,268,449.

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Dempsey, Norman E. 3,241,242.

Dempsey, Anthony P.: *See*—
Harris, Sidney, and Dempsey. 3,266,213.

Dempsey, Jay R., and J. V. Borsellino, to Thiokol Chemical Corp. Method of thermally insulating articles with a filled polyurethane composition. 3,259,516, 7–5–66, Cl. 117—46.

Dempsey, Norman E., to Dempco, Inc. Drafting instrument. 3,241,242, 3–22–66, Cl. 33—174.

Dempsey, Patrick E., to United States Steel Corp. Method and apparatus for lining a hot top. 3,231,948, 2–1–66, Cl. 22—9.

Dempster Brothers, Inc.: *See*—
Dempster, George R., Herpich, and Cooley. 3,231,120.
Dempster, James W., Huey, and Voorhees. 3,283,932.
Dempster, James W., and Voorhees. 3,272,150.
Dempster, James W., Voorhees, and Harvey. 3,254,875.
French, Henry C., and Toppins. 3,229,622.
French, Henry C., and Wender. 3,237,797.

Dempster, George R.: *See*—
Herpich, William A., and Harvey. 3,266,654.

Dempster, George R., deceased (Trust Co. of Georgia, executor), W. A. Herpich, and C. R. Cooley; said Herpich and said Cooley, assors. to Dempster Bros., Inc. Container loading and unloading mechanism. 3,231,120, 1–25–66, Cl. 214—505.

Dempster, James W., S. C. Voorhees, and S. E. Harvey, to Dempster Bros., Inc. Transporting equipment. 3,254,875, 6–7–66, Cl. 254—97.

Dempster, James W., and S. C. Voorhees, to Dempster Bros., Inc. Freight transportation system. 3,272,150, 9–13–66, Cl. 105—366.

Dempster, James W., T. J. Huey, Jr., and S. C. Voorhees, to Dempster Bros., Inc. Apparatus for handling containers. 3,283,932, 11–8–66, Cl. 214—516.

Dempster, John M., Jr., to The Standard Oil Co. Evaporation inhibiting device. 3,253,732, 5–31–66, Cl. 220—26.

Demsey, John N., Jr., and J. A. Huber, to Aluminum Co. of America. Method of making a composite container. 3,274,-905, 9–27–66, Cl. 93—94.

De Muro, Thomas M., to Radio Corp. of America. Electron discharge tube having a diode built therein. 3,263,108, 7–26–66, Cl. 213—3.

Demyon, Thomas R.: *See*—
Lichtenberg, Jerome M., and Demyon. 3,248,946.

Denaro, Benny. Container support bracket. 3,278,148, 10–11–66, Cl. 248—210.

Denault, Clinton L., to Westinghouse Electric Corp. Protective means for circuit interrupting devices. 3,260,894, 7–12–66, Cl. 317—11.

De Nault, Harry J., to General Dynamics Corp. Ribbon electroplating method. 3,259,556, 7–5–66, Cl. 204—27.

Denbo, Robert T.: *See*—
Hamner, Glen P., Jones, Denbo, and Lindsey. 3,240,695.

Den Brinker, Carl S., to Texas Instruments Inc. Astable multivibrator circuits employing auxiliary discharge paths for cross coupling capacitors. 3,292,105, 12–13–66, Cl. 331—113.

Dence, Geoffrey R.: *See*—
Barker, John B., and Dence. 3,260,420.

Dencker, Gunther C. Audio power amplifier utilizing multiple feedback loops. 3,263,180, 7–26–66, Cl. 330—81.

Dendix Brushes Ltd.: *See*—
Godfrey, Leonard R. 3,274,634.
Godfrey, Leonard R. 3,278,966.

Den Dulk, Ernst S., to North American Philips Co., Inc. Grid electrode for electrical discharge tubes. 3,246,198, 4–12–66, Cl. 313—345.

Deneen, Raymond J., Jr., to United States of America, Navy. Linear, automatic gain control amplifier. 3,292,096, 12–13–66, Cl. 330—29.

De Neergaard, Leif E.: *See*—
Trechsel, Hans W., and de Neergaard. 3,231,769.

De Neergaard, Leif E., deceased (The Northern Trust Co., executor), to F. W. Olmstead, H. W. Trechsel, D. A. Gerard, and N. S. Parker, trustees. Control system for machine tools and the like. 3,230,516, 1–18–66, Cl. 340—174.1.

De Neergaard, Leif E., deceased (by The Northern Trust Co., executor), to F. W. Olmstead, H. W. Trechsel, D. A. Gerard, and N. S. Parker, trustees. Light flux interrupting system for measuring displacements. 3,230,827, 1–25–66, Cl. 88—61.

De Neergaard, Leif E., deceased (by The Northern Trust Co., executor), to H. W. Trechsel, D. A. Gerard, and N. S. Parker, trustees. Signal generator and electrical resolver. 3,231,882, 1–25–66, Cl. 340—345.

Denenberg, Maurice. Method of making a laminate article. 3,228,308, 1–11–66, Cl. 93—94.

De Nevers, Noel H., to Chevron Research Co. Heat exchanger apparatus. 3,242,983, 3–29–66, Cl. 165—159.

Dengel, Ferdinand, to Knoll A.G. Chemische Fabriken Ludwigshafen. Basically substituted phenyl acetonitrile compounds. 3,261,859, 7–19–66, Cl. 260—465.

Dengler, Oskar E. Carbon dioxide analyzer. 3,266,869, 8–16–66, Cl. 23—254.

Denham, Anthony R.: *See*—
Carter, Edward R., Holbrow, Best, and Denham. 3,265,-254.

Denham, Derek M., to Southall & Smith Ltd. Material feeding apparatus. 3,269,527, 8–30–66, Cl. 198—213.

Denham, William L., to General Electric Co. Miniature magnetic core and component assemblies. 3,251,015, 5–10–66, Cl. 336—96.

Den Hartog, Arie P.: *See*—
Yap, Kie J., and Hartog. 3,246,683.

Den Herder, Gerald, to Square Wheel Co. Belt grinding machine. 3,267,619, 8–23–66, Cl. 51—148.

Den Herder, Marvin J., and W. J. Zimmerschied, to Standard Oil Co. Jet fuel manufacture. 3,236,764, 2–22–66, Cl. 208—210.

Denhoff, Alice: *See*—
Smith, Walter H. B. 3,287,842.

Denholtz, Melvin. Muscle anchorage appliance. 3,293,747, 12–27–66, Cl. 32—14.

De Niet, Edmond, to North American Philips Co., Inc. Stabilized parametric amplifier with pump negative feedback. 3,249,881, 5–3–66, Cl. 330—3.

Denig, Fred, to Koppers Co., Inc. Method and apparatus for treating gases. 3,271,130, 9–6–66, Cl. 75—60.

Denis, Andre, and G. Ripart, to Sud-Aviation Societe Nationale de loons-Tractions. Apparatus for measuring magnetic field gradients by nuclear resonance, and applications thereof. 3,274,485. 9–20–66, Cl. 324—.5.

Denis, Gilbert A.: *See*—
Malone, Richard J., Osterman, Harris, and Denis. 3,237,-187.

Denis, Gilbert A., to Friden, Inc. Data translation system. 3,246,301, 4–12–66, Cl. 340—172.5.

Denis, Jean, and J. P. Morland, to Nord-Aviation Societe Nationale de Constructions Aeronautiques. Methods of seam welding of elements of rigid panels, and the corresponding welding machine. 3,250,890, 5–10–66, Cl. 219—82.

Denis, Louis, to Societe Anonyme des Etablissements. Centrifugal pump impeller. 3,264,027, 12–27–66, Cl. 103—115.

Denis, Michel, to Institut de Recherches de la Siderurgie Francaise. Burner for producing a stable flame with a high concentration of heat stabilized by a shock wave. 3,266,552, 8–16–66, Cl. 158—76.

Denis, Michel, to Institut de Recherches de la Siderurgie Francaise. Method for chemically reacting flowing gases. 3,280,018. 10–18–66, Cl. 204—164.

Deniseal, Inc.: *See*—
Dennis, Stanley W. 3,258,954.

Denison, Henry H., and G. W. Jenkins, to Deere & Co. Material dryer. 3,256,615, 6–21–66, Cl. 34—68.

Denison-Johnson, Inc.: *See*—
Johnson, Lloyd E. 3,232,554.

Denison, R. B., Mfg. Co.: *See*—
Jeffrey, Max L. 3,280,277.

Denison, Ruth C. Complexes containing aluminum boron and hydroxy organic compounds and process therefor. 3,267,-091, 8–16–66, Cl. 260—234.

Denison, Samuel J. M., R. H. Allmark, and W. J. Jones, to The English Electric Co. Ltd. Electric data storage apparatus. 3,252,145. 5–17–66, Cl. 340—172.5.

Deniston Co., The: *See*—
Cooley, Gordon A., and Kaye. 3,255,474.

Deniston, Richard L., to Standard Kollsman Industries, Inc. Combination feed-through and trimmer capacitor. 3,230,-431, 1–18–66, Cl. 317—249.

Denk, Richard, H. Gugelot, H. Sukopp, and E. Reichl, to Agfa Aktiengesellschaft. Electrically operated motion picture camera. 3,239,301, 3–8–66, Cl. 352—72.

Denk, Richard, H. Gugelot, H. Sukopp, and E. Reichl, to Agfa Aktiengesellschaft. Photographic structure, particularly for motion picture cameras. 3,256,793, 6–21–66, Cl. 95—11.

Denker, Henry B., and G. C. Parker. Guillotine cutter for roll sheeter. 3,269,243, 8–30–66, Cl. 83—155.

Denker, James M., to Instron Corp. Pneumatic servo especially useful in extensometers. 3,290,999, 12–13–66, Cl. 91—47.

Denkewalter, Robert G., and D. J. Shombert, to Merck & Co., Inc. High voltage rectifier. 3,231,793, 1–25–66, Cl. 317—234.

Denki Kagaku Kogyo Kabushiki Kaisha: *See*—
Kobayashi, Ryuichi. 3,281,486.

Denley, Warren C.: *See*—
Richardson, George, Ferren, and Denley. 3,226,905.

Denman, Elmer. Impact device for removing a tooth from excavating apparatus. 3,276,110, 10–4–66, Cl. 29—254.

Denman, Robert R., to Owens-Illinois, Inc. Glass forming apparatus. 3,268,322, 8–23–66, Cl. 65—323.

Denman, Robert R., to Owens-Illinois, Inc. Pressing plunger for glass parisons. 3,273,991, 9–20–66, Cl. 65—307.

Dennard, Robert H.: *See*—
Alexander, David C., and Dennard. 3,272,995.
Critchlow, Dale L., and Dennard. 3,229,209.

Dennard, Robert H., to International Business Machines Corp. Parametric circuits. 3,239,679, 3–8–66, Cl. 307—88.

Dennard, Robert H., H. Y. Juliusburger, N. Nakagawa, and G. E. Simaitis, to International Business Machines Corp. Logical systems utilizing phase locked subharmonic oscillators. 3,234,470, 2–8–66, Cl. 328—92.

Denner, John A.: *See*—
De Meo, Nicholas L., and Denner. 3,283,769.

Denner, John A., and R. D. Reis, to United Electric Controls Co. Pressure transducers. 3,283,283, 11–1–66, Cl. 338—194.

Dennery, Jacques, to Dennery, Societe Anonyme des Etablissements. Upright elements for constructing convertible, extensible, juxtaposable, quick-assembly and disassembly rack-type and the like structures or units. 3,282,016, 11–1–66, Cl. 52—732.

Dennery, Societe Anonyme des Etablissements: *See*—
Dennery, Jacques. 3,282,016.

Dennesen, Joseph C.: *See*—
Teel, Lawrence H., and Dennesen. 3,262,403.

Dennesen, Joseph C., L. H. Teel, and D. Wolf. Forming device. 3,251,318, 5–17–66, Cl. 107—47.

Denney, Joseph M., to TRW Inc. Aerospace vehicle having a self-contained telemetry system. 3,251,995, 5–17–66, Cl. 250—83.3.

Dennick, Kenneth R. Infinitely variable reversible alternating current drive. 3,257,867, 6–28–66, Cl. 74—689.

Denning, John W. Tension equalizing control system. 3,267,-086, 8–21–66, Cl. 242—75.4.

Dennis, David S.: *See*—
Worrell, William D., and Dennis. 3,280,810.

Dennis, Emery W., and A. Arnold, to Sterling Drug Inc. Feed compositions containing sodium N-glycolylarsanilate and method of use. 3,271,159, 9–6–66, Cl. 99—2.

Dennis, Fred S., to E. I. du Pont de Nemours and Co. Stuffer box crimper with composite crimper disc. 3,287,-270, 3–1–66, Cl. 28—1.

Dennis, George C. Auger with travelling cutter. 3,235,016, 2–15–66, Cl. 175—280.

Dennis, James A., to Johns-Manville Corp. Glass fiber filter tubes. 3,262,578, 7–26–66, Cl. 210—489.

Dennis, James T. Record changer. 3,231,282, 1–25–66, Cl. 274—10.

Dennis, James T. Record changer. 3,232,624, 2–1–66, Cl. 274—10.

Dennis, James T. Automatic record changer. 3,254,896, 6–7–66, Cl. 274—10.

Dennis, John F., to W. J. Dennis & Co. Sealing device. 3,254,453, 6–7–66, Cl. 20—69.

Dennis, Leon J., F. A. Place, and L. A. Warner, to Sylvania Electric Products, Inc. Apparatus for testing filamentary material. 3,287,964, 11–29–66, Cl. 73—95.

Dennis, Nigel T. M., to Edwards High Vacuum International Ltd. Vapor diffusion pumps. 3,288,354, 11–29–66, Cl. 230—101.

Dennis, Philip J., to Sylvania Electric Products Inc. Thermostatic switch. 3,278,705, 10–11–66, Cl. 200—113.

Dennis, Ralph E. Loose-leaf binder. 3,255,759, 6–14–66, Cl. 129—24.

Dennis, Ralph E., and R. A. Bolin. Hanger. 3,270,892, 9–6–66, Cl. 211—113.

Dennis, Stanley W., to Deniseal, Inc. Container closure forming apparatus and method. 3,258,954, 7–5–66, Cl. 72—294.

Dennis, Tom L., Jr., to Westinghouse Electric Corp. Highly efficient semiconductor switching amplifier. 3,239,772, 3–8–66, Cl. 330—18.

Dennis, W. J., & Co.: *See*—
Dennis, John F. 3,254,453.

Dennis, William J., to Fiberglas Canada Ltd. Process for controlling the hydrolysis of an organo-silane to form a stable dispersion. 3,228,903, 1–11–66, Cl. 260—29.6.

Dennis, William J. Polyvinyl acetate emulsion size for treating glass. 3,245,938, 4–12–66, Cl. 260—29.6.

Dennis, William J., to Fiberglas Canada Ltd. Method of conditioning glass fiber strands. 3,271,825, 9–13–66, Cl. 19—65.

Dennison, Denny. Game apparatus including scoring and totalizing means responsive to the state of a game being played and visibly observable score display means coupled thereto. 3,228,688, 1–11–66, Cl. 273—85.

Dennison Mfg. Co.: *See*—
Bone, Arnold R. 3,238,906.
Couture, Paul H. 3,272,068.
Flood, Carl A. 3,231,448.
Kallander, Ernest L., and Nelson. 3,262,827.
Long, Arthur A. 3,261,734.
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Nelson, George R. 3,233,962.
Nelson, George R. 3,272,644.
Nelson, George R. 3,284,275.
Nelson, George R. 3,290,251.
Nelson, George R., and Botsaris. 3,285,764.
Phipps, Ernest S. 3,231,949.
Satas, Wallace J. 3,231,446.
White, Kenneth J. 3,272,067.

Denny, Carl B.: *See*—
Lescher, George W., Denny, and Brown. 3,292,300.

Denny, Dann W., and A. C. Zuidema, to General Electric Co. Clamping and support arrangements for fuel burner control assemblies and the like. 3,234,992, 2–15–66, Cl. 158—123.

Denny, George R., and D. L. Stoner, to R. Berlin and G. F. Manley. Emergency assistance radio signaling system. 3,290,597, 12–6–66, Cl. 325—64.

De Nora, Oronzio, and G. Messner, to Oronzio De Nora Impianti Elettrochimici. Cell for electrolysis of hydrochloric acid. 3,242,065, 3–22–66, Cl. 204—256.

De Nora, Oronzio, Impianti Elettrochimici: *See*—
De Nora, Oronzio, and Messner. 3,242,065.

Denry Corp.: *See*—
Benton, John L. 3,247,529.

Densham, John R., to Automotive Products Co. Ltd. Power transmission systems. 3,283,612, 11–8–66, Cl. 74—687.

Densmore, Neal W., to Joy Mfg. Co. Material receiving, storing and discharging apparatus. 3,278,062, 10–11–66, Cl. 214—519.

Denss, Rolf: *See*—
Clauson-Kaas, Niels, Denss, Ostermayer, and Renk. 3,245,998.
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Denss, Rolf, A. Meisels, and H. Ryf. N-(carbamymethyl)-4-pheynl-4-carbethoxy piperidines. 3,248,618, 5–3–6, Cl. 260—294.3.

Dent, Bernard K., to Sheller Mfg. Corp. Remote control for rear view mirror. 3,261,226, 7–19–66, Cl. 74—501.

Dent, Eugene, to General Motors Corp. Thermoelectric generator assembly. 3,269,873, 8–30–66, Cl. 136—208.

Dent, Peter N.: *See*—
Rapson, John E., Nicholson, and Dent. 3,267,882.

Den Tex, Karel: *See*—
Becker, Frank E., and den Tex. 3,237,935.

Dentin Mfg., Co.: *See*—
Kruissink, John W. 3,266,545.

Dentists' Supply Co. of New York, The: *See*—
Deeley, Haskin U., Jr. 3,280,462.
Deeley, Haskin U., Jr., and Stram. 3,254,733.
Deeley, Haskin U., Jr., and Stram. 3,280,458.
Just, Charles H., and McCartney. 3,268,765.
Saffir, Jacob A. 3,228,657.
Stram, George H. 3,270,417.
Walker, Barvo N., and Hull. 3,280,459.
White, Raymond A. 3,250,005.
White, Raymond A. 3,256,603.

Denton, Arnold E., J. M. Hogan, W. J. McBrady, and J. F. Beuk, to Swift & Co. Enzymatic removal of meat from bones. 3,293,687, 12–27–66, Cl. 17—1.

Denton, Bethel E.: *See*—
Stark, John, Jr., Denton, and McLeod. 3,273,021.

Denton, Bryce A., to General Electric Co. Steam iron boiler cleaning. 3,238,649, 3–8–66, Cl. 38—77.

Denton, David A.: *See*—
Bird, Jack E., Hall, and Denton. 3,228,095.

Denton, Eric B., and N. J. Sheeran, to Weyerhaeuser Co. Method for applying road markers. 3,230,842, 1–25–66, Cl. 94—22.

Denton, Eric B., H. M. Preusser, and E. D. Hasenwinkle, to Weyerhaeuser Co. Stacker. 3,233,891, 2–8–66, Cl. 271—77.

Denton, Eric B., H. M. Preusser, and E. D. Hasenwinkle, to Weyerhaeuser Co. Apparatus and method for manufacturing laminar materials joined together with wet adhesive webs. 3,247,042, 4–19–66, Cl. 156—288.

Denton, Harry J.: *See*—
McGrew, James. 3,234,618.
McGrew, James C., and Hoffman. 3,234,617.

Denton, Richard T., to Bell Telephone Laboratories Inc. Elastic wave devices utilizing mixed crystals of potassium tantalate-potassium niobate. 3,293,557, 12–20–66, Cl. 330—4.6.

Denton, Ronald T.: *See*—
Ball, Thomas M., and Denton. 3,262,683.

Denton, Sterling C. Lapping vise. 3,247,624, 4–26–66, Cl. 51—217.

Denton, William I., to Olin Mathieson Chemical Corp. Catalytic process for the preparation of 2,3-dihydropyran from tetrahydrofurfuryl alcohol. 3,240,790, 3–15–66, Cl. 260—345.1.

Denton, William I., to Olin Mathieson Chemical Corp. Preparation of 2,3-dihydropyran from tetrahydrofurfuryl alcohol. 3,240,791, 3–15–66, Cl. 260—345.1.

Denton, William I., P. D. Hammond, and J. A. Wood, to Olin Mathieson Chemical Corp. Process for the production of aromatic isocyanates. 3,287,387, 11–22–66, Cl. 260—453.

D'Entremont, Donald J.: *See*—
Baird, William G., Jr., Lindstrom, Besse, and D'Entremont. 3,294,621.
Lindstrom, Carl A., Jr., Baird, Besse, and D'Entremont. 3,260,776.

D'Entremont, Franklin R., to General Electric Co. Removable bar for current transformer. 3,264,591, 8–2–66, Cl. 336—174.

D'Entremont, Franklin R., to General Electric Co. Terminal enclosure. 3,283,062, 11–1–66, Cl. 174—138.

Denuzzio, Andy A., to Jones and Laughlin Steel Corp. Tin plate identification. 3,281,221, 10–25–66, Cl. 29—191.

Denver Chemical Mfg. Co., The: *See*—
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Denver Equipment Co.: *See*—
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Denyes, Russell O., to Celanese Corp. of America. Wet spinning process. 3,240,852, 3–15–66, Cl. 264—181.

Denyon, Thomas R. Radiator sight gauge. 3,277,713, 10–11–66, Cl. 73—334.

Denzin, Erwin E. Torque limiting clutch having positionable control means. 3,245,230, 4–12–66, Cl. 64—29.

De Oliveira, Jose P., to Metalurgica Biasia Industria e Comercio Ldta. T.V. antenna with circular semi-dipoles. 3,256,-522, 6–14–66, Cl. 343—807.

De Orlow, Stephen, to Ryerson & Haynes, Inc. Ratchet wrench. 3,273,429, 9–20–66, Cl. 81—62.

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De Palma, Frank. Audio-visual signalling system for use in connection with stationary derricks, mobile cranes and the like during demolition and construction of buildings. 3,257,655, 6–21–66, Cl. 340—286.

De Paolo, Peter A., to American Gage & Machine Co. Precision voltmeter using selectable series connected, digitally related resistors which are calibrated to read the value of input signal. 3,284,709, 11–8–66, Cl. 324—98.

De Paolis, Paul F., and P. B. Mauer, to Eastman Kodak Co. Phosphate glass for laser use. 3,250,721, 5–10–66, Cl. 252—301.4.

De Paolis, Paul F., and P. B. Mauer, to Eastman Kodak Co. Borate glass for laser use. 3,254,031, 5–31–66, Cl. 252—301.4.

De Pas, Laddie A.: *See*—
Severance, Glen R., De Pas, and Williams. 3,232,081.

De Pas, Laddie A., to Whirlpool Corp. Microtome cooling and dehumidifying. 3,236,135, 2–22–66, Cl. 83—170.

De Pas, Laddie A., to Whirlpool Corp. Humidifier. 3,282,-574, 11–1–66, Cl. 261—29.

De Pasqua, Thomas D., to United States of America, Navy. Adjustable screw-type limit stop. 3,262,535, 7–26–66, Cl. 192—141.

De Paul, Richard E., to Container Corp. of America. Partition lock for bottle carrier. 3,283,989, 11–8–66, Cl. 229—15.

De Pauw, Alfons J.: *See*—
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De Peignefort Galloway, Robert, and E. W. Bull, to Electric & Musical Industries Ltd. Dynamic convergence systems for colour kinescopes. 3,273,008, 9–13–66, Cl. 315—27.

Depenbrock, Manfred, to Brown, Boveri & Cie, Aktiengesellschaft. Self-controlled inverter with series connected condenser in load circuit. 3,229,189, 1–11–66, Cl. 321—36.

Depenbrock, Manfred, to Brown, Boveri & Cie, Aktiengesellschaft. Control device for current converters in reverse connection. 3,241,037, 3–15–66, Cl. 321—37.

Depenbrock, Manfred, to Brown, Boveri & Cie Aktiengesellschaft. Frequency changer for frequency conversion of three phase alternating currents. 3,274,482, 9–20–66, Cl. 321—69.

De Penti, Kenneth, and D. Willison, to Midland-Ross Corp. Automatic train line service connector. 3,251,480, 5–17–66, Cl. 213—1.3.

De Penti, Kenneth L.: *See*—
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De Penti, Kenneth L., to Midland-Ross Corp. Couplable railway car facilities. 3,248,683, 4–26–66, Cl. 339—64.

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Depetris, Lorenzo, to Smith Europea S.p.A. Book cover manufacturing machine. 3,268,929, 8–30–66, Cl. 11—2.

De Pew, Chester C., and N. F. Frick, to Aerpat A.G. Variable grip locking pin. 3,233,496, 2–8–66, Cl. 85—5.

De Pew, Chester C., to Chester Corp. Filler cap assembly. 3,276,615, 10–4–66, Cl. 220—25.

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De Pew, Chester C., to Chester Corp. Insulated filler cap. 3,289,876, 12–6–66, Cl. 220—25.

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De Pierri, William G., Jr., and C. N. Brawner, to Esso Research and Engineering Co. Production of α-olefin polymers. 3,285,900, 11–15–66, Cl. 260—93.7.

De Pietri Tonelli, Pietro: *See*—
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Depner, William A., to Automatic Electric Laboratories, Inc. Rotary switch shaft and support structure. 3,267,225, 8–16–66, Cl. 200—11.

Depoorter, Henri: *See*—
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Depoorter, Henri, M. J. Libeer, G. G. van Mierlo, and J. M. Nys, to Gevaert Photo-Producten N.V. Polymethine dyes. 3,264,110, 8–2–66, Cl. 96—106.

Depoorter, Henri, M. J. Libeer, G. G. Van Mierlo, and J. M. Nys, to Gevaert Photo-Producten N.V. Polymethine dyes. 3,268,334, 8–23–66, Cl. 96—106.

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De Poray, Marcel C. K. Unit and apparatus for filming a picture which has a surface including projections and gives an illusion of movement when illuminated by a moving light source. 3,261,120, 7–19–66, Cl. 40—106.52.

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Deppeler, John H., Jr., and E. J. Antczak, to Thermex Metallurgical, Inc. Art of mold welding. 3,242,538, 3–29–66, Cl. 22—124.

De Pree, David O., and J. D. Johnston, to Ethyl Corp. Manufacture of alkali metal compounds. 3,239,568, 3–8–66, Cl. 260—632.

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Deprez, Thomas A., W. C. Buchanan, and E. A. Hediger, to The Gleason Works. Tooth cutting machine. 3,229,585, 1–18–66, Cl. 90—9.

Deprill, Harold L., G. R. Luckenbill, Sr., and L. A. Doggrell, to General Battery and Ceramic Corp. Storage battery. 3,253,962, 5–31–66, Cl. 136—134.

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De Purton, John J. Extensible spouts for containers. 3,253,-728, 5–31–66, Cl. 215—73.
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Derfer, John M., B. J. Kane, and D. G. Young, to The Glidden Co. Preparation of carvone. 3,293,301, 12–20–66, Cl. 260—587.
Deremer, Floyd E., to Oldberg Mfg. Co. Exhaust pipe with tubular sound attenuating chamber forming means disposed therein. 3,276,541, 10–4–66, Cl. 181—48.
De Remer, James E., and E. G. Gardner, to Continental Aviation and Engineering Corp. Foam dispenser. 3,236,419, 2–22–66, Cl. 222—135.
De Remer, James E., T. J. Herringshaw, and J. W. Parent, to Continental Aviation and Engineering Corp. Packaging. 3,237,760, 3–1–66, Cl. 206—56.
Derenbecher, William J., Jr., to Radio Corp. of America. Electronic motor control servo system. 3,252,067, 5–17–66, Cl. 318—207.
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Dereux, Jean A., and J. E. Burchfield. Electric organ with tremulant effect. 3,251,925, 5–17–66, Cl. 84—1.25.
Derfer, John M., to The Glidden Co. Alpha pinene isomerization process and product. 3,278,623, 10–11–66, Cl. 260—675.5.
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De Ridder, Ernst J., to Reynolds Metals Co. Joint construction. 3,264,020, 8–2–66, Cl. 287—189.36.
De Ridder, Ernst J., to Reynolds Metals Co. Hydraulic actuator and locking mechanism. 3,270,621, 9–6–66, Cl. 91—44.
De Ridder, Ernst J., to Reynolds Metals Co. Railing construction. 3,276,750, 10–4–66, Cl. 256—13.1.
De Ridder, Willem. Apparatus for transferring bakery pans from a delivery conveyor to a transverse conveyor. 3,251,-450, 5–17–66, Cl. 198—27.
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Dermody, Dennis J., C. Speisman, and D. P. Buergin, to North American Aviation, Inc. Variable thrust device and injector. 3,234,731, 2–15–66, Cl. 60—35.6.
Der Mott, Raymond W., to Schlumberger Well Surveying Corp. Well completion apparatus. 3,273,645, 9–20–66, Cl. 166—55.1.
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De Rooij, Abraham H., to Stamicarbon N.V. Process for absorbing formaldehyde from gases containing the same. 3,243,939, 4–5–66, Cl. 55—89.
De Rooij, Abraham H., to Stamicarbon N.V. Process for preparing a nitrosating acid. 3,269,954, 8–30–66, Cl. 252—182.
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De Rosset, Armand J., to Universal Oil Products Co. Selective hydrogenation process. 3,268,608, 8–23–66, Cl. 260—668.
De Rosset, Armand J., to Universal Oil Products Co. Process for producing bromine from a mixture of hydrogen bromide and olefinic hydrocarbon. 3,273,964, 9–20–66, Cl. 23—216.
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Dersch, Fritz, and S. L. Paniccia, to General Aniline & Film Corp. Increasing the sensitivity of photographic emulsions. 3,255,013, 6–7–66, Cl. 96—107.
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Derschmidt, Hans, to Bolkow Gesellschaft mit beschrankter Haftung. Helicopter rotor system. 3,289,770, 12–6–66, Cl. 170—160.25.
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De Ruggieri, Pietro, to Ormonoterapia Richter S.p.A. Method for preparing 2a-methyl-3-on-azines of 3-keto steroids of the androstane and oestrane series. 3,249,627, 5–3–66, Cl. 260—397.4.
De Ruggieri, Pietro, C. Gandolfi, and U. Guzzi, to Ormonoterapia Richter S.p.A. [3,2-d]-pyrimidine steroids and the nucleosides thereof. 3,268,509. 8–23–66, Cl. 260—211.5.
De Ruig, Jan R., to American Enka Corp. Yarn package and winding method. 3,259,337, 7–5–66, Cl. 242—178.
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De Shazor, James C., Jr., L. R. Burk, and R. S. Jackson, to Rexall Drug and Chemical Co. Method and apparatus for assembling packages. 3,245,196, 4–12–66, Cl. 53—26.
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Desmazes, Andre P., and R. H. Tissier, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Accelerating arrangement for gas-turbine jet engines. 3,271,-946, 9–13–66, Cl. 60—35.6.
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De Smidt, Woodrow A., and D. V. Eckman, to Allen-Bradley Co. Removable segment, track-mounted terminal block. 3,236,975, 2–22–65, Cl. 200—133.
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Desperier, Michel, to l'Air Liquide, Societe Anonyme Pour l'Etude et l'Exploitation des Procedes Georges Claude. Guarded perforated tray for contacting liquids and gases. 3,294,379, 12–27–66, Cl. 261—114.

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Olson, Richard L. 3,231,256.
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Dill, Frederick H., Jr., to International Business Machines Corp. Method for producing semiconductor articles. 3,239,-393. 3–8–66, Cl. 148—189.
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Dimick, Keene P., and C. H. Hartmann, to Wilkens Instrument & Research, Inc. Detection of electromagnetic compositions by means of electron capture detection. 3,277,296, 10–4–66, Cl. 250—43.5.
Di Milla, Salvatore J., to International Harvester Co. Hub securing means. 3,260,542, 7–12–66, Cl. 287—53.
Di Mino, Alfonso, to Burroughs Corp. Drying apparatus for coated webs. 3,239,948, 3–15–66, Cl. 34—151.
Di Mino, Alfonso, to Burroughs Corp. Coating apparatus with cooling back-up roll. 3,265,034, 8–9–66, Cl. 118—68.
Dimitracopoulos, Panayotis C., and C. D. Pezaris, to The A.V. Corp. Signal recorder with hydraulic feed. 3,227,458, 1–4–66, Cl. 274—9.
Dimitracopoulos, Panayotis C., and C. D. Pezaris. Audiovisual projection system. 3,282,154, 11–1–66, Cl. 88—28.
Dimitri, Mitchell S., to West Virginia Pulp and Paper Co. Lignin reinforced rubber using combination of high and low melting lignins. 3,282,871, 11–1–66, Cl. 260—17.5.
Dimitroff, Vladimir T., Jr., to General Electric Co. Elastic turbine governing system for maintaining constant load. 3,239,677, 3–8–66, Cl. 290—40.
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Dimmich, Robert C., and R. M. Manker, to General Equipment Mfg. & Sales, Inc. Spigot for refrigerated confection. 3,255,938, 6–14–66, Cl. 222—505.
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Di Napoli, Nicholas J., Jr., to General Motors Corp. Variable traction self-propelled air bearing supported load transport device. 3,268,023, 8–23–66, Cl. 180—7.
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Kruckenberg, Winfried, Scriba, Langmann, and Dinges. 3,255,188.
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Dinges, Karl, E. Müller, and K.-H. Knapp, to Farbenfabriken Bayer Aktiengesellschaft. Stable aqueous emulsions of copolymers having self-cross-linking properties. 3,243,399, 3–29–66, Cl. 260—29.6.
Dinges, Karl, and E. Muller, to Farbenfabriken Bayer Aktiengesellschaft. Preparation of N-(alkenyloxymethylene) acrylamide copolymers and products thereof. 3,255,139, 6–7–66, Cl. 260—29.6.
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Dirks, Gerhard. Matrix device. Re. 26,032, 5–24–66, Cl. 340—172.5.

Dirks, Gerhard. Magnetic storage device. 3,228,007, 1–4–66, Cl. 340—172.5.

Dirks, Gerhard. Method and apparatus for sorting of recorded digital data. 3,242,466, 3–22–66, Cl. 340—172.5.

Dirks, Gerhard. Redundant digital data storage system. 3,281,804, 10–25–66, Cl. 340—174.1.

Dirks, Gerhard. Magnetic recording and reading head mounting assembly. 3,284,579, 11–8–66, Cl. 179—100.2.

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Dishart, Harry S. Protective assembly of devices for office, home, street and subway. 3,286,751, 11–22–66, Cl. 150—35.

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Dobbin, Rolline E., and C. B. Beck, to Cabot Corp. Process for producing inks. 3,294,567, 12–27–66, Cl. 106—307.

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Dobson, Kenneth R., and B. Yeomans, to The Distillers Co. Ltd. Process for transesterifying lower alkyl acrylates. 3,293,283, 12–20–66, Cl. 260—486.

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Docimo, Peter J., and J. H. Feig, to Marvin Electric Mfg. Co. Light fixture. 3,248,537, 4–26–66, Cl. 240—146.

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Dodd, Marlin M., C. B., and H. L. 3,229,834.

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Doleman, Jack, and A. S. Roberts, to Cotton Silk and Man Made Fibres Research Association. Apparatus for dyeing textile fabrics and the like. 3,287,433, 3–1–66, Cl. 68—22.

Dolen, Cecil W., and H. E. Sullivan, Jr., to Eastman Kodak Co. Plastic bobbin. 3,294,341, 12–27–66, Cl. 242—125.

Dolf, Hans R., and W. E. Marceau, to Selas Corp. of America. Glass melting furnace with submerged gas burners. 3,248,205, 4–26–66, Cl. 65—335.

Dolf, Hans R., and W. E. Marceau, to Selas Corp. of America. Method of melting glass with submerged combustion heaters and apparatus therefore. 3,260,587, 7–12–66, Cl. 65—135.

Dolfi, James J., Sr. Automatic vacuum spoiler for internal combustion engines. 3,274,984, 9–27–66, Cl. 123—124.

Dolgorukov, Gregory S. Drafting instrument. 3,280,465, 10–25–66, Cl. 33—113.

Dolle, Gerald T.: *See*—
Cordis, Nat. 3,239,056.

Dolinsky, Stanley. Hand tool for use in connection with thread guides. 3,286,333, 11–22–66, Cl. 29—254.

Doll Bottles, Inc.: *See*—
Gardel, Robert, and Gorsky. 3,245,174.

Doll, Brendan L.: *See*—
Doll, Gregory W. and B. L. 3,235,091.

Doll, Franz X., to Industrie-Werke Karlsruhe. Structure for transmitting rotary motion through a hermetically sealed space. 3,283,597, 11–8–66, Cl. 74—63.

Doll, Gregory W. and B. L. Centrifugal separator. 3,235,091, 2–15–66, Cl. 210—512.

Doll, Gunther, to AS-Motor G.m.b.H. Apparatus for dispensing liquids. 3,286,742, 11–22–66, Cl. 141—27.

Doll, Robert, and F. X Eder. Piston type cryogenic apparatus. 3,285,142, 11–15–66, Cl. 91—401.

Doll, Wilhelm: *See*—
Loh, Ernst, and Doll. 3,261,131.
Dollac Division, Jacoby-Bender, Inc.: *See*—
Brudney, Harry. 3,234,690.
Brudney, Harry. 3,252,244.
Dollar Electric Co.: *See*—
Weicht, Bruno S. 3,281,047.
Winsand, Amos O. 3,281,747.
Dollard, Peter M., to Bell Telephone Laboratories, Inc. Low energy code signaling using error correcting codes. 3,254,325, 5–31–66, Cl. 340—146.1.
Dollear, Frank G.: *See*—
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Dollheimer, Franz, to Owens-Illinois Glass Co. Apparatus for setting up folded cartons. 3,273,471, 9–20–66, Cl. 93—53.
Dollheimer, Franz, and C. G. Fletcher, to Owens-Illinois, Inc. Trip mechanism. 3,246,526, 4–19–66, Cl. 74—1.
Dollheimer, Franz, and W. McCandless, to Owens-Illinois Glass Co. Plastic bag. 3,249,285, 5–3–66, Cl. 229—53.
Dollenmayer, William L., to International Business Machines Corp. Portable dictating machine. 3,237,952, 3–1–66, Cl. 274—17.
Dollfus, Jacques, and R. Guilloteau. Process for the stratification of a body of liquid in two superposed layers and installation for the application of the process. 3,284,308, 11–8–66, Cl. 176—37.
Dolling, Jens C., to Bell Telephone Laboratories, Inc. Folded horn-reflector antenna wherein primary reflector is non-reflective at portion where specular reflection to feed would otherwise occur. 3,284,802, 11–8–66, Cl. 343—782.
Dollinger, Robert E., to Phillips Petroleum Co. Process and apparatus for fluidized bed gas-solids contacting. 3,256,612, 6–21–66, Cl. 34—10.
Dollinger, Robert E., to Phillips Petroleum Co. Wet pelleting of carbon black. 3,277,218, 10–4–66, Cl. 264—40.
Dollison, William D., to Otis Engineering Corp. Flow control valve for use in a well tubing string. 3,273,588, 9–20–66, Cl. 137—460.
Dollison, William W., and J. H. Bostock, to Otis Engineering Corp. Ball valve improvement. 3,233,860, 2–8–66, Cl. 251—62.
Dollison, William W., and D. F. Taylor, Jr. Low-pressure pilot valve. 3,273,589, 9–20–66, Cl. 137—495.
Dolliver, Morris A.: *See*—
Donovick, Richard, Heuser, and Dolliver. 3,249,601.
Dolloff, Richard T.: *See*—
Didchenko, Rostislav, Gortsema, and Dolloff. 3,254,493.
Dolman, Robert E.: *See*—
Rein, Edward N., and Dolman. 3,275,330.
Dolney, Stanley M., to The Cyril Bath Co. Draw die pre-stretch fixture employing preloaded bearings. 3,250,107, 5–10–66, Cl. 72—297.
Dolney, Stanley M., to The Cyril Bath Co. Gripping jaws for gripping sheet metal. 3,253,448, 5–31–66, Cl. 72—305.
Dolney, Stanley M., to The Cyril Bath Co. Combined drawing die press and stretch forming apparatus. 3,266,284, 8–16–66, Cl. 72—297.
Dolney Stanley M. to The Cyril Bath Co. Stretch draw press with power positioned stretch unit. 3,279,232, 10–18–66, Cl. 72—297.
Dolo Mfg. Corp.: *See*—
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Buntenbach, Friedrich and M., and Stautz. 3,276,882.
Flachsenberg, Paul, and Wuhrer. 3,232,868.
Dolph, Bryce B., J. D., and S. U., and C. E. Perito. Outrigger accessory for watercraft. 3,276,413, 10–4–66, Cl. 114—123.
Dolph, John D.: *See*—
Dolph, Bryce B., J. D., and S. U., and Perito. 3,276,413.
Dolph, Simeon U.: *See*—
Dolph, Bryce B., J. D., and S. U., and Perito. 3,276,413.
Dolphin, John R. V., to Lansing Bagnall Ltd. Industrial trucks provided with air-lift casters. 3,239,022, 3–8–66, Cl. 180—7.
Dolphin, Robert N., to Mat-Mo Holdings Ltd. Material moving apparatus. 3,270,689, 9–6–66, Cl. 103—263.
Dols, Michael J., to Stamicarbon N.V. Removal of NO from industrial gases. 3,262,751, 7–26–66, Cl. 23—2.
Dolza, John. Gear drive assembly. 3,260,125, 7–12–66, Cl. 74—229.
Dolza, John, to Fiat S.p.A. Split engine with turbocharger. 3,270,724, 9–6–66, Cl. 123—59.
Domaleski, Joseph V., to Bell Telephone Laboratories, Inc. Vapor deposition method and apparatus. 3,230,109, 1–18–66, Cl. 117—212.
Domann, Helmut, to Robert Bosch G.m.b.H. Regulator with overload protection means. 3,241,040, 3–15–66, Cl. 322—24.
Domas, Ben V., and G. B. Morse. Pneumatic door-control device. 3,287,758, 11–29–66, Cl. 16—84.
Domba, Elemer, to Nalco Chemical Co. Novel compositions and their use in preventing and inhibiting foam. 3,267,043, 8–16–66, Cl. 252—321.
Dombeck, Edward K., to The Bendix Corp. Dual cylinder brake. 3,265,164, 8–9–66, Cl. 188—152.
Dombeck, Edward K., to The Bendix Corp. Parking mechanism for dual brake. 3,292,741, 12–20–66, Cl. 188—79.
Dombeck, Edward K., to The Bendix Corp. Dual cylinder brake. 3,292,745, 12–20–66, Cl. 188—152.
Dombinski, Jersy W., to Sinclair Research, Inc. Oxidative dehydrogenation of alkenes in the presence of bismuth columbate. 3,249,647, 5–3–66, Cl. 260—680.
Dombrawski, Stanley M.: *See*—
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Dombro, Robert A., to Universal Oil Products Co. Halo-substituted tetracyanooctahydroalkanonaphthalenes. 3,274,217, 9–20–66, Cl. 260—346.2.
Dombrowski, Mitchell S.: *See*—
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Dome, Robert B., to General Electric Co. Automatic gain control circuit. 3,236,945, 2–22–66, Cl. 178—7.3.
Dome, Robert B., to General Electric Co. Stereophonic communication system. 3,240,878, 3–15–66, Cl. 179—15.
Dome, Robert B., to General Electric Co. Synchronous detector. 3,291,902, 12–13–66, Cl. 178—5.4.
Dome, Robert B., to General Electric Co. Two-stage intermediate frequency amplifier. 3,292,099, 12–13–66, Cl. 330—154.
Domeck, Corneal L., Jr., and R. Spivey, to Brown & Williamson Tobacco Corp. Automatic means for testing and assorting cigarettes according to porosity. 3,258,117, 6–28–66, Cl. 209—73.
Domen, Charles: *See*—
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Domen, Charles, A. Ryckaert, and C. Jegge, to Solvay & Cie. Stabilized chlorinated hydrocarbon compositions. 3,260,760, 7–12–66, Cl. 260—652.5.
Domen, Lucie J. H.: *See*—
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Domenico, Robert J., P. R. Low, and G. A. Maley, to International Business Machines Corp. Flow table logic. 3,241,118, 3–15–66, Cl. 340—166.
Domenighetti, Costante. Method for preventing the transmission of vibrations in the different components of a machine. 3,283,678, 11–8–66, Cl. 94—50.
Domenighetti, Domenico. Transporting and conveying device for road paving machines spreading bituminous conglomerates. 3,282,406, 11–1–66, Cl. 198—174.
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Domestic Film Products Corp.: *See*—
Seaman, Norman R. 3,250,662.
Domich, Eugene G., and R. R. Reisinger, to Anelex Corp. Temperature and pressure stabilizer systems for random access disc memory systems. 3,258,756, 6–28–66, Cl. 340—174.1.
Domicone, Joseph J., and J. E. Mounteer, to Corning Glass Works. Method for sealing cavities in articles. 3,266,964, 8–16–66, Cl. 156—69.
Domine, Daniel: *See*—
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Domingues (Agurcia), Roberto. Graphical data conversion apparatus. 3,280,461, 10–25–66, Cl. 33—18.
Dominion Auto Accessories Ltd.: *See*—
Buck, David E. 3,244,869.
Dominion Bridge Co., Ltd.: *See*—
MacKean, Raymond R. 3,232,018.
Mutch, Robert D. 3,263,965.
Dominion Electric Corp.: *See*—
Fillweber, Marcellus I. 3,256,031.
Hanner, George E. 3,292,283.
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Chatfield, Victor G. M. 3,249,363.
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Cuellet, Louis-Marie. 3,232,828.
Desbaillets, Jacques, Koeller, and Lang. 3,245,656.
Goldsmith, Philip H. 3,236,725.
Nelson, John E. 3,294,325.
Sproule, Robert S. Re. 26,095.
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Sproule, Robert S. 3,253,816.
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Lerner, Bernard J., and Lewis. 3,235,328.
Dominion Magnesium Ltd.: *See*—
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Fullbrook, Allan G. 3,271,923.
Dominion Road Machinery Co., Ltd.: *See*—
Macdonald, John G. 3,269,479.
Dominion Tar & Chemical Co., Ltd.: *See*—
Alexander, Ronald R. 3,263,719.
Alexander, Ronald R. 3,280,865.
Whittaker, Leslie. 3,251,138.
Domning, William E.: *See*—
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Dominos, Nick. Rack. 3,286,849, 11–22–66, Cl. 211—74.
Domizi, Dante J., to The Ohio Crankshaft Co. Phase and frequency conversion system. 3,295,045, 12–27–66, Cl. 321—7.
Domka, Frank S. Self-cleaning cutting die with stripper element. 3,283,630, 11–8–66, Cl. 83—124.
Domke, David R., Jr.: *See*—
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Domm, Ulrich, W. Foller, and R. Egelhofer, to Klein, Schanzlin and Becker Aktiengesellschaft. Quick acting thermostatic steam trap. 3,286,925, 11–22–66, Cl. 236—59.
Domm, Ulrich, W. Foller, and R. Egelhofer, to Klein, Schanzlin & Becker Aktiengesellschaft. Quick acting thermostatic steam trap. 3,286,926, 11–22–66, Cl. 236—59.
Dommann, Günther, E. Hoffmann, and H. Havers, to Gewerkschaft Eisenhütte Westfalia. Roof support cap for mining prop means. 3,237,903, 3–1–66, Cl. 248—357.
Domnick, Hans W. F. Two-film camera. 3,286,613, 11–22–66, Cl. 95—31.
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North, Robert E., and Domrose. 3,242,565.
Domtar Ltd.: *See*—
Ostrowski, Henry J. 3,268,495.
Tomlinson, George H., III. 3,258,390.
Don, Jules M., to The Stanley Works. Method of producing a cutting tool. 3,290,917, 12–13–66, Cl. 72—333.
Donachiue, James P., to Bay Distributors Ltd. Filter panel and frame therefor. 3,293,834, 12–27–66, Cl. 55—501.
Donaghy, Jack W.: *See*—
Bata, George L., and Donaghy. 3,234,176.
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Donahue, Edwin L., deceased; M. S. Donahue, executrix. Method of flameproofing a cellulosic textile. 3,253,881, 5–31–66, Cl. 8—116.2.
Donahue, Gary M., to Owens-Illinois, Inc. Packing element for stemware article. 3,289,829, 12–6–66, Cl. 206—65.
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Donahue, Edwin L. 3,253,881.
Donahue, Terrance D.: *See*—
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Donald, David K., R. C. Jaklevic, J. J. Lambe, and W. C. Vassell, to Ford Motor Co. Low-voltage hole-injection electroluminescence in cadmium sulphide. 3,242,366, 3–22–66, Cl. 313—108.
Donald, Harold J., to The Dow Chemical Co. Method of forming a blow molded object. 3,278,666, 10–11–66, Cl. 264—98.
Donald, Harold J., to The Dow Chemical Co. Extrusion and product. 3,279,501, 10–18–66, Cl. 138—118.
Donald, Harold J., and W. H. West, to The Dow Chemical Co. Tube extrusion apparatus. 3,292,213, 12–20–66, Cl. 18—14.
Donald, James C.: *See*—
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Donald, William: *See*—
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Donaldson, Charles A., 50% to J. D. Cavaness. Geophysical apparatus for indicating strata beneath the earth's surface including means for preventing transients from reaching the indicating means. 3,270,276, 8–30–66, Cl. 324—6.
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Beamon, Melford R., and Donaldson. 3,227,697.
Shouse, Robert P., and Donaldson. 3,267,085.
Donaldson Co., Inc.: *See*—
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Johnson, Billie L., and Boyd. 3,275,335.
Donaldson, Desmond M., to Borg-Warner Corp. Method of manufacturing a heat exchanger. 3,228,367, 1–11–66, Cl. 113—118.
Donaldson, Desmond M., to Borg-Warner Corp. Heat exchanger. 3,265,126, 8–9–66, Cl. 165—140.
Donaldson, Desmond M., to Borg-Warner Corp. Heat exchanger. 3,292,690, 12–20–66, Cl. 165—152.
Donaldson, Earl J., and J. W. Oestreich, to United States of America, Navy. Pie rotary damper. 3,285,536, 11–15–66, Cl. 244—3.21.
Donaldson, George R.: *See*—
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Bloch, Herman S., and Donaldson. 3,260,568.
Bloch, Herman S., Donaldson, and Haensel. 3,239,577.
Donaldson, George R., to Universal Oil Products Co. Method of activating oxidation catalyst compositions. 3,248,344, 4–26–66, Cl. 252—466.
Donaldson, Marcus L., to Automatic Electric Laboratories, Inc. Diode switched pad circuit. 3,288,937, 11–29–66, Cl. 179—16.
Donaldson, Raymond E.: *See*—
White, Charles C., and Donaldson. 3,245,905.
Donaldson, Raymond E., and C. C. White, to Eastman Kodak Co. Fiber treating compositions and fibers treated therewith. 3,242,074, 3–22–66, Cl. 252—8.75.
Donaldson, Raymond E., and C. C. White, to Eastman Kodak Co. Non-waterspotting backing of N,N-diethylaminoethanol salt. 3,264,246, 8–2–66, Cl. 260—29.7.
Donaldson, Robert E., R. F. Mansfield, and T. Rice, to Gulf Research & Development Co. Preparing dissimilar oils by hydrocracking. 3,285,848, 11–15–66, Cl. 208—110.
Donaldson, Robert M., to Newport News Shipbuilding and Dry Dock Co. Turbine apparatus. 3,292,901, 12–20–66, Cl. 253—117.
Donaldson, Robert W., and J. B. Justus, to Chevron Research Co. Selective zone sand control completion. 3,252,515, 5–24–66, Cl. 166—114.
Donaldson, Stanley, to Browning Industries, Inc. Straight pull bolt action rifle. 3,257,749, 6–28–66, Cl. 42—16.
Donalies, Daniel J., to Xerox Corp. Closed aerosol development. 3,276,426, 10–4–66, Cl. 118—637.
Donat, Frank J., and E. H. Baker, to The B. F. Goodrich Co. Process for polymerizing a monomeric material in the presence of an insoluble salt of a fatty acid. 3,249,594, 5–3–66, Cl. 260—84.1.
Donatelli, Walter, to Sylvania Electric Products Inc. Basing of electrical lamps and the like. 3,288,742, 11–29–66, Cl. 260—30.4.
Donath, Hans, to VEB Flugzeugwerke Dresden. Automatic regulator for machine tools and the like. 3,254,543, 6–7–66, Cl. 74—710.
Donati, Franco: *See*—
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Natta, Giulio, Farina, Donati, and Bressan. 3,280,087.
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Doncaster, Daniel P., B. B. Bauer, and A. A. Goldberg, to Minnesota Mining & Mfg. Co. Magnetic tape magazine player apparatus. 3,239,157, 3–8–66, Cl. 242—55.13.
Dondzila, Frank A.: *See*—
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Donegan, Howard M.: *See*—
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Donelson, Harlan J., Jr. Material spreading means for grain storage bins and the like. 3,248,117, 4–26–66, Cl. 275—15.
Donelson, Harlan J., Jr. Material spreader. 3,282,591, 11–1–66, Cl. 275—15.
Doner, Claude E., to Radio Corp. of America. Electron discharge device and method of making the same. 3,252,043, 5–17–66, Cl. 313—348.
Donese, George, and R. La Rosa, to Hazeltine Research Inc. Wide-band double-tuned circuit for one-port parametric amplifier. 3,231,826, 1–25–66, Cl. 330—4.9.
Donetsky Nauchno-Issledovatelsky Ugolny Institute: *See*—
Fanin, Alexey J., and Kochetkov. 3,278,802.
Donev, George S. Educational spelling toy. 3,252,230, 5–24–66, Cl. 35—9.
Donev, George S. Parking meter for prepaid parking and user identification. 3,265,178, 8–9–66, Cl. 194—54.
Dong, James, and F. Q. Hershey, to Kaiser Aluminum & Chemical Corp. Dispensing carton. 3,228,519, 1–11–66, Cl. 206—58.
Dong, James, and F. Q. Hershey, to Kaiser Aluminum & Chemical Corp. Dispenser for sheet material wound on hollow core having rotatable cap means engaging interior of core. 3,228,579, 1–11–66, Cl. 225—23.
Doniak, Michael. Water heater. 3,280,299, 10–18–66, Cl. 219—282.
Doniger, Jerry, and A. Tatz; said Doniger assor., to The Bendix Corp., and said Tatz assor., to Cutler-Hammer, Inc. Flight control system responsive to approach and flare-out bi-angular elevation transmissions. 3,266,040, 8–9–66, Cl. 343—108.
Donihi, Ronald M. Slotted top work bench. 3,289,616, 12–6–66, Cl. 108—161.
Donker, William R., to Econo-Cover, a copartnership consisting of E. Darr, W. R. Donker, and J. M. Pendergrass. Closure structure. 3,241,899, 3–22–66, Cl. 312—116.
Donkle, Lucius B., Jr., to Calumet & Hecla, Inc. Multi-wall flexible connector with interply pressurization. 3,232,640, 2–1–66, Cl. 285—93.
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Donlevy, Alfred L., to Stauffer Chemical Co. Linearly expandable filament for electron gun structure. 3,286,117, 11–15–66, Cl. 313—279.
Donley, Larry M.: *See*—
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Donlon, John J. Building wall and partition structure. 3,286,423, 11–22–66, Cl. 52—288.
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Downing, Lucien R., Jr. 3,271,920.
Donnell, Conard K., to Sun Oil Co. Freezing point analyzer. 3,250,115, 5–10–66, Cl. 73—17.
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Des Jardins, James, and Fowich. 3,277,756.
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Kile, Otho. 3,276,609.
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Kostal, Milton, and L. Kostal. 3,279,792.
Mundell, Elmore H., and Strachan. 3,229,628.
Schoenberger, Robert L. 3,292,951.
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Donnelly, John F., and R. C. Cooper, to Donnelly Mirrors, Inc. Periscopic rear view system. 3,280,700, 10–25–66, Cl. 88—72.
Donnelly, John F., and R. C. Cooper, to Donnelly Mirrors, Inc. Optically variable one-way mirror. 3,280,701, 10–25–66, Cl. 88—77.

Donnelly, John J., A. J. Grandy, and F. J. Shinaly, to United States of America, Army. Fin stabilized projectile. 3,289,587, 12–6–66, Cl. 102—49.

Donnelly, John J., Jr.: *See*—
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Donnelly, Joseph W., to Maul Bros. Inc. Long stroke single gob glassware forming machine. 3,231,355, 1–25–66, Cl. 65—167.

Donnelly, Joseph W., to Maul Brothers, Inc. Apparatus for forming glassware. 3,258,322, 6–28–66, Cl. 65—167.

Donnelly, Leo F., A. M. Fischer, and F. R. Nail, to Mack Trucks, Inc. Brake testing apparatus. 3,273,385, 9–20–66, Cl. 73—129.

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Donnelly, John F., and Johnson. 3,280,700.

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Donnelly, Thomas H., to Swift & Co. Electrophoretic fractionation of ampholytes. 3,240,692, 3–15–66, Cl. 204—180.

Donner, Meier, to Compagnie Generale de Geophysique. Control and alarm systems. 3,258,762, 6–28–66, Cl. 340—261.

Donner, Verne P. Pressure relief valve. 3,258,028, 6–28–66, Cl. 137—508.

Donofrio, Alfonso M. Method for fabricating assemblies of foamed plastic. 3,264,160, 8–2–66, Cl. 156—306.

D'Onofrio, Anthony, to Pratt & Whitney Inc. Digital output pressure transducer. 3,247,718, 4–26–66, Cl. 73—398.

Donogh, Charles W. Chaff saver for combines. 3,276,451, 10–4–66, Cl. 130—26.

Donohue, John A., and W. A. Wilson, to Standard Oil Co. Electrolytic production of ozone. 3,256,164, 6–14–66, Cl. 204—129.

Donohue, John A., and W. A. Wilson, to Standard Oil Co. Electrolytic production of oxygen difluoride. 3,276,981, 10–4–66, Cl. 204—101.

Donohue, John C.: *See*—
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Doolittle, Harold A., to Elastic Stop Nut Corp. of America. Lens and lens assemblies. 3,267,279, 8–16–66, Cl. 240—41.3.

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Doubek, Edward R., Jr., and G. H. Klenke, to Western Electric Co., Inc. Photoelectric bridge circuit with indicator compensated for non-linear input. 3,247,887, 4–19–66, Cl. 250—210.
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Douda, Bernard E., to United States of America, Navy. Plastic pyrotechnic compositions containing strontium perchlorate and acrylic polymer. 3,258,373, 6–28–66, Cl. 149—19.
Dougall, John, to Associated Electrical Industries Ltd. Tiltable X-ray examination table structure. 3,240,935, 3–15–66, Cl. 250—55.
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Dougherty, Wayne W. Loose leaf binder construction. 3,280,821, 10–25–66, Cl. 129—24.
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Douglas, Richard T., and R. R. Wisner, to American Motors Corp. Compressor mounting spring. 3,286,960, 11–22–66, Cl. 248—20.
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Douthett, Delorma M., and G. A. Mitchell, to Halstead Metal Products, Inc. Production of large diameter thin-walled tubing. 3,271,987, 9–13–66, Cl. 72—283.
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Kenaga, Eugene E. 3,264,177.
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Keskkula, Heano, and Leatherman. 3,274,144.
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Kirk, Roy C. 3,228,800.
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Klopf, Adam F. 3,235,355.
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Lalk, Robert H., Peterson, Kubisiak, and Weber. 3,234,039.
Lambert, Clarence E., and McIlheran. 3,258,433.
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Langner, Ralph R. 3,264,182.
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Larsen, Eric R. 3,244,710.
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Mason, Albert R. 3,245,407.
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McCormick, Robert J., Turnen, and Rathbun. 3,291,363.
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McIlhenny, William F. 3,260,668.
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McKennon, Keith R. 3,240,737.
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Moyle, Clarence L., and Chern. 3,256,288.
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Mussell, Dorsey R. 3,284,290.
Nacke, Kenneth F. 3,266,085.
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Nowak, Robert M. 3,270,090.
Nummy, William R. 3,245,893.
Nyquist, Richard A. 3,231,564.
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Olah, George A. 3,270,069.
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Parks, Christ F. 3,236,305.
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Partansky, Alexander M. 3,239,476.
Partansky, Alexander M. 3,252,850.
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Pawloski, Chester E. 3,231,614.
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Pawloski, Chester E. 3,236,889.
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Pawloski, Chester E. 3,288,839.
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Pledger, Huey, Jr. 3,240,763.
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Priesing, Charles P., and Mogelnicki. 3,259,570
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Redemann, Carl T. 3,234,229.
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Reifschneider, Walter, and Kelyman. 3,274,257.
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Rickard, Melvin D. 3,263,977.
Rickert, Herbert B. 3,242,126.
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Ripley, Dennis L. 3,262,904.
Roberts, Carleton W., and Haigh. 3,238,259.
Roberts, Carleton W., and Haigh. 3,263,004.
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Robinson, John L. 3,258,367.
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Rodkey, Edward G. 3,272,424.
Roenicke, Franklin W., and Hill. 3,239,479.
Root, Roland L. 3,254,719.
Rosenbaum, Shlomo, Burt, and Losser. 3,245,267.
Roth, Harold H. 3,274,419.
Rubens, Louis C. 3,285,997.
Rubens, Louis C., and Urchick. 3,275,713.
Ruffing, Norman R., Kozakiewicz, Cave, and Amos. 3,243,-481.
Russell, Joseph L. 3,272,772.
Salzinger, Carl B. 3,252,826.
Scheidt, Francis M. 3,256,334.
Schmitt, John A. 3,254,051.
Schnebelen, David F., Jr. 3,283,035.
Schurz, George F., and McKennon. 3,234,163.
Schurz, George F., and McKennon. 3,235,523.
Seeburger, Harold O., and Horsley. 3,234,102.
Senkbeil, Herman O. 3,251,675.
Seymour, Keith G., and Byrd. 3,235,366.
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Seymour, Keith G., and Harper. 3,253,985.
Simpson, Donald W. 3,231,524.
Shaw, Kernal G., and Murdock. 3,284,531.
Sheahan, James P. 3,282,008.
Sheetz, David P., and Humiston. 3,255,072.
Shulgin, Alexander T. 3,250,798.
Smith, John C., and Johnson. 3,240,376.
Smith, John C., and Miles. 3,281,491.
Snyder, Walter C. 3,248,356.
Soderquist, Frederick J., Amos, and Boyce. 3,259,666.
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Speier, John L. 3,231,594.
Spillers, Frank W. 3,261,900.
Staadt, Harold E. 3,270,816.
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Steinhauer, Alfred F., and Valenta. 3,245,914.
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Snris, Joseph P., Jr. 3,271,104.
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Teot, Arthur S. 3,236,661.
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Thomson, John E., Landry, and Zembal. 3,239,370.
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Tolkmith, Henry. 3,258,484.
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Vaught, Leonard M., and Enos. 3,268,304.
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Walker, Harold J. 3,251,194.
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Watson, John D., Sr. 3,291,844.
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White, William S. 3,240,627.
Wiggins, Glenn C. 3,275,716.
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Wilcox, Le Roy A., and Speer. 3,250,593.
Wiles, Charles R., and Hilton. 3,248,461.
Wiley, Ralph M., and Ray. 3,259,077.
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Windecker, Leo J. 3,269,887.
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Wright, Donald R. 3,282,766.
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Brown, Paul L., and Hyde. 3,235,579.
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Campbell, James K. 3,240,741.
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Green, Donald E. 3,288,754.
Haluska, Loren A. 3,246,048.
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Keil, Joseph W. 3,249,535.
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Murch, Robert M. 3,240,690.
Nelson, Lee E., and Plueddemann. 3,249,464.
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Nelson, Melvin E. 3,284,406.
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Parker, Konrad. 3,284,384.
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Stark, Forrest O., and Vogel. 3,249,585.
Stebleton, Leo F. 3,284,562.
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Vincent, Harold L. 3,258,382.
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Vukovich, John R. 3,267,522.
Weyenberg, Donald R. 3,268,570.
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Weyer, Donald E. 3,257,689.
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Dowbenko, Rostyslaw, to Pittsburgh Plate Glass Co. Disubstituted cyclopentenyl compounds. 3,256,320, 6–14–66, Cl. 260—486.
Dowbenko, Rostyslaw, to Pittsburgh Plate Glass Co. Bicyclo [3.3.0] octyl ketones and related products. 3,256,633, 6–14–66, Cl. 260—586.
Dowbenko, Rostyslaw, to Pittsburgh Plate Glass Co. Polymers of α,β-ethylenically unsaturated dicarboxylic acids or derivatives thereof and 1,5-cyclooctadiene. 3,261,815, 7–19–66, Cl. 260—78.5.
Dowbenko, Rostyslaw, to Pittsburgh Plate Glass Co. Cyclopentenyl compounds. 3,288,862, 11–29–66, Cl. 260—611.
Dowbenko, Rostyslaw, to Pittsburgh Plate Glass Co. Lower alkyl bicyclo (3.30) octane acetate derivatives. 3,293,281. 12–20–66, Cl. 260—468.
Dowbenko, Rostyslaw, and R. M. Christenson, to Pittsburgh Plate Glass Co. Reaction products of amino-s-triazine and alkylene carbonates. 3,265,668, 8–9–66, Cl. 260—77.5.
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Dowd, Edward J., and E. Cutler, to Esso Research and Engineering Co. Vaporization process. 3,288,702, 11–29–66, Cl. 208—48.
Dowd, Howard M., deceased, L. W. Temple, and State Street Bank and Trust Co., executors, and R. L. Barrows; said Temple and State Street Bank and Trust Co., and said Barrows assors. to Otis Elevator Co. Rotary bowling pin distributor with feed controlled chain drive. 3,239,221, 3–8–66, Cl. 273—43.
Dowd, Howard M., and R. L. Barrows, to Otis Elevator Co. Apparatus for processing rubber band bowling pins and balls including parallel sepaarting bars. 3,256,017, 6–14–66, Cl. 273—43.
Dowd, Howard M., deceased (W. L. Temple and State Street Bank and Trust Co., executors), R. L. Barrows, and O. A. Landry; said Barrows and Landry assors. to Otis Elevator Co. Elevator discharge orienting means operated in response to orientation of pins on the elevator. 3,272,508, 9–13–66, Cl. 273—43.
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Dowda, William E., to Gladwin Plastics, Inc. Methods of producing molded articles. 3,242,027, 3–22–66, Cl. 156—277.
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Hencke, William R., Coons, Dowden, and Green. 3,244,-628.
Dowden, Clarence L., Jr., W. R. Coons, Jr., and W. R. Hencke, to Texaco Inc. Method of grease manufacture. 3,242,086, 3–22–66, Cl. 252—41.
Dowden, Clarence L., Jr., W. R. Coons, Jr., and H. J. Pitman, to Texaco Inc. Method of grease manufacture. 3,242,087, 3–22–66, Cl. 252—41.
Dowdle, Walter F., and L. J. Wenzel, to General Electric Co. Circuit breaker assembly. 3,240,904, 3–15–66, Cl. 200—116.
Dowds, Thomas, M. W. Marcovitz, C. C. Perkins, and W. W. Phillips, to Burroughs Corp. Item-data processor. 3,238,-356, 3–1–66, Cl. 235—61.7.
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Dowell, A. Y.: *See*—
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Taylor, Frank A. 3,262,283.
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Cater, Sarah L. 3,276,036.
Dowell, Yates A., Jr.: *See*—
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Dowley, Arthur, and H. Roberts, to Service (Engineers) Ltd. Machines for finishing articles of ceramic ware. 3,239,964, 3–15–66, Cl. 51—58.
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Dowling, Arthur P., to Diamond Alkali Co. Process of applying a polyester coating to a reinforced, coated substrate. 3,284,262, 11–8–66, Cl. 156—280.
Dowling, Edward C., to AMP Inc. Magnetic core assembly method. 3,266,126, 8–16–66, Cl. 29—155.5.
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Dowling, Robert W., L. Del Riccio, and A. Goldhammer, to D and D Co., Inc. Ocular and objective shutter mechanism for laterally adjustable binoculars. 3,244,072, 4–5–66, Cl. 88—35.
Dowling, Robert W., L. Del Riccio, and A. Goldhammer, to D and D Co., Inc. Binocular having externally accessible filter guide. 3,247,763, 4–26–66, Cl. 88—35.
Dowling, Robert W., L. Del Riccio, and A. Goldhammer, to D and D Co., Inc. Focusing mechanism for a binocular telescope. 3,250,176, 5–10–66 Cl. 88—34.
Dowling, Robert W., L. del Riccio, and A. Goldhammer, to D. and D. Co., Inc. Binocular telescope with compact casing and inclined optics. 3,257,901, 6–28–66, Cl. 88—34.
Dowling, Robert W., L. del Riccio, and A. Goldhammer, to D and D Co., Inc. Binocular focusing mechanism having indexing detent. 3,266,367, 8–16–66, Cl. 88—34.
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Downer, Charles E., and A. C. Piper, to United-Carr Inc. Grommets. 3,288,407, 11–29–66, Cl. 248—56.
Downer, Frank. Theft alarm for shoplift prevention. 3,253,270, 5–24–66, Cl. 340—280.
Downer, John M., D. G. Hobbs, and D. B. Wootton, to Imperial Chemical Industries Ltd. Paper coating composition comprising pigment starch, butadiene copolymer and styrene-maleic anhydride copolymer. 3,259,596, 7–5–66, Cl. 260—17.4.
Downes, Douglas G. Linkage means. 3,248,922, 5–3–66, Cl. 72—431.
Downes, Douglas G. Machine for setting rivets. 3,257,837, 6–28–66, Cl. 72—437.
Downes, John E., and D. W. R. Headford, to Imperial Chemical Industries Ltd. 4,4′-dipyridyl di heterocyclic carbamyl methyl quaternary ammonium salts. 3,251,839, 5–17–66, Cl. 260—246.
Downes, Leonard O. Structural partitioning system. 3,255,-564, 6–14–66, Cl. 52—498.
Downes, Leonard O. Partitions with panels secured to framing members by resilient clips. 3,256,668, 6–21–66, Cl. 52—498.
Downes, Leonard O. Structural framing system. 3,265,416, 8–9–66, Cl. 189—36.
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Downey, George T., to Aero-Flow Dynamics, Inc. Centrifugal fluid purifier and filter bypass indiator combination. 3,231,182, 1–25–66, Cl. 233—2.
Downey, George T., to Aero-Flow Dynamics, Inc. Centrifugal liquid purifier. 3,235,174, 2–15–66, Cl. 233—19.
Downey, John F., and M. S. Simon, to Polaroid Corp. Novel photographic products, processes and compositions. 3,245,-790, 4–12–66, Cl. 96—29.
Downey, John F., and M. S. Simon, to Polaroid Corp. 2-substituted alkoxy-1,4-diaminoanthraquinone photographic dyestuffs. 3,246,016, 4–12–66, Cl. 260—377.
Downey, Rogers B., to Polaroid Corp. Liquid trapping means for a film pack. 3,294,538, 12–27–66, Cl. 96—76.
Downhill, Robert. Control system for surface effect machines. 3,276,738, 10–4–66, Cl. 251—298.
Downie, John A., and W. Boyd, to Colgate-Palmolive Co. Method of making a detergent press die member. 3,270,110, 8–30–66, Cl. 264—219.
Downie, Robert H., to American Can Co. Method for forming severance lines. 3,244,335, 4–5–66, Cl. 225—1.
Downie, Robert H., R. V. Hersey, and H. W. Hoftiezer, to American Can Co. Method of making a printing cylinder. 3,294,889, 12–27–66, Cl. 264—255.
Downing, Charles B. Doughnut stamp cutting machine. 3,249,980, 5–3–66, Cl. 83—152.
Downing, Denis J., and R. J. Ludwigsen, to American Can Co. Coating compositions comprising polyvinyl chloride copolymer with acrylic and urea-formaldehyde resins. 3,231,-393, 1–25–66, Cl. 99—181.
Downing, Edward T., and W. A. Bowers, to Raytheon Co. Inverted magnetron having adjacent anode cavities coupled in opposite phase to a central stabilizing cavity. 3,289,036, 11–29–66, Cl. 315—39.53.
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Crago, Richard A., Downing, and Redline. 3,271,139.
Downing, Lucien R., Jr., to Donn Products, Inc. Wall-supporting structural beam. 3,271,920, 9–13–66, Cl. 52—735.
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Davis, Leo R. 3,257,064.
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Tyler, Stanley R., and Manson. 3,265,000.
Dowty, George H., to Dowty Technical Developments Ltd. Hydraulic apparatus. 3,286,464, 11–22–66, Cl. 60—53.
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Elmer, Arthur E. H. 3,260,312.
Elmer, Arthur E. H. 3,265,047.
Kempson, Bertram C. 3,256,747.
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Lowman, Frank B. 3,283,773.
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Bolton, Douglas H. H., and Potts. 3,248,885.
Bolton, Douglas H. H., Potts, and Pawling. 3,246,730.
Cannon, Dennis H., and Farr. 3,250,507.
Mills, Joseph A. W., and Winder. 3,240,022.
Pawling, Frank, and Potts. 3,240,125.
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Potts, Michael C., and Bolton. 3,228,199.
Potts, Michael C., and Bolton. 3,228,300.
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Andrews, Thomas D. H. 3,252,298.
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Lambeth, Dennis E. 3,269,122.
Lambeth, Dennis E. 3,271,956.
Lambeth, Dennis E. 3,271,957.
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Doyl, Orville K. Pop-up valve. 3,263,243, 8–2–66, Cl. 4—203.
Doyle, Barrett, to Honeywell Inc. Vortex rate sensor. 3,240,060, 3–15–66, Cl. 73—194.
Doyle, Britton H., to Nashua Corp. Tape delivery guide and moistener devices for tape dispensers. 3,244,140, 4–5–66, Cl. 118—41.
Doyle, Carroll F., and L. O. Young, to W. R. Grace & Co. Polyoxymethylene fibers for thickening organic resins. 3,293,205, 12–20–66, Cl. 260—37.
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Doyle, Donald A., to Robertshaw Controls Co. Ambient compensated bimetal elements. 3,238,780, 3–8–66, Cl. 73—363.5.
Doyle, Donald A., to Robertshaw Controls Co. Modulating thermostat with positive action electrical contacts. 3,243,553, 3–29–66, Cl. 200—122.
Doyle, Edward J., and R. M. Pustinger, to Dynamics Corp. of America. Blender control with mechanical coupling between switch mechanism and timer drive. 3,288,951, 11–29–66, Cl. 200—35.
Doyle, Frank B. Regulator valve assembly. 3,247,865, 4–26–66, Cl. 137—484.8.
Doyle, Frank B. Tobacco moistening. 3,272,207, 9–13–66, Cl. 131—133.
Doyle, Frank J., to Miehle-Goss-Dexter, Inc. Press inking arrangement. 3,288,061, 11–29–66, Cl. 101—210.
Doyle, Frank P., and J. H. C. Nayler, to Beecham Group Ltd. 6 - (α,α,α-tri-substituted-acetamido) penicillanic acids and salts thereof. 3,245,983, 4–12–66, Cl. 260—239.1.
Doyle, George M., to Dunlop Rubber Co. Ltd. Reinforced rubber products. 3,228,824, 1–11–66, Cl. 161—241.
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Doyle, James T. Drill feed. 3,287,996, 11–29–66, Cl. 77—33.5.
Doyle, Joseph C., to Kee Lox Mfg. Co. Typewriter ribbon cartridge. 3,260,344, 7–12–66, Cl. 197—151.
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Doyle, Margaret D.: *See*—
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Doyle, Ray F., to Everhard Products Inc. Auto kick plate construction. 3,237,964, 3–1–66, Cl. 280—164.
Doyle, Raymond F., ½ to D. C. De Veibiss. Means for dispensing sheet material. 3,246,741, 4–19–66, Cl. 206—57.
Doyle, Richard H., to Fastener Corp. Fastener driving apparatus. 3,273,469, 9–20–66, Cl. 92—85.
Doyle, Richard H. Electromagnetically operated gun. 3,273,553, 9–20–66, Cl. 124—3.
Doyle, Richard H., J. S. Naber, and L. R. N. Hermann, to Fastener Corp. Energy supply circuit. 3,247,439, 4–19–66, Cl. 320—1.
Doyle, Richard H., and A. Fiedler, to Fastener Corp. Fastener driving apparatus. 3,253,760, 5–31–66, Cl. 227—120.
Doyle, Richard H., and J. F. Williams, to International Business Machines Corp. Computer including error or abnormal condition controlled immediate program interruption. 3,259,881, 7–5–66, Cl. 340—146.1.
Doyle, Richard H., L. N. Hermann, and J. S. Naber, to Fastener Corp. Controlled power supply circuit. 3,267,337, 8–16–66, Cl. 317—148.5.
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Doyle, Robert J., to Westinghouse Electric Corp. Target electrode support for a scan conversion tube. 3,254,250, 5–31–66, Cl. 313—65.
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Swezy, Montgomery C., and Doyle. 3,240,455.
Doyle, William C., Jr., to Tenneco Chemicals, Inc. Epoxy amines and their production. 3,278,530, 10–11–66, Cl. 260—240.
Doyle, William V. and M. D. Paper doll's construction having clothing with tabs releasably held between margins of front and back pieces comprising the doll's body. 3,252,243, 5–24–66, Cl. 46—157.
Doyle, Wladzia G. and C. M. Rotating liquid liquid counter and co-current exchange device with interchangeable separator. 3,254,832, 6–7–66, Cl. 233—15.
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Drabowitch, Serge V., to Compagnie Francaise Thomson-Houston. Radar systems using second-and higher-order response signals. 3,273,149, 9–13–66, Cl. 343—16.
Drach, Egon, to Societe des Ateliers Rene Halfermeyer Arena Societe Anonyme dite. Two section variable condenser 3,237,065, 2–22–66, Cl. 317—254.
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Dragich, Nicholas. Inflated toy rocket assembly. 3,229,418, 1–18–66, Cl. 46—88.
Dragone, John J., to Brunswick Corp. Pin conveying mechanism. 3,233,900, 2–8–66, Cl. 273—43.
Dragonetti, Anthony J., R. E. Stern, and C. Uguccioni, to United States of America, Army. Rotating cluster type rocket launcher. 3,263,565, 8–2–66, Cl. 89—1.804.
Dragoo, Leland L., and P. W. Goebel. Tire changing machine. 3,231,001, 1–25–66, Cl. 157—1.17.
Drahtwerk C.S. Schmidt Aktiengesellschaft: *See*—
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Rosler, Walter. 3,284,268.
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Drake, Bernard, and D. K. Hicks, to Associated Electrical Industries Ltd. Voice-frequency signal receivers as used in telephone systems. 3,229,041, 1–11–66, Cl. 179—84.
Drake, Bernard, and H. J. Sands, to Associated Electrical Industries Ltd. Arrangements for automatically identifying calling numbers and class of service of calling lines. 3,280,268, 10–18–66, Cl. 179—18.
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Chance, Leon H., Drake, and Reeves. 3,276,838.
Chance, Leon H., Reeves, and Drake. 3,268,292.
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Drake, Oscar A., and A. T. Kuryla, to Sylvania Electric Products Inc. Supporting structure. 3,244,927, 4–5–66, Cl. 313—270.
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Drake, William H. Grill. 3,285,239, 11–15–66, Cl. 126—25.
Drake, William S., to Mobil Oil Corp. Liquefied gas storage system. 3,280,575, 10–25–66, Cl. 62—54.
Drakulich, Mirko. Vertical movable log skidder with hold down means. 3,235,108, 2–15–66, Cl. 214—654.
Dralle, Wilhelm: *See*—
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Dranetz, Abraham I., to Dranetz Engineering Laboratories, Inc. System for determining the immittance vector which is the difference between an unknown immittance and a known immittance. 3,275,933, 9–27–66, Cl. 324—57.
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Dransfield, Clifford D., J. P. Woods, and T. Prickett, Jr., to The Atlantic Refining Co. Servomechanism. 3,250,980, 5–10–66, Cl. 318—470.
Dransfield, Philip B., and M. H. Watson, to Imperial Chemical Industries Ltd. Process for the manufacture of bipyridyls. 3,272,835, 9–13–66, Cl. 260—296.
Draper, Charles S., and E. B. Dane, Jr., to Massachusetts Institute of Technology. Gyroscopic apparatus and the art of employing same. 3,229,533, 1–18–66, Cl. 74—5.4.
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Brown, Ralph H., Jr. 3,258,037.
Brown, Ralph H., Jr., and Sample. 3,280,853.
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Draper, Cosby A., Jr., to General Electric Co. Gated pulse generator with time delay. 3,260,962, 7–12–66, Cl. 331—111.
Draper, Cosby A., Jr., to General Electric Co. Variable "one-shot" multivibrator. 3,294,983, 12–27–66, Cl. 307—88.5.
Draper, Marshall D., to Rexall Drug and Chemical Co. Substituted tetrahydropyridines and process therefor. 3,272,837, 9–13–66, Cl. 260—297.
Draper, Marshall D., to Rexall Drug and Chemical Co. 2-lower alkyl 1,2,3,4,4a,9c, hexahydro 9H indeno [2,1-c] pyridines. 3,274,201, 9–20–66, Cl. 260—290.
Draper, Marshall D., to Rexall Drug and Chemical Co. Substituted spirocycloalkane - 1,1' - hexahydroindenopyridines. 3,282,948, 11–1–66, Cl. 260—294.7.
Draper, Marshall D., and F. Keller, to Rexall Drug and Chemical Co. Substituted tetrahydropyridines. 3,272,838, 9–13–66, Cl. 260—297.
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Drapkin, Paul E., to Ampex Corp. Pulse counter detector. 3,231,824, 1–25–66, Cl. 329—106.
Drapkin, Paul E., to Ampex Corp. Variable delay network utilizing voltage-variable capacitors. 3,260,968, 7–12–66, Cl. 333—29.
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Draudt, Donald A. One-piece quick detachable connector. 3,250,551, 5–10–66, Cl. 285—7.
Draudt, Herbert T., ½ to D. A. Draudt. Swivel coupling for coupling flexible and rigid tubular members in end to end relationship. 3,262,718, 7–26–66, Cl. 285—7.
Draudt, Herbert T. Bearing seal. 3,276,826, 10–4–66, Cl. 308—187.2.
Drautman, James J., to Malaker Laboratories, Inc. Superconducting alternator. 3,252,018, 5–17–66, Cl. 310—16.
Drautz, Walter G., R. L. Rounds, and A. E. Herrmann, Jr., to General Aniline & Film Corp. Color for duplicating inks. 3,236,660, 2–22–66, Cl. 106—23.
Draving, Robert C., to Proctor and Schwartz, Inc. Web density control means for web forming apparatus. 3,256,569, 6–21–66, Cl. 19—156.4.
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Draxler, John A., to The Elwell-Parker Electric Co. Mechanical and vacuum operated roll handling apparatus. 3,227,299, 1–4–66, Cl. 214—653.
Draxler, John A., to The Elwell-Parker Electric Co. Dynamic braking system for industrial trucks. 3,227,938, 1–4–66, Cl. 318—261.
Drayer, Dennis E., to The Dow Chemical Co. Method for coagulation of colloidal dispersions. 3,245,970, 4–12–66, Cl. 260—91.7.
Drazdik, Hans, and E. Jacobi. Suspension ceiling. 3,264,792, 8–9–66, Cl. 52—508.
Drebes, Armin, to Andreas Stihl. Two-stroke internal combustion engine. 3,227,146, 1–4–66, Cl. 123—73.
Drechsler, Erich F.: *See*—
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Drees, Joseph M., and T. R. Sherwood, to Sylvania Electric Products Inc. Electron discharge device with apertured grid electrode of spherical shape. 3,255,374, 6–7–66, Cl. 313—308.
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Dreher, Donald F. Non-slip templates. 3,270,715, 9–6–66, Cl. 120—41.
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Dreher, George K., to Burnside Steel Foundry Co. Grate bar. 3,294,044, 12–27–66, Cl. 110—40.
Dreher, John A., to General Cigar Co., Inc. Cigar manufacture with two separate fillers. 3,232,296, 2–1–66, Cl. 131—22.
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Drehman, Lewis E., to Phillips Petroleum Co. Control of hydrogen buildup in the isomerization of hydrocarbons. 3,227,772, 1–4–66, Cl. 260—683.7.

Drehman, Lewis E., and H. J. Hepp, to Phillips Petroleum Co. Production of benzene. 3,258,503, 6–28–66, Cl. 260—668.

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Dreier, Werner F., and J. J. Wise, to Mobil Oil Corp. Production of ureas and thioureas. 3,293,293, 12–20–66, Cl. 260—552.

Dreimanis, Herbert, to Chrysler Corp. Turbine wheel. 3,255,994, 6–14–66, Cl. 253—39.

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Dresher, William H., and H. F. Reichard, to Union Carbide Corp. Sulfur treated asbestos. 3,256,106, 6–14–66, Cl. 106—288.

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Dresser, W. Robert, to Barlow Controls, Inc. Power line protecting surge current limiter for single-phase electric motors. 3,275,888, 9–27–66, Cl. 317—13.

Dresser, W. Robert, to Barlow Controls, Inc. Surge current limiter for the split phase capacitor A.C. compressor motor of a domestic air conditioner. 3,293,519, 12–20–66, Cl. 318—221.

Dressler, Hans, to Koppers Co., Inc. Separation of indenedi (beta) and indenetri (beta) propionic acids. 3,235,585, 2–15–66, Cl. 260—515.

Dressler, Philip d'H., to Pullman Inc. Tunnel kiln system. 3,249,663, 5–3–66, Cl. 264—66.

Dressler, Philip d'H., W. M. Jordan, and W. E. McEnteer, to Pullman Inc. Roller conveyor system. 3,240,315, 3–15–66, Cl. 198—85.

Drew, Adrian. Case cleaning apparatus. 3,278,971, 10–18–66, Cl. 15—304.

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Drew, Thomas C., Jr., to Westinghouse Electric Corp. Polyphase multi-element induction meter with common eddy current armature having solid and slotted laminations. 3,290,594, 12–6–66, Cl. 324—107.

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Dreyer, David L., and A. H. Allman. Screw holder and driver. 3,279,510, 10–18–66, Cl. 145—50.

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Dreyer, Roy W., to Hughes Aircraft Co. Method of assembling and interconnecting electrical components. 3,290,756, 12–13–66, Cl. 29—155.5.

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Dreyfus, Bertrand A., to Societe d'Electronique et d'Automatisme. Reusable transfer plate for making printed circuitry. 3,230,163, 1–18–66, Cl. 204—281.

Dreyfus, Bertrand A., and J. E. Martin, to Societe d'Electronique et d'Automatisme. Adjustable potentiometers for analog computers and the like. 3,230,491, 1–18–66, Cl. 338—123.

Dreyfus, Edward D., to John J. McMullen Associates, Inc. Ship stabilizer using elongated weir means. 3,272,170, 9–13–66, Cl. 114—125.

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Dreyfus, Marc G., to Barnes Engineering Co. Cooled infrared detector system with means to eliminate radiation from the instrument itself. 3,227,877, 1–4–66, Cl. 250—83.3.

Dreyfus, Marc G., and H. W. Yates, to Barnes Engineering Co. Space simulator. 3,287,956, 11–29–66, Cl. 73—1.

Dreyfus, Robert L., J. W. Harrison, and R. D. Lowry, to W. R. Grace & Co. Vacuum forming of plastic material. 3,270,104, 8–30–66, Cl. 264—92.

Dreyling, Alfred P. and L. J., to Quigley Co., Inc. High density, high refractory ceramic composition for open hearth furnace bottoms and method. 3,241,987, 3–22–66, Cl. 106—58.

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Dritz, Arthur. Hand-assembled fabric-covered buttons. 3,242,544, 3–29–66, Cl. 24—113.

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Driza, Charles E., to Chevron Research Co. Can opener and dispensing device. 3,283,958, 11–8–66, Cl. 222—83.5.

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Drobnick, James L., and C. J. Lewis, to Pennsalt Chemicals Corp. Recovery of vanadium. 3,257,164, 6–21–66, Cl. 23—22.

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Drollinger, Richard L., and J. N. Parsell, to Universal Marion Corp. Handle and dipper assembly for power shovels. 3,278,057, 10–11–66, Cl. 214—146.

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Drouard, Jean L. G., to Moteurs Drouard. Motors having an air-gap jacket in particular for central heating accelerators and other like applications. 3,229,130, 1–11–66, Cl. 310—54.

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Drugan, Wayne A., and N. M. Clark, to Drugan-Severson Inc. Display holder for shopping cart. 3,281,978, 11–1–66, Cl. 40—308.

Drugmand, Lester D., and A. C. Boggs, to Edwin L. Wiegand Co. Electric heating elements. 3,230,492, 1–18–66, Cl. 338,274.

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Judd, Claude I., Drukker, and Biel. 3,258,488.

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Drum, John J., to United States of America, Navy. Apparatus for location arcs in waveguides. 3,262,515, 7–26–66, Cl. 181—.5.

Drummond, Alan Y., to Esso Research and Engineering Co. Alkenyl succinamic acids as rust inhibitors and dispersants. 3,280,033, 10–18–66, Cl. 252—51.5.

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Drummond, Warren W., to Pittsburgh Plate Glass Co. Method and apparatus for producing fibers. 3,232,730, 2–1–66, Cl. 65—2.

Drummond, Warren W., to Pittsburgh Plate Glass Co. Method and apparatus for forming fibers. 3,256,078, 6–14–66, Cl. 65—2.

Drummond, Warren W., to Pittsburgh Plate Glass Co. Apparatus for producing glass fibers. 3,285,720, 11–15–66, Cl. 65—1.

Drummond, Warren W., to Pittsburgh Plate Glass Co. Method of and apparatus for feeding a substantially untwisted multifilament strand. 3,293,013, 12–20–66, Cl. 65—2.

Drury, James H.: *See*—
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Druskin, Bernard, to Unity Mfg. Corp. Snap clasp for jewelry bands. 3,269,145, 8–30–66, Cl. 63—4.

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Drutchas, Gilbert H., to TRW Inc. Combination pump and flow regulator. 3,253,607, 5–31–66, Cl. 137—117.

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Drysdale & Co. Ltd.: *See*—
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Dryden, Charles E., W. H. Mink, and H. Nack, to The Battelle Development Corp. Freeze-drying method under high vacuum utilizing a fluidized bed. 3,269,025, 8–30–66, Cl. 34—5.

Dryden, Hugh L., deputy administrator of the National Aeronautics and Space Administration with respect to an invention of W. W. Smith, and B. W Schmitz. Trajectory-correction propulsion system. 3,229,463, 1–18–66, Cl. 60—39.48.

Dryden, Hugh L., Deputy administrator of the National Aeronautics and Space Administration with respect to an invention of T. H. Holmes, and T. C. Walsh. Vibration damping system. 3,243,154, 3–29–66, Cl. 248—358.

Dryden, Hugh L., deputy administrator of the National Aeronautics and Space Administration with respect to an invention of S. Hansen. Fluid flow control valve. 3,270,-756, 9–6–66, Cl. 137—13.

Dryden, Hugh L, Deputy Administrator of the National Aeronautics and Space Administration with respect to an invention of G. W. Meisenholder. Roll attitude star sensor system. 3.286,953, 11–22–66, Cl. 244—1.

Dryden, Hugh L., Jr., and M. J. Kalm, to G. D. Searle & Co. Novel process for 3-oxo-$\Delta^{4,6}$ steroids. 3,270,008, 8–30–66, Cl. 260—239.55.

Dryden, Hugh L., Jr., and G. M. Webber, to G. D. Searle & Co. Process for reducing 19-methyl-1,4-dien-3-ones to corresponding 19-nor-3-oxy-1,3,5(10)-trienes. 3,274,182, 9–20–66, Cl. 260—239.55.

Dryg, Donald W., and H. W. Murphy, to FMC Corp. Apparatus and method for segregating articles. 3,236,378, 2–22–66, Cl. 209—121.

Drysdale & Co. Ltd.: *See*—
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Drysdale, John J., to E. I. du Pont de Nemours and Co. Selected fluorinated acyloins and 1,2-diketones and their preparation. 3,240,811, 3–15–66, Cl. 260—593.

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Ré, Frank M. 3,244,449.
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Dubeck, Michael, to Ethyl Corp. Fuels containing cyclomatic nickel compounds having one nickel atom. 3,244,492, 4–5–66, Cl. 44—69.

Dubeck, Michael, to Ethyl Corp. Fuels containing dicyclomatic dinickel acetylenes. 3,246,966, 4–19–66, Cl. 44—69.

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Dubin, Lester, S. Greenberg, and R. Hastings, to Lambda Electronics Corp. Means for improving constant voltage transformers. 3,237,089, 2–22–66, Cl. 323—44.

Dubin, Lester, S. Greenberg, and G. Gautherin, to Lambda Electronics Corp. Switching and flyback techniques in regulated D.C. power supplies. 3,293,532, 12–20–66, Cl. 321—18.

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Du Charme, Paul E. Automatic taper-cut hair clippers. 3,264,735, 8–9–66, Cl. 30—202.

Du Charme, Paul E. Hair clipper with cut regulator indicator. 3,287,805, 11–29–66, Cl. 30—202.

Duchesne, Normand, 49% to Dr. R. Davidson. Hand-power tool. 2,232,149, 2–1–66, Cl. 81—57.

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Ducuing, Jacques, and J. C. Simon, to Compagnie Generale de Telegraphie Sans Fil. Sound wave radiator devices. 3,285,-362, 11–15–66, Cl. 181—.5.

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Dudley, Richard H., to Esso Research and Engineering Co. Vulcanization of halogenated butyl rubber polymers. 3,255,-154, 6–7–66, Cl. 260—78.4.

Dudley, Robert L., and S. H. Linkwitz, to Hewlett-Packard Co. Power leveler indicator having an oscillator monitored feed back circuit. 3,286,247, 11–15–66, Cl. 340—248.

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Duennenberger, Max, H. R. Biland, and C. Luethi, to Ciba Ltd. Hydroxyphenyl-1,3,5-triazines. 3,244,708, 4–5–66, Cl. 260—248.

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Duennenberger, Max, H. R. Biland, C. Luethi, and M. Schellenbaum, to Ciba Ltd. Hydroxyphenyl-1,3,5-triazines. 3,293,-247, 12–20–66, Cl. 260—248.

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Dueringer, Erwin G., and C. H. Johnson, to Oscar Mayer & Co. Inc. Apparatus for cutting wrapping material and placing cut sheets in packaging forms. 3,244,080, 4–5–66, Cl. 93—1.

Dueringer, Erwin G., and C. H. Johnson, to Oscar Mayer & Co. Inc. Apparatus for placing cut sheets in packaging forms. 3,269,277, 8–30–66, Cl. 93—1.

Duerme, Francisco M. Infant nurser. 3,243,069, 3–29–66, Cl. 215—11.

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Dufendach, William R., and K. R. Blanding, to Vari-Tech Co. Differential amplifier including cross-coupling means and an adjustable dead band. 3,255,419, 6–7–66, Cl. 330—13.

Duff, Alan A., and N. G. Hayward, to Cooke Engineering Co. Tubular dropper for micro-titration. 3,276,847, 10–4–66, Cl. 23—292.

Duff, David L. A., to Canadian Westinghouse Co., Ltd. Complementary transistor amplifier including input impedance increasing feedback means. 3,292,095, 12–13–66, Cl. 330—17.

Duff, Jack E., to The Hoover Co. Method of making an extensible reinforced hose. 3,290,196, 12–6–66, Cl. 156—144.

Duff, Joseph H., and E. Salem, to Union Tank Car Co. Upflow regeneration method. 3,240,699, 3–15–66, Cl. 210—35.

Duff, Joseph H., and A. J. Soriente, to Union Tank Car Co. Filter. 3,260,366, 7–12–66, Cl. 210—80.

Duff, Richard D., to Owens-Illinois Glass Co. Method of electrostatic screen printing. 3,241,483, 3–22–66, Cl. 101—129.

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Kindersley, Charles R. D., and Duffield. 3,287,529.

Duffield, Joseph F., and C. R. D. Kindersley, deceased (by The Royal Trust Co., administrator), to Smith & Stone Ltd. Lampholder with current tap. 3,288,959, 11–29–66, Cl. 200—51.14.

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Duffy, James J., and R. L. Leonard, to Ford Motor Co. Inhibitor valve governor. 3,279,486, 10–18–66, Cl. 137—54.

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Duffy, Roy, and A. H. McQuillan, to Imperial Chemical Industries Ltd. Process for the manufacture of bipyridyls. 3,272,836, 9–13–66, Cl. 260—296.

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Duggan, Kenneth E., and C. H. Byrne, to General Foods Corp. Process for preparing frozen mushrooms. 3,231,-395, 1–25–66, Cl. 99—193.

Duggan, Robert B., to American Radiator & Standard Sanitary Corp. Carrier. 3,286,280, 11–22–66, Cl. 4—252.

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Dugger, Ralph L. Door. 3,280,508, 10–25–66, Cl. 49—200.

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Dugle, Thomas E., and R. W. Wagner, to Warrick Equipment Corp. Card feeding apparatus for a packaging machine. 3,251,172, 5–17–66, Cl. 53—195.

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Duhl, Daniel, to Indian Head Mills, Inc. Fabric containing elastomeric filler and method. 3,274,806, 9–27–66, Cl. 66—192.

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Duinker, Simon, J. Bos, and M. J. J. Schoones, to North American Philips Co. Inc. Method of manufacturing magnetic heads having very short gap lengths. 3,233,308, 2–8–66, Cl. 29—155.5.

Duinker, Simon, and J. Bos, to North American Philips Co., Inc. Magnetic heads with means for preventing side erosion. 3,249,700, 5–3–66, Cl. 179—100.2.

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Duke, James B., to Minerals & Chemicals Philipp Corp. Floor cleaner product and method for making same from attapulgite clay. 3,244,634, 4–5–66, Cl. 252—88.

Duke, James B., to Minerals & Chemicals Philipp Corp. Sorbent products and method for making same from attapulgite clay. 3,244,635, 4–5–66, Cl. 252—89.

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Du Temple de Rougemont, Christian M. G. and M. Stapfer; said Stapfer assor. to said du Temple de Rougemount. Assembly mounting and interlocking means for plural pushbutton switches. 3,259,699, 7–5–66, Cl. 200—5.

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Du Vivier, Charles L., to Laboratory for Electronics, Inc. Traffic actuated control system. 3,241,108, 3–15–66, Cl. 340—37.

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Eddy, Roger C., to Wheeling Stamping Co. Linerless screw closure for containers. 3,255,907, 6–14–66, Cl. 215—40.

Eddy, William C., Jr., to Television Associates of Indiana, Inc. Aerial survey system. 3,235,873, 2–15–66, Cl. 346—8.

Ede, Ainsley N., to National Research Development Corp. Method and apparatus for forming strip material into tube. 3,250,077, 5–10–66, Cl. 61—72.6.

Ede, John H., A. S. Pratt, and B. C. Sewell, to Rank Organisation Ltd. Data processing apparatus. 3,273,450, 9–20–66, Cl. 88—24.

Edelblut, Johann, to A. Fetz. Brake light switch. 3,270,317, 8–30–66, Cl. 340—71.

Edelhauser, Helmut: *See*—
Breitenbach, Johann W., and Edelhauser. 3,247,174.

Edelman, David J., S. M. Kaye, and E. L. Barrieres, to United States of America, Army. Pyrotechnic fuse system. 3,272,126, 9–13–66, Cl. 102—70.

Edelman, Helen, to Kordaway Co., Inc. Electric cord take-up apparatus. 3,266,760, 8–16–66, Cl. 248—51.

Edelman, Jules. Carton closure. 3,229,891, 1–18–66, Cl. 229—39.

Edelman, Milton B., to General Dynamics Corp. Fanning strip for electrical conductors. 3,260,793, 7–12–66, Cl. 174—135.

Edelman, Walter E., and D. J. Sutton, to Honeywell Inc. Control apparatus. 3,284,002, 11–8–66, Cl. 236—1.

Edelson, Leo, and J. Maca. Tensioning device for fabric covers. 3,256,038, 6–14–66, Cl. 297—226.

Edelson, Norman M.: *See*—
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Edelstein, Albert, and A. N. Montgomery, to Syncro-Mist Controls, Inc. Spray dispenser. 3,228,609, 1–11–66, Cl. 239—70.

Edelstein, Carlyle A. Apparatus for grinding contact lenses. 3,258,879, 7–5–66, Cl. 51—124.

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Eden, Jamal S., to The B. F. Goodrich Co. Method of preparing acrylonitrile. 3,290,354, 12–6–66, Cl. 260—465.3.

Edenborough, Harry K., to Bell Aerospace Corp. Control lag compensator for rotary wing aircraft. 3,228,478, 1–11–66, Cl. 170—160.26.

Edens, William L.: *See*—
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Eder, Felix, to Siemens & Halske Aktiengesellschaft. Permanent magnet system for focusing an electron beam. 3,241,007, 3–15–66, Cl. 317—200.

Eder, Franz X.: *See*—
Doll, Robert, and Eder. 3,285,142.

Eder, Franz X., to Bendix Balzers Vacuum, Inc. Cryo-pumps. 3,252,291, 5–24–66, Cl. 62—55.5.

Eder, Franz X., to Bendix-Balzers Vacuum, Inc. High vacuum cryopumps. 3,263,434, 8–2–66, Cl. 62—55.5.

Eder, Harold R. Dispenser for roll paper. 3,273,773, 9–20–66, Cl. 225—17.

Eder, Heinz, and H. Franz, to Wacker-Chemie G.m.b.H. Silicone treatment for paper. 3,230,289, 1–18–66, Cl. 264—216.

Edera, Eugene. Hydraulic lifting device. 3,286,985, 11–22–66, Cl. 254—2.

Ederer Corp.: *See*—
Pearson, Bernard A. 3,237,718.

Edgar, Donald E., and L. C. Kenausis, to Anaconda American Brass Co. Process of electroforming using benzotriazole as the stripping agent. 3,281,339, 10–25–66, Cl. 204—3.

Edgar, John B. Collapsible automatic fish scaler. 3,233,279, 2–8–66, Cl. 17—5.

Edgar, Norman. Panel assembly joint. 3,236,014, 2–22–66, Cl. 52—270.

Edge, Leonard, to Spot-O-Gold Corp. Business bonus card. 3,281,165, 10–25–66, Cl. 283—6.

Edge, Ronald F.: *See*—
Murthy, Panchagnula S., and Edge. 3,231,339.

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Edgemond, John W., Jr., to FMC Corp. Operating control for hydraulically powered fruit harvesting machine. 3,252,540, 5–24–66, Cl. 180—77.

Edgerton, Albert K. Photoelectric sine wave generator. 3,241,036, 3–15–66, Cl. 321—34.

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Durke, Robin K., and Luca. 3,229,097.
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Goldberg, Seymour, and Weiner. 3,280,361.
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Lucas, Louis, Jr. 3,292,049.
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Edgerton, John W. Sub soil irrigating means. 3,289,418, 12–6–66, Cl. 61—13.

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Hanmore, Maurice R. 3,257,670.

Edgren, Harry C., and L. L. Sevebeck, to Western Electric Co., Inc. Translator Circuit. 3,229,279, 1–11–66, Cl. 340—347.

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Edick, John D., to Reliance Electric and Engineering Co. Dynamoelectric machine cooling. 3,250,933, 5–10–66, Cl. 310—105.

Edick, John D., to Reliance Electric and Engineering Co. Coil construction. 3,283,188. 11–1–66, Cl. 310—105.

Edick, John D., to Reliance Electric and Engineering Co. Tachometer generator. 3,294,995, 12–27–66, Cl. 310—95.

Edinburgh Pharmaceutical Industries Ltd.: *See*—
Hay, Jessie E. 3,268,577.

Edis, Edward A., and R. V. Turner, deceased (by R. S. Turner, administrator), to A. C. Cossor Ltd. Location and repair of faults in electrical conductors. 3,289,076, 11–29–66, Cl. 324—67.

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Batosti, Mario, and Belloni. 3,274,317.
Borsini, Giancarlo, Ragazzini, and Peron. 3,255,168.
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Neagle, Richard. 3,274,741.
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Edison, David H., to E. I. du Pont de Nemours and Co. Process of producing stabilized polycarbonamides containing a metal chelate of 8-hydroxyquinoline. 3,272,773, 9–13–66, Cl. 260—45.75.

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Edkins, Denis P., to General Electric Co. Thrust reverser and deflector. 3,292,864, 12–20–66, Cl. 239—265.19.

Edler, Otto E. A., and C. V. Jones, Sr., to Southern Machinery Co. Apparatus for rewinding builder chain of spinning machine. 3,270,972, 9–6–66, Cl. 242—26.1.

Edlund, Carl E.: *See*—
King, James D., and Edlund. 3,288,569.

Edlund, Milton C.: *See*—
Jens, Wayne H., Edlund, Barringer, Davidson, Klotz, Nims, Miller, and Palmer. 3,260,649.

Edlund, Milton C., and D. C. Schluderberg, Donald C., to The Babcock & Wilcox Co. Nuclear reactor and method of operating to variably moderate and control same. 3,247,072, 4–19–66, Cl. 176—42.

Edman, Carl A., and P. Kranz, to General Electric Co. Hair curling and drying apparatus with magnetic coupling. 3,265,075, 8–9–66, Cl. 132—9.

Edmark, Karl W., Jr., to Physio-Control Co., Inc. Blood pressure and heart beat pulse rate measuring system. 3,229,686, 1–18–66, Cl. 128—2.05.

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Edmisten, John H. Control system for ice machine. 3,274,791, 9–27–66, Cl. 62—137.

Edmond, Tibor O., J. O. Thieme, and R. L. Every, to Continental Oil Co. Controlled temperature and pressure valve. 3,252,768, 5–24–66, Cl. 23—292.

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Helvenston, Edward P., Dahms, and Edmonds. 3,278,234.

Edmonds, Byron P., J. B. Dahms, and E. P. Helvenston, to Pittsburgh Plate Glass Co. Mining method. 3,236,564, 2–22–66, Cl. 299—4.

Edmonds, Byron P., and J. B. Dahms, to Pittsburgh Plate Glass Co. Solution mining of potassium chloride. 3,262,741, 7–26–66, Cl. 299—4.

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Edmonds, James T., Jr., to Phillips Petroleum Co. Production of polypropylene. 3,280,092, 10–18–66, Cl. 260—93.7.

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Edmonds, William H., ½ to W. D. Edmonds, and ½ to W. R. Edmonds. Independently movable trailer tongue section. 3,279,819, 10–18–66, Cl. 280—478.
Edmunds, Alvin M., to The Dow Chemical Co. Method of pelleting pentachlorophenol. 3,231,641, 1–25–66, Cl. 264—13.
Edmunds, Alvin M., to The Dow Chemical Co. Corrosion resistant epoxy resin aggregate compositions and porous article made therefrom. 3,251,786, 5–17–66, Cl. 260—2.5.
Edmunds, Arthur G. W., to Elliot Bros. (London) Ltd. Information storage systems. 3,261,002, 7–12–66, Cl. 340—174.
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Edsall, William S., to The Chase-Shawmut Co. Load-break disconnect with pivotal fuses having pivotal support means. 3,227,843, 1–4–66, Cl. 200—114.
Edson, Edward J., to Continental Motors Corp. Dispersing method and apparatus. 3,282,487, 2–1–66, Cl. 222—70.
Edson, James O., and L. C. Thomas, to Bell Telephone Laboratories, Inc. FDM data trunking system having a common TDM supervisory channel. 3,261,922, 7–19–66, Cl. 179—15.
Edson, William A., to General Electric Co. High speed information storage system. 3,277,450, 10–4–66, Cl. 340—173.
Edström, John O., and A. V. Bernstein, to Sandvikens Jernverks Aktiebolag. Corrosion resistant edge tool and method of making the same. 3,281,287, 10–25–66, Cl. 148—12.4.
Edström, Nils H., and K. Katzeff, to Telefonaktiebolaget L M Ericsson. Inter-register signalling for electronic telephone system. 3,231,677, 1–25–66, Cl. 179—18.
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Edward Valves, Inc.: *See*—
Porwit, Antoni J., and Paptsun. 3,245,427.
Edwarde, Leo K., to Grove Valve and Regulator Co. Gate valve. 3,249,117, 5–3–66, Cl. 137—315.
Edwardh, Karl I. Dosage apparatus. 3,275,019, 9–27–66. Cl. 137—99.
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Edwards, Aubrey T. Bundled conductor spacer damper. 3,260,789, 7–12–66, Cl. 174—42.
Edwards, Bryant, to Illinois Tool Works, Inc. Method for producing thin wall, indented bottom thermoplastic containers. 3,234,310, 2–8–66, Cl. 264—93.
Edwards, Bryant, to Illinois Tool Works Inc. Closure for coin feeding. 3,237,800, 3–1–66, Cl. 220—60.
Edwards, Bryant, to Illinois Tool Work Inc. Stackable container having lip with formed undercuts. 3,237,803, 3–1–66, Cl. 220—97.
Edwards, Bryant, to Illinois Tool Works Inc. Method and apparatus for separating stacked, telescoped lids. 3,272,384. 9–13–66, Cl. 221—1.
Edwards, Bryant, to Illinois Tool Works Inc. Thin walled plastic articles and forming same. 3,284,553, 11–8–66, Cl. 264—89.
Edwards, Charles F., to Bell Telephone Laboratories, Inc. Adjustable impedance matching transformers. 3,264,584, 8–2–66, Cl. 333—33.
Edwards, Charles L. Peanut digger, shaker, reshaker, and inverter. 3,260,314, 7–12–66, Cl. 171—101.
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Lanigan, Michael J., and Edwards. 3,248,565.
Edwards, David L. Holder and dispenser for longitudinally disposed material. 3,265,201, 8–9–66, Cl. 206—56.
Edwards, Douglas A., and J. H. Field to Birfield Engineering Ltd. Shaft couplings. 3,279,215, 10–18–66, Cl. 64—4.
Edwards, Douglas C., to Polymer Corp. Butyl rubber-polyethylene compositions. 3,265,770, 8–9–66, Cl. 260—889.
Edwards, Douglas C., and J. Walker, to Polymer Corp. Ltd. Butyl rubber-polyolefine blends. 3,262,997, 7–26–66, Cl. 260—889.
Edwards, Edgar B.: *See*—
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Edwards, Gayle D., and H. V. Moore, to Jefferson Chemical Co., Inc. Method of inhibiting corrosion of oil well equipment. 3,231,493, 1–25–66, Cl. 252—8.55.
Edwards, George C.: *See*—
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Edwards, George J., and W. G. James, to General Electric Co. Electric incandescent lamp and manufacture thereof. 3,253,179, 5–24–66, Cl. 313—318.
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Edwards, James W., and A. H. Herzog, to Monsanto Co. Method for making tetrasodium pyrophosphate. 3,230,041, 1–18–66, Cl. 23—107.
Edwards, Jesse B. Firearm recoil reducer. 3,290,815, 12–13–66, Cl. 42—74.
Edwards, Joe E., Jr., to Brown Oil Tools, Inc. Retrievable packer and anchor apparatus. 3,265,132, 8–9–66, Cl. 166—120.
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Bowers, Albert, and Edwards. 3,257,388.
Bowers, Albert, Edwards, and Crabbe. 3,230,217.
Bowers, Albert, Edwards, and Ladabaum. 3,278,528.
Bowers, Albert, Edwards, and Orr. 3,239,542.
Bowers, Albert, Edwards, and Orr. 3,236,866.
Ringold, Howard J., and Edwards. 3,235,466.
Williams, David W., Edwards, and Shilling. 3,235,466.
Edwards, John. Electrical plug and socket couplings. 3,235,831, 2–15–66, Cl. 339—61.
Edwards, John, to Syntex Corp. Process for the production of 19 nor-androstanes and 19 nor-pregnanes. 3,254,098, 5–31–66, Cl. 260—397.3.
Edwards, John, to Syntex Corp. 2-methylene-3β,17β-dihydroxy androstanes and process therefor. 3,280,158, 10–18–66, Cl. 260—397.5.
Edwards, John, and A. D. Cross, to Syntex Corp. Process for the preparation of 11-desoxy-5α,9β,10α-steroids. 3,277,127, 10–4–66, Cl. 260—397.5.
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Edwards, Lawrence J., and W. V. Hough, to Callery Chemical Co. Triborane (7) compounds and method of preparing same. 3,281,218, 10–25–66, Cl. 23—358.
Edwards, Leonard M., and O. E. Leoffler, to M.T. Chemicals Inc. Liquid anhydrous stannous soap compositions. 3,262,889, 7–26–66, Cl. 252—431.
Edwards, Lindell N., to Commander Board International Inc. Display signs. 3,289,340, 12–6–66, Cl. 40—143.
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Hagemeyer, Hugh J., Jr., Blood, and Edwards. 3,262,994.
Hagemeyer, Hugh J., Jr., Blood, and Edwards. 3,274,296.
Hagemeyer, Hugh J., Jr., Blood, and Edwards. 3,274,297.
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Edwards, Miles L., and A. Starr, to Edwards Laboratories, Inc. Aorta valve with expansible suturing ring. 3,263,239, 8–2–66, Cl. 3—1.
Edwards, Philip, to H. L. Alter. Surfboard. 3,276,050, 10–4–66, Cl. 9—310.
Edwards, Ray C. Heating and cooling system and apparatus for enclosures. 3,244,223, 4–5–66, Cl. 165—22.
Edwards, Richard A., to Roto-Stamp Corp. Stamp dispenser. 3,255,941, 6–14–66, Cl. 226—76.
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Edwards, Robert E., to The Roy M. Moffitt Co. Fume incineration system. 3,251,656, 5–17–66, Cl. 23—277.
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Edwards, Roy E., to Girling Ltd. Automatic screw adjuster. 3,237,730, 3–1–66, Cl. 188—196.
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Edwards, Wallace B., Jr., to Control Data Corp. Magnetic tape capstan system. 3,268,139, 8–23–66, Cl. 226—7.
Edwards, Walter M., to E. I. du Pont de Nemours and Co. Polyimide containing TiO$_2$ articles, and process of making. 3,287,311, 11–22–66, Cl. 260—37.
Edwards, William A. Animal commode. 3,276,427, 10–4–66, Cl. 119—1.
Edwards, William C. Speed and acceleration responsive motor control system. 3,242,409, 3–22–66, Cl. 318—325.
Edwards, William C. Extended stereophonic systems. 3,246,081, 4–12–66, Cl. 179—1.
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Edwards, William R., to United States of America, Navy. Air delivery apparatus and method. 3,276,367, 10–4–66, Cl. 102—7.2.
Edwards, William R., R. D. Wesselhoft, and T. B. Everage, to Esso Research and Engineering Co. Regeneration of isobutylene. 3,234,299, 2–8–66, Cl. 260—677.
Edwards, William R., R. D. Wesselhoft, and B. B. Williams, to Humble Oil & Refining Co. Process for producing 2-methyl-2-pentene. 3,268,616, 8–23–66, Cl. 260—683.2.
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Edwards, William R., R. D. Wesselhoft, and W. N. Mitchell, to Esso Research and Engineering Co. Production of 3-methyl-1-butene. 3,284,535, 11–8–66, Cl. 260—683.2.
Eekhout, Frederik J. Contact screen and printing member produced therefrom. 3,249,437, 5–3–66, Cl. 96—45.
Eells, Rex, and M. O. Brunson, to Eastman Kodak Co. Hot melt adhesive for bookbinding based on the copolymers of butene-1 and propylene. 3,278,504, 10–11–66, Cl. 260—88.2.
Eenshuistra, Jan, B. H. Huibers, and L. H. Van Helden, to Chemische Fabriek L. Van Der Griten N.V. Light-sensitive diazotype material and diazo compounds. 3,290,150, 12–6–66, Cl. 96—49.
Efird, Starling T. Combination face veneer assembler. 3,274,044, 9–20–66, Cl. 156—556.
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Eickmann, Karl. Combustion engine of the rotary vane type. 3,254,489, 6–7–66, Cl. 60—39.61.

Eickmann, Karl. Rotary machine having vanes. 3,255,705, 6–14–66, Cl. 103—138.

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Eickmann, Karl. Rotary pump and fluid motor and sealing means therefor. 3,256,831, 6–21–66, Cl. 103—136.

Eickmann, Karl. Combustion engine for conveying a hydraulic pressure medium. 3,260,213, 7–12–66, Cl. 103—54.

Eickmann, Karl. Guided helicopter. 3,260,479, 7–12–66, Cl 244—17.13.

Eickmann, Karl. Rotary vane machine. 3,263,621, 8–2–66, Cl. 103—136.

Eickmann, Karl. Combustion engine for conveying a hydraulic pressure medium. 3,269,321, 8–30–66, Cl. 103—54.

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Eickmann, Karl. Rotary vane unit. 3,269,371, 8–30–66, Cl. 123—8.

Eickmann, Karl. Rotary radial piston machine. 3,270,685, 9–6–66, Cl. 103—161.

Eickmann, Karl. Rotary vane combustion engine. 3,273,342, 9–20–66, Cl. 60—39.63.

Eickmann, Karl. Rotary multi-flow pump or compressor. 3,273,511, 9–20–66, Cl. 103—161.

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Eickmann, Karl. Rotary radial piston machine with enlarged piston stroke. 3,277,834, 10–11–66, Cl. 103—161.

Eickmann, Karl. Rotary machine. 3,280,757, 10–25–66, Cl. 103—162.

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Eifrid, Stephen L. Shipping container for books and the like. 3,227,356, 1–4–66, Cl. 229—37.

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Eigen, David, to The Okonite Co. Apparatus and method utilising non-conductive tube means containing an ionized gas for corona testing of insulated electrical cables. 3,263,-166, 7–26–66, Cl. 324—54.

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Eigenmann, Gino L. Road marking equipment. 3,235,436, 2–15–66, Cl. 156—523.

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Eisenberg, Irwin W., to Phaostron Instrument and Electronic Corp. Meter mount. 3,232,566, 2–1–66, Cl. 248—27.

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Eisenhauer, Roger A., and R. E. Beal, to United States of America, Agriculture. Multiple hydrogenation insert. 3,261,669, 7–19–66, Cl. 23—253.

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Eisenhauer, William A., to W. A. Eisenhauer, W. P. Ellwood, and I. J. and L. Eisenhauer, d.b.a. The Eisenhauer Mfg. Co. Apparatus for providing a representation of celestial bodies. 3,290,799, 12–13–66, Cl. 35—44.

Eisenkraft, Bernard J. Low flow liquid fuel burner. 3,263,-732, 8–2–66, Cl. 158—77.

Eisenlohr, Karl-Heinz, K. Grob, and W. Herbert, to Metallgesellschaft Aktiengesellschaft. Process for producing pure phenols from their mixtures with neutral oils. 3,277,185, 10–4–66, Cl. 260—627.

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Eisner, Edward, to Bell Telephone Laboratories, Inc. Torsional wave, fourier type, mechanical amplitude transformer. 3,252,335, 5–24–66, Cl. 74—1.

Eisner, Edward, to Bell Telephone Laboratories, Inc. Fourier type mechanical amplitude transformers. 3,252,336, 5–24–66, Cl. 74—1.

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Eissfeldt, Erich, F. Reinecke, F. Schulze, H. Kuchenbecker, and G. Teichmann, to Siemens & Halske Aktiengesellschaft. High-speed printer operatively controlled by mechanical impulses. 3,255,693, 6–14–66, Cl. 101—93.

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Eissmann, Oswald E., to American Machine & Foundry Co. Tobacco feed to cigarette machine. 3,244,182, 4–5–66, Cl. 131—64.

Eitel, Jay M., to Telsta Corp. A.C. generator-fed variable frequency motor control mechanism for an aerial lift. 3,271,645, 9–6–66, Cl. 318—148.

Eitel, Jay M., to Telsta Corp. Apparatus and method for lashing and placing aerial cable and strand. 3,279,758, 10–18–66, Cl. 254—134.3.

Eitel, Jay M., to Telsta Corp. Apparatus for placing aerial flexible elongate members. 3,291,256, 12–13–66, Cl. 182—129.

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Eiter, Karl, H. Oediger, R. Lorenz, and E. Stein, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of 4-[2',6',6'-trimethylcyclohexen-(1')-yl]-2-methylbuten-(3)-al-(1). 3,246,038, 4–12–66, Cl. 260—598.

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Brown, Warren B., Eklof, and Roskelley. 3,251,506.

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Ekstrom, Regner A., Jr. Surface temperature thermocouple fixture. 3,282,107, 11–1–66, Cl. 73—355.
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Elam, James O. Breathing valve. 3,279,487, 10–18–66, Cl. 137—63.
Elam, William B., to American Can Co. Tube handling apparatus. 3,263,825, 8–2–66, Cl. 214—1.
Elam, William B., to American Can Co. Container and manufacture thereof. 3,280,709, 10–25–66, Cl. 93—94.
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Elias, Robert T., to Continental Can Co., Inc. Two opposed recessed end panel carton with closure flaps. 3,240,418, 3–15–66, Cl. 229—37.
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Elias, Robert T., to Continental Can Co., Inc. Two opposed recessed end panel carton with closure flaps. 3,291,370, 12–13–66, Cl. 229—37.
Elias, William H., to General Electric Co. Stereophonic indicator and automatic switching means. 3,294,916, 12–27–66, Cl. 179—15.
Eliassen, Gunnar T., to Aktiebolaget Electrolux. Conveyor transfer system. 3,239,054, 3–8–66, Cl. 198—21.
Eliasson, Karl-Erik, to Nord-Verk, AB. Adjustable back support. 3,255,468, 6–14–66, Cl. 5—327.
Eliason Refrigerator Co.: *See*—
Carey, Russell N. 3,289,244.
Elie, George T., to Radio Corp. of America. Method of fabricating semiconductor devices. 3,264,707, 8–9–66, Cl. 29—25.3.
Elin-Union Aktiengesellschaft fur Elektrische Industrie: *See*—
Lehmann, Alfred, and Pusterhofer. 3,243,748.
Elineau, Hubert J., to Societe Pour l'Etude et la Construction d'Installations Metallurgiques. Apparatus for separating and counting bars or other rolled products. 3,244,-365, 4–5–66, Cl. 235—98.
Elineau, Hubert J., to Societe Pour l'Etude et la Construction d'Installations Metallurgiques. Flying shear with constantly oriented tool and miscut features. 3,269,245, 8–30–66, Cl. 83—305.
Elins, Herbert S., to Eastman Kodak Co. Enhanced activity of nuclei for physical development. 3,291,608, 12–13–66, Cl. 96—66.
Elion, Gertrude B.: *See*—
Hitchings, George H., and Elion. 3,242,180.
Hitchings, George H., and Elion. 3,271,399.
Hitchings, George H., Elion, and Goodman. 3,232,937.
Hitchings, George H., Elion, and Goodman. 3,232,938.
Hitchings, George H., Elion, and Goodman. 3,238,207.
Elion, Gertrude B., to Burroughs Wellcome & Co. (U.S.A.) Inc. 2,4-diamino-6-hydroxymethyl-7,8-dihydropteridine. 3,242,-178, 3–22–66, Cl. 260—251.5.
Elitex, Sdruženi podniku textilního strojírenství: *See*—
Cech, Miloslav. 3,292,230.
Kotik, Miroslav. 3,287,994.
Kubelka, Alois, Opatril, and Kubelka. 3,263,707.
Svaty, Vladimir, and Pavlu. 3,260,283.
Taticek, Lubomir. 3,242,949.
Elkhart Brass Mfg. Co., Inc.: *See*—
Thompson, William S. 3,241,772.
Thompson, William S. 3,244,376.
Elkind, Vincent T.: *See*—
Gagliardi, Domenick D., and Elkind. 3,246,002.
Elkins, Edward L. Anchor bolt with spring actuated toggle head. 3,285,118, 11–15–66, Cl. 85—3.
Elkner, Edward J., to Philip Morris, Inc. Dispensing package. 3,255,874, 6–14–66, Cl. 206—56.
Elks, Joseph: *See*—
Eardley, Stephens, Sly, Hems, Elks, Evans, and Long. 3,231,571.
Hems, Benjamin A., Arkley, Gregory, Webb, Elks, and Tomich. 3,236,920.

Ell, George E., to Liberty Mfg. Co. of Tex. Method of providing paramin scrapers on sucker rods. 3,251,919, 5–17–66, Cl. 264—251.
Ellcon-National, Inc.: *See*—
Mercereau, Everard C. 3,238,810.
Elledge, Vernie A., and R. G. Bradshaw, to Thiokol Chemical Corp. Work-holding and feeding device for looping rope. 3,262,408, 7–26–66, Cl. 112—136.
Ellegast, Konrad: *See*—
Muller, Erwin, Ellegast, and Wilms. 3,245,956.
Reischl, Artur, Simmler, Muller, and Ellegast. 3,243,-475.
Ellegast, Konrad, E. Muller, and H. Holtschmidt, to Farbenfabriken Bayer Aktiengesellschaft. Cross-linking polyurethane castings with secondary and tertiary alcohols. 3,236,811, 2–22–66, Cl. 260—75.
Ellegast, Konrad, A. Reischl, and E. Muller, to Farbenfabriken Bayer Aktiengesellschaft. Polyurethanes from a three-component prepolymer. 3,274,160, 9–20–66, Cl. 260—77.5.
Elleman, Daniel D.: *See*—
Hildebrandt, Alvin F., Elleman, and Whitmore. 3,262,-025.
Hildebrandt, Alvin F., Elleman, Whitmore, and Simpkins. 3,244,943.
Ellenberger, Hans U., to Luwa A.G. Device to increase the residence time of liquid in thin film apparatus. 3,228,453, 1–11–66, Cl. 159—6.
Ellenberger, Heinrich. Stabilized optical leveling instrument with spring mounted optical element. 3,251,262, 5–17–66, Cl. 88—1.
Ellenberger, Jakob, to Ellenberger & Poensgen G.m.b.H. Push-button-controlled polyphase overload circuit-breaker. 3,-265,834, 8–9–66, Cl. 200—116.
Ellenberger, Jakob, to Ellenberger & Poensgen G.m.b.H. Pushbutton-controlled overload circuit breaker. 3,268,688, 8–23–66, Cl. 200—116.
Ellenberger & Poensgen G.m.b.H.: *See*—
Ellenberger, Jakob. 3,265,834.
Ellenberger, Jakob. 3,268,688.
Ellenbogen, Herbert A. Method of making envelopes. 3,263,-576, 8–2–66, Cl. 93—61.
Ellenburg, Howard F. Double shaft arrow. 3,227,454, 1–4–66, Cl. 273—106.5.
Ellenrieder, Willy, and R. Hennecke, to Investment in Patent Development S.a.r.l. Automobile tire. 3,286,756, 11–22–66, Cl. 152—209.
Eller, James D.: *See*—
Eller, James M. and J. D. 3,270,677.
Eller, James M. and J. D. Intake bell for diagonal fluid pumps. 3,270,677, 9–6–66, Cl. 103—89.
Eller, Joe C.: *See*—
Person, John T., and Eller. 3,293,126.
Eller, Joe C., to Dawson Chemical Co., Inc. Method for supplying phosphorus and other dietary supplements to animals. 3,294,543, 12–27–66, Cl. 99—2.
Eller, Marlin. Pipe cutting machine. 3,262,689, 7–26–66, Cl. 266—23.
Ellerbeck, Grant C., to Friden, Inc. Back transfer mechanism for calculating machine. 3,231,192, 1–25–66, Cl. 235—145.
Ellerbrock, Peter V. Paint can holder. 3,239,181, 3–8–66, Cl. 248—210.
Ellerbroek, Jon J., and E. B. Long, to J. I. Case Co. Boom extension. 3,249,244, 5–3–66, Cl. 214—138.
Ellerd, Charles J. Articulated cargo vehicle. 3,288,491, 11–29–66, Cl. 280—410.
Ellerd, Charles J. Modified articulated vehicle. 3,290,058, 12–6–66, Cl. 280—410.
Ellert, Henry G.: *See*—
Fine, Lloyd A., and Ellert. 3,287,401.
Wehe, Albert H., Jr., Ellert, Lohman, and Boyd. 3,262,-954.
Ellery, George L., and A. P. Weissmuller, to The Grover Co. Magnetic signalling device for pneumatic dispatch system. 3,288,394, 11–29–66, Cl. 243—16.
Ellicott Machine Corp.: *See*—
Schmidt, Fred J. 3,272,477.
Elliff, Orla S., to Justin Leather Goods Co. Billfold. 3,288,-188, 11–29–66, Cl. 150—36.
Elliff, Orla S., to Justin Leather Goods Co. Pass case. 3,291,178, 12–13–66, Cl. 150—39.
Ellin, Fredrick L., to Consolidated Electronics Industries Corp. Welded terminal resistor. 3,229,238, 1–11–66, Cl. 338—329.
Ellin, Robert I., to United States of America, Army. Preparation of methyl pyridinium-2-aldoxime chloride. 3,285,-927, 11–15–66, Cl. 260—296.
Ellinger, Herbert E., and A. H. Humphrey, to General Gas Light Co. Gas compressors. 3,294,316, 12–27–66, Cl. 230—187.
Ellinger, John H., to United Kingdom Atomic Energy Authority. Periscope having telescoping actions for viewing reactor interior. 3,229,577, 1–18–66, Cl. 88—72.
Ellinger, Oscar R., to Controlex Corp. of America. Flexible remote control device. 3,287,990, 11–29–66, Cl. 74—501.
Ellington, Belford M., Jr.: *See*—
Allen, Kenneth C., Ellington, and Meeker. 3,238,001.
Elliot, Jack, Jr., and J. W. Holloway, to United States of America, Navy. Transducer. 3,230,503, 1–18–66, Cl. 340—10.
Elliott, Andrew B., Jr., to Jefferson Electric Co. Phase control device. 3,277,362, 10–4–66, Cl. 323—24.
Elliott, Brantford G., and M. R. Saunders, to Massey-Ferguson Inc. Material handling apparatus. 3,270,894, 9–6–66, Cl. 212—66.
Elliott, Brian J.: *See*—
Schaug-Pettersen, Tor, Elliott, and Shaw. 3,229,193.
Schaug-Pettersen, Tor, Elliott, and Shaw. 3,283,167.
Elliott Bros. (London) Ltd.: *See*—
Barltrop, Richard K. 3,242,822.
Bishop, Geoffrey S., and Howard. 3,258,914.
Edmunds, Arthur G. W. 3,261,002.
Ellis, Stafford M. 3,272,090.
Howard, Ronald W., and Bevan. 3,248,729.
Price, Peter J. 3,246,824.
Rowley, Richard B. 3,276,258.
Wood, Francis H. 3,259,890.
Elliott Business Machines, Inc.: *See*—
Mooney, Laurence R., and Lueck. 3,280,732.
Elliott, Charles G., to Alloys Unlimited, Inc. Flat package for semiconductors. 3,271,507, 9–6–66, Cl. 174—52.
Elliott, Charles H.: *See*—
Cullen, Roy H., Aker, and Elliott. 3,285,629.
Cullen, Roy H., Elliott, Aker, and Gilchrist. 3,282,862.
Cullen Roy H., Elliott, Aker, and Gilchrist. 3,291,230.
Elliott, Daniel R., E. Francois, and K. Roebuck, to United States Rubber Co. Reinforced off-axis chamber ports. 3,280,567, 10–25–66, Cl. 60—263.
Elliott, Darius W., to Calavar Corp. Universal cable, wire, and load-handling device. 3,244,292, 4–5–66, Cl. 212—59.
Elliott, Dean H., to North American Aviation, Inc. Fluid flow controller. 3,265,090, 8–9–66, Cl. 138—45.
Elliott, Edward R.: *See*—
Rits, Heinrich H. L., and Elliott. 3,260,652.
Elliott, Franklin P., and R. G. Schmidt, to Honeywell Inc. Electrical apparatus. 3,237,147, 2–22–66, Cl. 339—91.
Elliott, George E., Jr., and J. B. McKinley, to Gulf Research & Development Co. Process for preparation of multi-component catalysts composited with a synthetic siliceous carrier. 3,248,342, 4–26–66, Cl. 252—442.
Elliott, George H., and H. E. T. Gowen, to Atohm Electronics. Component terminations. 3,260,981, 7–12–66, Cl. 338—313.
Elliott, George N., to Sylvania Electric Products Inc. Electric lamp stem. 3,283,197, 11–1–66, Cl. 313—266.
Elliott, Harold A., K. G. Heller, M. D. Ewy, and W. Snyder, to American Radiator & Standard Sanitary Corp. Navigational system using infra-red horizon sensors. 3,237,010, 2–22–66, Cl. 250—83.3.
Elliott, Harold V., to General Motors Corp. Combined push-pull rotary switch with rheostat and thermal circuit breaker structure. 3,244,822, 4–5–66, Cl. 200—16.
Elliott, Harry E.: *See*—
Varin, Maurice C., and Elliott. 3,288,406.
Elliott, Howard A., to Essex Wire Corp. Electrical terminal and method of applying same to electrical conductors. 3,248,763, 3–29–66, Cl. 339—223.
Elliott, Howard A., to Essex Wire Corp. Electrical terminal and method of applying same conductors. 3,266,008, 8–9–66, Cl. 339—223.
Elliott, Howard A., to Essex Wire Corp. Terminal connectors for wire wound ignition cables. 3,278,889, 10–11–66, Cl. 339—223.
Elliott, James D.: *See*—
Blewitt, Roy E., Jr., and Elliott. 3,248,109.
Campbell, Robert A., Elliott, Fisher, and Opratko. 3,273,972.
Congelli, Henry C., and Elliott. 3,237,942.
Elliott, James O.: *See*—
Sones, William L., Elliott, and Neyhouse. 3,266,168.
Sones, William L., Elliott, and Neyhouse. 3,267,994.
Sones, William L., Elliott, and Neyhouse. 3,279,481.
Sones, William L., Neyhouse, and Elliott. 3,265,948.
Elliott, John S., G. M. Lilley, A. J. Alexander, and J. J. Spillman; said Elliott assor. to Power Jets (Research & Development) Ltd. Aircraft aerodynamic lifting member. 3,237,-892, 3–1–66, Cl. 244—73.
Elliott, John S., and E. D. Edwards, to Castrol Ltd. Lubricating compositions containing amine tungstates. 3,290,-245, 12–6–66, Cl. 252—32.7.
Elliott, Kenneth F., to Associated Electrical Industries Ltd. Magnetically controlled rotary switch. 3,254,174, 5–31–66, Cl. 200—67.
Elliott, Orrin M., to Sun Oil Co. Regenerative heat exchange apparatus. 3,233,663, 2–8–66, Cl. 165—66.
Elliott, Orrin M., to Sun Oil Co. Regenerative heat exchange apparatus. 3,238,997, 3–8–66, Cl. 165—32.
Elliott, Paul L., and J. F. Richter, to Eitel-McCullough, Inc. Method and means for thermally stressing wire elements. 3,227,848, 1–4–66, Cl. 219—9.5.
Elliott, Ray S.: *See*—
Baldwin, William M., Jr., Cerny, and Elliott. 3,254,761.
Elliott, Richard L., and F. R. Ashby, to United States Plywood Corp. Laminated cover elements and flashing and sealing means therefor. 3,284,967, 11–15–66, Cl. 52—58.
Elliott, Richard L.: *See*—
Chappelow, Cecil C., Jr., and Elliott. 3,264,352.
Elliott, Richard M.: *See*—
Derrah, Norman S., De Vita, and Elliott. 3,280,685.
Elliott, Richard M., W. D. Longval, and W. B. Mercaldi, to Kimball Systems, Inc. Record analysing apparatus. 3,239,-808, 3–8–66, Cl. 340—146.1.
Elliott, Richard M., and R. B. Maxner, to United Shoe Machinery Corp. Hydraulic pop riveters. 3,254,522, 6–7–66, Cl. 72—391.

Elliott, Richard M., R. E. Hobbs, Jr., W. B. Mercaldi, and R. C. Simmonds, Jr., to Kimball Systems, Inc. Sheet feeding devices. 3,259,239, 7–5–66, Cl. 209—73.

Elliott, Robert A.: *See*—
Frye, Charles F. 3,289,694.

Elliott, Robert C.: *See*—
Keller, Edwin G., Seeley, Ober, and Elliott. 3,255,700.

Elliott, Robert E., and J. W. Riggs, to Frank Wheatley Corp. Sphere launcher. 3,266,077, 8–16–66, Cl. 15—104.06.

Elliott, Robert L.: *See*—
Kettler, Clarence J., Elliott, and Schoendube. 3,233,168.

Elliott, Shirley S., and W. R. Hargrove; ½ to J. M. Goltz. Educational apparatus. 3,235,976, 2–22–66, Cl. 35—35.

Elliott, Welch B., to E. D. Bullard Co. Safety remote control load hook. 3,239,266, 3–8–66, Cl. 294—83.

Elliott, William F.: *See*—
Rill, Russell A., Elliott, Homring, Larson, Meldahl, Russler, and Simonds. 3,264,007.

Elliott, William S., and H. G. Michael, to Radio Corp. of America. A.G.C. voltage controlled thin-film R.F. attenuator. 3,259,846, 7–5–66, Cl. 325—415.

Ellis, Alan F., to Gulf Research & Development Co. Production of palladium chloride for dimerizing aromatics. 3,294,484, 12–27–66, Cl. 23—87.

Ellis, Alan F., and J. G. D. Schulz, to Gulf Research & Development Co. Nitrogen-containing diaryl compounds. 3,275,651, 9–27–66, Cl. 260—326.

Ellis, Alfred L. Measuring and dispensing device for granular material. 3,258,177, 6–28–66, Cl. 222—455.

Ellis, Bernard: *See*—
Adams, Winifred J., Ellis, Petrow, and Stuart-Webb. 3,270,037.
Booker, Sheila M., Ellis, and Petrow. 3,272,797.

Ellis, Bernard, and V. Petrow, to The British Drug Houses Ltd. 16α:17α-derivatives of 6α-methyl steroids. 3,272,798, 9–13–66, Cl. 260—239.55.

Ellis, Charles A. Dental tool drive mechanism. 3,241,239, 3–22–66, Cl. 32—27.

Ellis, Charles D., H. Schachner, and D. Williamson, to Battelle Memorial Institute. Smoking device. 3,258,015, 6–28–66, Cl. 131—171.

Ellis, David M., and C. J. Bader, to Burroughs Corp. Instrument for measurement of thin magnetic film parameters. 3,254,298, 5–31–66, Cl. 324—34.

Ellis, David T.: *See*—
Krasnick, Bernard, and Ellis. 3,248,664.

Ellis, Donald A., and A. T. Krueger, to Inland Steel Products Co. Construction for recess in plaster wall. 3,269,067, 8–30–66, Cl. 52—216.

Ellis, Donald E., and G. S. Sheffield, to North American Aviation, Inc., Nickel-base alloy for welding and high temperature structural applications. 3,239,929, 3–15–66, Cl. 29—504.

Ellis Drier Co., The: *See*—
Ellis, Hubert C.

Ellis, Earl B., and C. E. Chesney, to Standard Brands Inc. Automatic egg breaking and opening apparatus. 3,229,739, 1–18–66, Cl. 146—2.

Ellis, Edna E. Disposable hair net. 3,265,076, 8–9–66, Cl. 132—49.

Ellis, Edwin L.: *See*—
Wentworth, Basil W., and Ellis. 3,242,490.

Ellis, Elmer F. Vehicle parking brake control. 3,273,418, 9–20–66, Cl. 74—539.

Ellis, Eugene D. Process of preparing packaged-cooked foods. 3,262,787, 7–26–66, Cl. 99—174.

Ellis, Eugene D. Novel meat bloom control process and meat products therefrom. 3,266,909, 8–16–66, Cl. 99—169.

Ellis Fluid Dynamics Corp.: *See*—
Ellis, John T., Jr. 3,249,018.
Ellis, John T., Jr. 3,250,073.
Ellis, John T., Sr. 3,279,324.
Karbowniczek, Stanley. 3,240,355.

Ellis, Forest M. Climber-type scaffold. 3,291,257, 12–13–66, Cl. 182—134.

Ellis, Geoffrey H., and R. W. G. Haslett, to S. Smith & Sons (England) Ltd. Marine echo sounding apparatus. 3,264,603, 8–2–66, Cl. 340—3.

Ellis, George J.: *See*—
Seidmon, Maynard J., and Ellis. 3,273,633.

Ellis, George W., to General Electric Co. Two-channel simultaneous color projection systems. 3,265,811, 8–9–66, Cl. 178—5.4.

Ellis, Herbert B., to Aerojet-General Corp. Means for reducing rocket motor combustion chamber instability. 3,242,668, 3–29–66, Cl. 60—35.6.

Ellis, Herbert B., R. G. Peoples, H. C. Krieg, Jr., R. S. Pickford, S. W. Baker, and J. E Tabl, to Aerojet-General Corp Rocket motor testing apparatus. 3,261,163, 7–19–66, Cl. 60—35.6.

Ellis, Hubert C. Commercial laundry machine and drive therefor. 3,253,434, 5–31–66, Cl. 68—140.

Ellis, Hubert C., to The Ellis Drier Co. Washing cylinder and door therefor. 3,285,466, 11–15–66, Cl. 220—41.

Ellis, James F. Safety magnet controller. 3,275,887, 9–27–66, Cl. 317—13.

Ellis, John D.: *See*—
Austin, James, and Ellis. 3,276,443.
Austin, James, and Ellis. 3,276,510.

Ellis, John L., and S. E. Tarkan, to Chromalloy Corp. Method for bonding a sintered refractory carbide body to a metalliferous surface. 3,279,049, 10–18–66, Cl. 29—472.7.

Ellis, John T., to The Dow Chemical Co. Sandwich panel structure with edge trim. 3,235,040, 2–15–66, Cl. 40—52.1.

Ellis, John T., Jr., to Ellis Fluid Dynamics Corp. Fluid motor. 3,249,018, 5–3–66, Cl. 91—44.

Ellis, John T., Jr., to Ellis Fluid Dynamics Corp. Cylinder. 3,250,073, 5–10–66, Cl. 60—52.

Ellis, John T., Sr., to Ellis Fluid Dynamics Corp. Fluid pressure operated jack. 3,279,324, 10–18–66, Cl. 91—41.

Ellis, Linus M., to E. I. du Pont de Nemours and Co. Method for the control of weeds. 3,235,362, 2–15–66, Cl. 71—2.5.

Ellis, Linus M., to E. I. du Pont de Nemours and Co. α-Ureido oxycarboxylic acids and their derivatives. 3,282,987, 11–1–66, Cl. 260—471.

Ellis, Nicholas D., to Anheuser-Busch, Inc. Bottle cap. 3,260,395, 7–12–66, Cl. 215—46.

Ellis, Nicholas D., to Anheuser-Busch, Inc. Carton. 3,266,708, 8–16–66, Cl. 229—37.

Ellis, Nicholas D., to Anheuser-Busch, Inc. Carton. 3,286,908, 11–22–66, Cl. 229—44.

Ellis, Robert: *See*—
Jarger, Harold F., Ellis, and Adams. 3,243,704.

Ellis, Robert, to R. E. Peterson. Boat anchors and means for manipulating same. 3,261,319, 7–19–66, Cl. 114—210.

Ellis, Robert, to R. E. Peterson. Boat anchor with means for manipulating same at a distance from the bow of the boat. 3,279,411, 10–18–66, Cl. 114—210.

Ellis, Robert, to R. E. Peterson. Boat anchor hoist. 3,279,413, 10–18–66, Cl. 114—210.

Ellis, Robert. Ball and spring wire catapult. 3,279,449, 10–18–66, Cl. 124—10.

Ellis, Robert W.: *See*—
Neuville, Stewart M., Caple, Ellis, and Cloots. 3,241,676.

Ellis, Roland H.: *See*—
Tusa, John, and Ellis. 3,229,331.

Ellis, Rutherford L., Jr.: *See*—
Akerman, John L., Jr., and Ellis. 3,242,429.

Ellis, Stafford. Refrigerated display unit. 3,254,502, 6–7–66, Cl. 62—257.

Ellis, Stafford M., to Elliott Brothers (London) Ltd. Fail-safe hydraulic actuators. 3,272,090, 9–13–66, Cl. 92—140.

Ellis, Stephen R. M., K. E. Porter, and M. C. Jones, to Hydronyl Ltd. Tower packing units. 3,243,170, 3–29–66, Cl. 261—94.

Ellis, William H., and V. Artel, to Chevron Research Co. Electrostatic compositions comprising sodium salt of mahogany sulfonic acid, polar solvents and water. 3,247,148, 4–19–66, Cl. 260—29.2.

Ellis, William J., and C. Roming, Jr., to Esso Research and Engineering Co. Cooling and catalyst recycle in oxo synthesis. 3,271,458, 9–6–66, Cl. 260—604.

Ellis, William R. Clamp for paper rolls and the like. 3,252,609, 5–24–66, Cl. 214—652.

Ellis, William R., to Long Reach Mfg. Clamp for paper rolls and the like. 3,285,651, 11–15–66, Cl. 294—104.

Ellis, Thomas H. Vehicle emergency flare. 3,295,101, 12–27–66, Cl. 340—54.

Ellison, Alfred H.: *See*—
Wisotsky, Max J., Ellison, and Odell. 3,234,133.

Ellison, Clarence H., to The Ellison Co. Ion source having electrodes of catalytic material. 3,283,193, 11–1–66, Cl. 313—63.

Ellison Co., The: *See*—
Ellison, Clarence H. 3,283,193.

Ellison, Hal J., to Silaco Chemical Co. Control of slime in paper-making using ultraviolet irradiated silver fluoride. 3,230,137, 1–18–66, Cl. 162—161.

Ellison, Harold E., to Polar Missile Ice Cream of California. Apparatus for manufacturing frozen confections. 3,244,121, 4–5–66, Cl. 107—1.

Ellison, Lynn E. Watch testing apparatus. 3,255,625, 6–14–66, Cl. 73—6.

Ellison, Wallace D. Toggle clamp having a lock mechanism engageable as an over-center position is approached. 3,261,243, 7–19–66, Cl. 81—351.

Elliston, Thomas L.: *See*—
Tamplen, Jack W., and Elliston. 3,233,675.

Elliston, Thomas L., to Otis Engineering Corp. Well tools. 3,278,219, 10–11–66, Cl. 294—86.15.

Ellman, Julius: *See*—
Hoffman, Harold A., and Ellman. 3,233,401.

Ellman, Robert C., and J. W. Belter, to United States of America, Interior. Elimination of agglomeration by freezing of lignite or other moisture-containing or wetted aggregates during shipment. 3,243,889, 4–5–66, Cl. 34—9.

Ellmore, William A., to Ampex Corp. Magnetic tape machine. 3,265,318, 8–9–66, Cl. 242—74.

Ellms, Robert W.: *See*—
Miller, Leon F., and Ellms. 3,233,291.

Ellms, Robert W., to The Osborn Mfg. Co. Foundry molding machine. 3,267,528, 8–23–66, Cl. 22—42.

Elliner, Edwin, and W. A. Knecht, to Consolidated Electronics Industries Corp. Apparatus for analogically converting binary coded decimal signals into decimal displays. 3,234,546, 2–8–66, Cl. 340—347.

Elliner, Louis A.: *See*—
Ciabattari, Emil J., and Elliner. 3,228,526.

Ellsworth, James P., and G. R. Thomas, to Westinghouse Electric Corp. Circuit breaker with improved terminal-conductor means. 3,280,287, 10–18–66, Cl. 200—147.

Ellsworth, James P., L. W. Dyer, and E. H. Kinney, to Westinghouse Electric Corp. Panelboard comprising an insulating support and a circuit breaker. 3,280,379, 10–18–66, Cl. 317—119.

Ellsworth, John L.: *See*—
Delmege, James W., Jr., Hollenbach, and Ellsworth. 3,228,005.

Ellsworth, Orval T. Maternity abdominal cushion. 3,287,747, 11–29–66, Cl. 5—338.

Ellsworth, Wayne A.: *See*—
Shattuck, Ewart H., Hall, and Ellsworth. 3,248,770.

Ellwood, Walter B., to Bell Telephone Laboratories, Inc. Method of assembling and magnetically adjusting a reed switch. 3,242,557, 3–29–66, Cl. 29—155.5.

Ellwood, William P.: *See*—
Eisenhauer, William A. 3,290,799.

Elly, Richard J., and D. J. Gracz, to Scott Aviation Corp. Altitude-compensating, constant-flow, oxygen regulator. 3,252,470, 5–24–66, Cl. 137—64.

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Eloy, Fernand, R. Lenaers, and C. Moussebois, to Union Carbide Corp. Certain 3,5-disubstituted-1,2,4-oxadiazole compounds. 3,227,725, 1–4–66, Cl. 260—307.

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Elslager, Edward F., and L. M. Werbel, to Parke, Davis & Co. 1 - {3 - ({5,6,7,8 - tetrahydro-4-(arylazo)-1-naphthyl]amino} propyl)piperidine compounds. 3,285,905, 11–15–66, Cl. 260—152.

Elslager, Edward F., and D. F. Worth, to Parke, Davis & Co. Naphthalene diamine compounds and methods for their production. 3,291,808, 12–13–66, Cl. 260—326.85.

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Emidy, Thomas J., and D. P. Northrop, to Duro-Test Corp. Method and apparatus for manufacturing fluorescent lamps. 3,294,468, 12–27–66, Cl. 316—24.
Emigh, Harold E. Ground trainer platform. 3,279,096, 10–18–66, Cl. 35—12.
Emil Hoogland G.m.b.H.: *See*—
Habicht, Ernst. 3,293,965.
Eming, Winfried: *See*—
Franke, Heinz, and Eming. 3,251,747.
Emmel, David G., to Westinghouse Air Brake Co. Remote function control by discrete pulse patterns. 3,289,166, 11–29–66, Cl. 340—163.
Emmell, Donald R., to The Murray Corp. of America. Removal of scrap material incident to pressed ware production. 3,231,956, 2–1–66, Cl. 25—27.
Emmerich, Claude L., to United Aircraft Corp. Digital resolver system. 3,247,504, 4–19–66, Cl. 340—347.
Emmerich, Claude L., to United Aircraft Corp. Compensated analogue to digital converter. 3,255,446, 6–7–66, Cl. 340—347.
Emmerling, Anson A., to General Electric Co. Torque transducer. 3,279,244, 10–18–66, Cl. 73—136.
Emmermann, Dieter K.: *See*—
Johnson, Wallace E., Davids, and Emmermann. 3,255,603.
Johnson, Wallace E., Davids, and Emmermann. 3,255,604.
Emmermann, Dieter K., J. H. Davids, and W. E. Johnson, to Desalination Plants (Developers of Zarchin Process) Ltd. Method of fabricating rotor assemblies. 3,255,514, 6–14–66, Cl. 29—156.8.
Emmermann, Dieter K., J. H. Davids, W. E. Johnson, and A. Zarchin, to Desalination Plants (Developers of Zarchin Process) Ltd. Compressor construction. 3,255,602, 6–14–66, Cl. 62—123.
Emmet, Eleonore, to Dunfix Etablissment. Apparatus for the manufacture of compost. 3,248,175, 4–26–66, Cl. 23—259.1.
Emmett, John E.: *See*—
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Emmett, Robert C., Jr.: *See*—
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Emmeus, Nils I. A., and P. G. M. Flodin, to Pharmacia Fine Chemicals Inc. Gel filtration apparatus. 3,265,215, 8–9–66, Cl. 210—287.
Emmons, Carl, to U.S. Tool & Cutter Co. Grooving tool. Re. 25,955, 2–22–66, Cl. 29—95.
Emmons, David L., to Martin-Marietta Corp. High speed comparator. 3,237,159, 2–22–66, Cl. 340—146.2.
Emmons, James W., and L. B. Robinson. Partition wall having I-section frame. 3,293,813, 12–27–66, Cl. 52—238.
Emmons, Laurence B., and G. H. Tomlinson; said Tomlinson assor., to said Emmons. Sofa bed. 3,258,787, 7–5–66, Cl. 5—43.
Emmons, Ottie C. Fishing apparatus. 3,269,049, 8–30–66, Cl. 43—23.
Emmons, William D., and E. H. Owens (nee E. M. Hankins), to Rohm & Haas Co. Process of coating bare metals and products thereof. 3,266,930, 8–16–66, Cl. 117—132.
Emory, Richard D., to Pemko Mfg. Co. Window glazing and retaining means. 3,238,685, 3–8–66, Cl. 52—502.
Emoto, Masayuki: *See*—
Aoki, Yonesaku, Emoto, and Tanaka. 3,273,806.
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Hodges, Ralph B. 3,234,930.
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Schauster, Joseph A. 3,261,580.
Empson, Kenneth G. Draft gear. 3,249,240, 5–3–66, Cl. 213—43.
Emrick, Donald D., to The Standard Oil Co. Blends of isotactic and syndiotactic polypropylene. 3,268,627, 8–23–66, Cl. 260—897.
Emrick, Donald D., R. J. Sating, and R. Zorska, to The Standard Oil Co. Process for preparing alpha-olefin polymers which are substantially free of residual catalyst. 3,275,613, 9–27–66, Cl. 260—93.7.
Emrick, Donald D., and R. Zorska, to The Standard Oil Co. Manufacture of syndiotactic polymers of alpha-olefins in the presence of LiAl(R)x(H)y, transition metal halide and a phosphine, arsine or stibine. 3,278,512, 10–11–66, Cl. 260—93.7.
Emrick, E. C., to L. Emrick, and E. C., jointly. Measuring device. 3,277,931, 10–11–66, Cl. 141—364.
Emrick, Homer, to Clark Equipment Co. Snap-in ball check valve. 3,235,098, 2–15–66, Cl. 214—1.
Emrick, Lily: *See*—
Emrick, E. C. 3,277,931.
Emry, Alfred L., ½ to J. A. Naughton, Jr. Fishing reel. 3,255,982, 6–14–66, Cl. 242—84.21.
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Medoff, Irving. 3,277,998.
Emslie, Robert S.: *See*—
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Emsway Ltd.: *See*—
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Enchelmaier, William F. and H. W. K. 3,290,714.
Enchelmaier, Harvard W. Apparatus for making brushes. 3,279,857, 10–18–66, Cl. 300—4.
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Enchelmaier, William F.: *See*—
Enchelmaier, Harvard W. K. and W. F. 3,246,931.
Enchelmaier, William F. and H. W. K. Helically wound brush. 3,290,714, 12–13–66, Cl. 15—182.
Ende, Herbert A., to Monsanto Co. Double-sector centrifugation cells. 3,241,752, 3–22–66, Cl. 233—26.
Ende, Herbert A., to Monsanto Co. Double-sector centrifugation cells. 3,241,753, 3–22–66, Cl. 233—26.
Ende, Herbert A., to Monsanto Co. Centrifugation cells. 3,241,754, 3–22–66, Cl. 233—26.
Ende, Wolfgang A., to Corning Glass Works. Electrical connected component and method. 3,246,386, 4–19–66, Cl. 29—155.5.
Ender, Hans H., to Union Carbide Corp. Phenolic foams stabilized by siloxane-oxyalkylene copolymers. 3,271,331, 9–6–66, Cl. 260—2.5.
Ender, Hans H., to Union Carbide Corp. Tetrafunctional silyl-oxymethylene compounds as curing agents for epoxy resins. 3,287,160, 11–22–66, Cl. 117—132.

Ender, Hans H., to Union Carbide Corp. Diorganosiloxanes cured with an alkoxy end-blocked silyl tetraformal. 3,287,291, 11–22–66, Cl. 260—18.

Enderby, Charles E., and R. M. White, to General Electric Co. Two sided slow wave transmission circuit having a selective mode coupler. 3,292,112, 12–13–66, Cl. 333—6.

Enderle, Robert H., to Corning Glass Works. Foam packaging member. 3,292,778, 12–20–66, Cl. 206—65.

Endermann, Fritz, J. Munder, and H. Ziegler, to Keuffel & Esser Co. Heat-developable two-component diazotype reproduction material. 3,281,244, 10–25–66, Cl. 96—91.

Enders, Edgar, F. Muth, and H. Herlinger, to Farbenfabriken Bayer Aktiengesellschaft. 6H - [b,f][1,4,5]dibenzo-oxathiazepins. 3,247,224, 4–19–66, Cl. 260—327.

Enders, Heinz, and H. K. Wiest, to Chemische Fabrik Pfersee G.m.b.H. N-1,1-dihydrofluoroalkyl-n' alkylene urea. 3,274,174, 9–20–66, Cl. 260—239.

Enders, Heinz, H. K. Wiest, H. Deiner, I. C. Munzenmaier, and J. Brockmeier, to Chemische Fabrik Pfersee G.m.b.H. Method for treating textile with perfluoroalkyl compounds and the treated textile. 3,232,790, 2–1–66, Cl. 117—139.5.

Enders, John G., and D. S. Wilt, to Hercules Inc. Densified nitrocellulose-hydrocarbon product and process of manufacture. 3,284,253, 11–8–66, Cl. 149—2.

Enders, Max L. Positive self-locking fastening means. 3,241,589, 3–22–66, Cl. 151—34.

Enders, Sherwood G., to The Black and Decker Mfg. Co. Hole saw assembly. 3,262,474, 7–26–66, Cl. 143—85.

Enders, Sherwood G., to The Black and Decker Mfg. Co. Coupling means for hole saw assembly. 3,267,975, 8–23–66, Cl. 143—85.

Enders, Sherwood G., to The Black and Decker Mfg. Co. Variable motion jig saw. 3,269,197, 8–30–66, Cl. 74—50.

Enders, Sherwood G., to The Black and Decker Mfg. Co. Method of producing a hole saw mandrel. 3,293,740, 12–27–66, Cl. 29—475.

Endicott, Clarence J., and W. T. Martin, to Abbott Laboratories. Tablet coating. 3,275,518, 9–27–66, Cl. 167—82.

Endicott Johnson Corp.: *See*—
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Endo, Keiji, and Y. Shibano, to Sumitomo Electric Industries, Ltd. Spaced helical radiating conductor insulating supported along the length of central conductor support. 3,230,540, 1–18–66, Cl. 343—874.

Endo, Koichi, and M. Kawashima, to Fujitsu Ltd. Echo-type equalizer which differentiates echo signals. 3,290,607, 12–6–66, Cl. 328—162.

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Schoen. Karl. 3,244,593.

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Endres, Edward H.: *See*—
Mize. William E., and Endres. 3,256,040.

Endres, Herbert A., to The Goodyear Tire & Rubber Co. Flexible paving composition. 3,253,521, 5–31–66, Cl. 94—23.

Endres, Johann. Exhaust pressure depression apparatus for increasing the power generating efficiency of heat engines. 3,241,316, 3–22–66, Cl. 60—39.5.

Endress, James W., to Carrier Corp. Refrigeration lubrication system and method. 3,280,576, 10–25–66, Cl. 62—84.

Endress, James W., and C. M. Anderson, to Carrier Corp. Apparatus for and method of motor cooling. 3,241,331, 3–22–66, Cl. 62—117.

Endress, James W., and C. M. Anderson, to Carrier Corp. Lubricant separation and recovery system. 3,263,435, 8–2–66, Cl. 62—84.

Endress, James W., and R. R. Shollenberger, to Carrier Corp. Motor protection apparatus and method of operation. 3,247,436, 4–19–66, Cl. 318—434.

Endrey, Andrew L., to E. I. du Pont de Nemours and Co. Ammonium salts of aromatic polyamide-acids and process for preparing polyimides therefrom. 3,242,136, 3–22–66, Cl. 260—47.

Endris, Vincent L. Spinner-type toy. 3,254,446, 6–7–66, Cl. 46—242.

Endsley, Donald J., and B. W. Wilson, to The Dow Chemical Co. Graft polymers of ethylenimine onto a polyacrylic or polymethacrylic acid backbone. 3,280,218, 10–18–66, Cl. 260—874.

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Endter, Robert and D. Scalp protector for hair curler. 3,234,952, 2–15–66, Cl. 132—39.

Enemark, Arne F., to Danfoss ved ingenior Mads Clausen. Motor protective means. 3,243,679, 3–29–66, Cl. 318—221.

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Energy Conversion Devices, Inc.: *See*—
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Ovshinsky, Stanford R. 3,271,591.
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Energy Conversion Systems Corp.: *See*—
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Energy Industries, Inc.: *See*—
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Energy Systems, Inc.: *See*—
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Eng, Albert: *See*—
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Eng, Harvard, to United States of America, Army. Propellant purge system. 3,262,263, 7–26–66, Cl. 60—35.6.

Eng, Harvard, to United States of America, Army. Propellant oxidizer mixing system for rocket motors. 3,289,405, 12–6–66, Cl. 60—35.74.

Eng, Jackson: *See*—
Butler, Roger M., and Eng. 3,294,858.

Eng, Sverre T., to Hughes Aircraft Co. Low noise microwave diode. 3,262,029, 7–19–66, Cl. 317—234.

Engalitsheff, John, Jr., to Baltimore Aircoil Co., Inc. Trough system for evaporative heat exchangers. 3,290,025, 12–6–66, Cl. 261—140.

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Engborg, Nelson E.: *See*—
Banca, Maggio C., Engborg, and Fisher. 3,293,915.

Enge, Harald A.: *See*—
Bly, James H., and Enge. 3,287,558.

Enge, Harald A., to High Voltage Engineering Corp. Non dispersive magnetic deflection apparatus and method. 3,243,667, 3–29–66, Cl. 317—200.

Engel, Albrecht, to Siemens & Halske Aktiengesellschaft. Radiation controlled electron radiation source. 3,293,483, 12–20–66, Cl. 315—10.

Engel Equipment, Inc.: *See*—
Ried, Walter A., and Schrader. 3,270,931.
Ried, Walter A., Schrader, and Werntz. 3,242,780.
Ried, Walter A., and Werntz. 3,251,593.
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Engel, Herman, Jr., to United States of America, Air Force. Parachute canopy reefing at panel centerlines. 3,278,143, 10–11–66, Cl. 244—150.

Engel, Howard L.: *See*—
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Engel, James J., V. L. Guyer, and R. J. Schafer, to Archer-Daniels-Midland Co. Foundry composition comprising sand, drying oil and polyisocyanate. 3,255,500, 6–14–66, Cl. 22—194.

Engel, Joachim, to International Standard Electric Corp. Pulse converter for binary signals of rectangular shape to pulses having four levels or steps. 3,287,647, 11–22–66, Cl. 328—34.

Engel, John H.: *See*—
Patrick, Phillip O., and Engel. 3,284,338.
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Engel, John H., and H. A. Swanson, to Phillips Petroleum Co. Cylinder loading with liquefiable gases. 3,241,328, 3–22–66, Cl. 62—49.

Engel, John H., and R. M. Waldby, to Phillips Petroleum Co. Dehydrocyclization process for producing a high octane gasoline and aromatics. 3,280,022, 10–18–66, Cl. 208—64.

Engel, Karl, to Somerville Industries Ltd. Flanged folding box. 3,268,148, 8–23–66, Cl. 229—34.

Engel, Lewis O., to Scientia Products, Inc. Method of and means for balancing extractor tubs. 3,253,710, 5–31–66, Cl. 210—78.

Engel, Lewis O., to Hupp Corp. Laundry equipment. 3,270,529, 9–6–66, Cl. 68—18.

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Engel, Royce G., Jr.: *See*—
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Engel, Rudolf, and H. Redlich, to Telefunken A.G. Transducer. 3,230,318, 1–18–66, Cl. 179—100.41.

Engel, Willem F., and F. Wattimena, to Shell Oil Co. Catalyst composition, particularly for catalyzing oxidation of hydrogen chloride to chlorine. 3,260,678, 7–12–66, Cl. 252—441.

Engel, Willem F., and G. E. Rumscheidt, to Shell Oil Co. Process of preparing vinyl esters of carboxylic acids. 3,285,941, 11–15–66, Cl. 260—410.9.

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Engel, William J., to United-Carr Inc. Connector for printed wire board. 3,274,532, 9–20–66, Cl. 339—176.

Engel, William T., to Kahle Engineering Co. Pipe clamp. 3,259,964, 7–12–66, Cl. 29—200.

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Engelbart, Douglas C., and L. G. Wiley, to AMP Inc. Magnetic core device. 3,229,267, 1–11–66, Cl. 340—174.

Engelbrecht, Heinz-Joachim, to VEB Deutsches Hydrierwerk Rodleben. Process for the manufacture of basically aminoalkyl substituted phenol ethers. 3,267,451, 6–21–66, Cl. 260—570.

Engelbrecht, Robert, and J. Q. Snyder, to Monsanto Co. Polymerization of olefins using a gallium trichloride-silica-alumina catalyst. 3,243,473, 3–29–66, Cl. 260—683.15.

Engelbrecht, Robert M., J. M. Schuck, and R. G. Schultz, to Monsanto Co. Polymerization process. 3,271,473, 9–6–66, Cl. 260—683.15.

Engelbrecht, Robert M., J. M. Schuck, and R. G. Schultz, to Monsanto Co. Polymerization process. 3,271,474, 9–6–66, Cl. 260—683.15.

Engelhard, Arthur W., to E. I. du Pont de Nemours and Co. Method for controlling arachnids. 3,276,950, 10–4–66, Cl. 167—22.

Engelhard, Arthur W., to E. I. du Pont de Nemours and Co. Method for controlling arachnids. 3,276,951, 10–4–66, Cl. 167—22.

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Highberg, Carle W. 3,243,922.
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Schneider, Irving. 3,258,847.

Engelhard, Hermann, N. Engelhard, and B. Werth. 5-aminoalkoxy ethers of 5-hydroxyimino-10, 11-dihydro-5H-dibenzo (a,d) cyclohepta (1,4) dienes. 3,270,055, 8–30–66, Cl. 260—566.

Engelhard Industries, Inc.: *See*—
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Byrne, Paul B. 3,242,064.
Cohn, Johann G. E. 3,238,700.
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Emerson, Edward J., Kantrowitz, and Scholer. 3,279,154.
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Straschil, Heinrich K., and Lopez. 3,238,704.
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Engelhard, William E. Device for annealing workpieces. 3,229,967, 1–18–66, Cl. 266—5.

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Engelhardt, Edward L., to Merck & Co., Inc. 3-alkylsulfonyl-5-(tertiaryaminopropylidene)- and 5-hydroxy-5-(tertiary-aminopropyl-5H-dibenzo-[a,d] cycloheptenes. 3,275,689, 9–27–66, Cl. 260—570.8.

Engelhardt, Edward L., and H. C. Zell, to Merck & Co., Inc. Substituted 1-hydrocarbyl-4-(10-thiaxanthylidene) piperidines. 3,275,640, 9–27–66, Cl. 260—293.4.

Engelhardt, Erwin, to Mannesmann Aktiengesellschaft. Pull-through furnace for the continuous stress-relief annealing of rolled products in strip form. 3,284,073, 11–8–66, Cl. 266—3.

Engelhardt, Walter D., and C. A. Master, to Philco Corp. Electronic clock utilizing oscillator-to-switch bi-stable circuit at subharmonic of oscillator frequency. 3,250,066, 5–10–66, Cl. 58—23.

Engelhart, John E., L. Berkowitz, and D. W. Brownawell, to Esso Research and Engineering Co. Distillate fuels. 3,269,809, 8–30–66, Cl. 44—62.

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Engelland, George C., to Libby McNeill & Libby. Production of fermented dill pickles. 3,255,019, 6–7–66, Cl. 99—156.

Engelman, Frederick H., and F. L. Larkin, to Monsanto Co. Yarn winding process and yarn package. 3,235,191, 2–15–66, Cl. 242—18.1.

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Engels, Walter, to H & S Co., Inc. Vibration isolating support for machinery. 3,282,543, 11–1–66, Cl. 248—22.

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Engelsher, Harvey J., and E. W. McKirdy, ½ to P. C. Hofstra. Container with included sipping-tube for potable fluids. 3,279,679, 10–18–66, Cl. 229—17.

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Winkler, Alfred, Landbrecht, and Engelsmann. 3,273,480.

Engelsmann, Dieter, to Agfa Aktiengesellschaft. Objective assembly for photographing devices. 3,270,648, 9–6–66, Cl. 95—45.

Engelsmann, Dieter, H. Hackenberg, and A. Winkler, to Agfa Aktiengesellschaft. Camera with manual and automatic controls. 3,230,848, 1–25–66, Cl. 95—10.

Engelsmann, Dieter, and R. Schröder, to Agfa Aktiengesellschaft. Devices for releasably holding film cartridges in cameras. 3,282,185, 11–1–66, Cl. 95—31.

Engelsmann, Dieter, and S. Zobel, to Agfa Aktiengesellschaft. Camera structure for handling film cartridges. 3,270,645, 9–6–66, Cl. 95—31.

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Engelstad, George E., J. Cleybergh, and G. Faellaci, to A. B. Dick Co. Electronic printing apparatus. 3,238,921, 3–8–66, Cl. 118—637.

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Engelsted, John N., to O. S. Walker Co., Inc. Permanent magnet chuck. 3,231,789, 1–25–66, Cl. 317—159.

Engelsted, John N., and W. E. Lundgren, to Buck Mfg. Co. Adjustable positioners for electric drills and the like. 3,254,547, 6–7–66, Cl. 77—7.

Engelstein, Stanley, to NB Jackets Corp. Microfiche master. 3,238,655, 3–8–66, Cl. 40—159.

Engelstein, Stanley. Machine for sectioning and inserting film frames into aperture cards. 3,248,846, 5–3–66, Cl. 53—123.

Engelstein, Stanley. Suspension type aperture card. 3,292,292, 12–20–66, Cl. 40—158.

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Engh, Robert O., to Honeywell Inc. Self monitoring condition detecting apparatus. 3,286,761, 11–22–66, Cl. 158—28.

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Filary, Daniel J., and Di Nardo. 3,254,438.
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Baker, Marion L. 3,228,189.
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Goble, Ralph W. 3,229,167.
Goble, Ralph W. 3,254,424.

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Barret, William M. 3,264,555.
Barret, William M., and Clement. 3,270,558.

Engkjer, Harvey E., J. A. Furlong, and R. S. Zebarth, to Gordon Johnson Co. Feather picking apparatus. 3,277,515, 10–11–66, Cl. 17—11.1.

England, David C., to E. I. du Pont de Nemours and Co. Selected fluorine-containing aromatic tertiary alcohols and the preparation thereof. 3,236,894, 2–22–66, Cl. 260—574.

England, David C., and C. G. Krespan, to E. I. du Pont de Nemours and Co. Lactones obtainable from bis(trifluoromethyl) ketene and selected derivatives thereof. 3,280,150, 10–18–66, Cl. 260—343.5.

England, George E., to Midland Hosiery Mills Ltd. Method of tucking on upper cylinder needles. 3,261,183, 7–19–66, Cl. 66—14.

England, Harold, to Ampex Corp. Article handling and sizing apparatus. 3,260,354, 7–12–66, Cl. 209—107.

England, Hilda M. Office mailing machines. 3,271,926, 9–13–66, Cl. 53—188.

England, Hugh O., to Hurok Mfg. Ltd. Golf carts. 3,291,502, 12–13–66, Cl. 280—41.
England, Paul, to Spartans Industries, Inc. Collar shaper device. 3,227,333, 1–4–66, Cl. 223—52.1.
England, Richard E., to The Ford Motor Co. Automatic dielectric bonding die ejection system. 3,227,291, 1–4–66, Cl. 214—1.
Englander, Robert A., to Simplimatic Engineering Co. Diverging conveyor. 3,262,538, 7–26–66, Cl. 193—36.
Englander, Robert A., and G. S. McVeigh. Divisible carton. 3,246,796, 4–19–66, Cl. 220—115.
Englander, Robert A., and G. S. McVeigh, to Simplimatic Engineering Co. Apparatus for transporting cylindrical articles. 3,279,579, 10–18–66, Cl. 198—31.
Englander, Robert A., and G. S. McVeigh. Apparatus for transporting cylindrical articles. 3,279,580, 10–18–66, Cl. 198—32.
Engle, Albert, to H & E Trucking Co. Guard plate for refuse truck. 3,291,275, 12–13–66, Cl. 193—3.
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Engle, Charles J.: *See*—
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Engle, Donald W., to U. S. Partition & Packaging Corp. Pneumatic pressure apparatus. 3,289,908, 12–6–66, Cl. 226—195.
Engle, James L., to United States of America, Atomic Energy Commission. Slow scan generator circuit. 3,229,122, 1–11–66, Cl. 307—107.
Engle, Lester F., and H. E. Day, to Calumet & Hecla, Inc. Method of making a dry water dispersible bordeaux composition. 3,290,210, 12–6–66, Cl. 167—16.
Engle, Loy S., to Interchemical Corp. Color concentrates of polyolefins, pigment, and 2-hydroxy-methyl-5-norbornene diesters. 3,249,575, 5–3–66, Cl. 260—31.8.
Engle, Robert K., and A. F. Lewis, to Rexall Drug and Chemical Co. 5-ethyl-5-(6-purinyl)thiobarbituric acid. 3,268,530, 8–23–66, Cl. 260—252.
Engle, Theodore M.: *See*—
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Johnson, Clarence A., and Engle. 3,227,546.
Engle, Thomas H. to Cleveland Technical Center, Inc. Vortex tube manifold assembly. 3,259,145, 7–5–66, Cl. 137—608.
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Englebart, Theodore M., M. M. Delao, and T. G. Humphrey, to The Buehler Corp. Variable nozzle. 3,279,704, 10–18–66, Cl. 239—265.43.
Englehaupt, William. Scarf with inherent adjustable fastening means. 3,276,037, 10–4–66, Cl. 2—146.
Engler, Alfred. Dual diaphragm pressure regulator. 3,270,757, 9–6–66, Cl. 137—84.
Engler, John F. Mower drawbar connection. 3,267,651, 8–23–66, Cl. 56—8.
Engler, Otto, to Vereinigte Kesselwerke AG. Once-through type boiler. 3,269,362, 8–30–66, Cl. 122—235.
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Engleson, Sixten, ½ to Aktiebolaget Flygts Pumpar. Pump device. 3,234,885, 2–15–66, Cl. 103—87.
Engleson, Sixten, ½ to AB Flygts Pumpar. Live fish storage and transport device. 3,273,276, 9–20–66, Cl. 43—6.5.
Englisch, Alfred, and R. Zimmermann, to W. A. Chemische. Copolymers of diallylidene pentaerythritol with hydroxy terminated unsaturated esters and vinyl monomers. 3,247,282, 4–19–66, Cl. 260—827.
English, Arthur R.: *See*—
Huang, Hsing T., and English. 3,239,427.
English, Charles L. Subsurface pump unit. 3,256,826, 6–21–66, Cl. 103—46.
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English, Edgar, Jr. Protective packing apparatus for easily damaged objects. 3,283,891, 11–8–66, Cl. 206—65.
English, Edgar, Jr. Receiving, storing, and ripening device for one or more perishable food objects. 3,285,411, 11–15–66, Cl. 206—65.
English, Edgar, Jr. Protective packaging apparatus for easily damaged objects. 3,286,834, 11–22–66, Cl. 206—65.
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Hunt, Rowland D. 3,279,554.
Tucknott, Robert G., and Midgley. 3,276,528.
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Ainsworth, John D. 3,290,578.
Aldworth, Harold E., and Sawko. 3,252,041.
Allmark, Reginald H. 3,239,686.
Beddoe, Stanley, and Molyneux. 3,277,252.
Caldwell, John, and Telfer. 3,275,295.
Calvesbert, James W., and Robinson. 3,252,038.
Chubb, John N. 3,270,172.
Denison, Samuel J. M., Allmark, and Jones. 3,252,145.
Feenan, John, Jacks, and Murphy. 3,288,968.
Gonek, Stanislaw M., and Rowlinson. 3,251,970.
Gonek, Stanislaw M., Rowlinson, Readman, Lockley, and Kidd. 3,236,982.
Halsey, Herbert. 3,236,260.
Hartland, Derek. 3,237,563.
Hartland, Derek. 3,237,564.
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Hoel, Hans. 3,275,963.
Jacks, Eric, Feenan, and Ollerton. 3,270,168.
Jacks, Eric, and Ollerton. 3,257,527.
Jacks, Eric, and Rowe. 3,227,331.
Jeffries, Thomas O., Long, and Smyth. 3,251,746.
Kerensky, Gleb. 3,236,498.
Kerensky, Gleb. 3,239,193.
Kerensky, Gleb. 3,275,008.
Kerensky, Gleb. 3,276,461.
Killoran, Brian. 3,238,480.
Long, Everett. 3,236,738.
McMillan, Peter W., and Hodgson. 3,231,456.
McMillan, Peter W., and Hodgson. 3,236,610.
Moscardi, Michael H. 3,250,978.
Paddison, Eric. 3,252,053.
Palmer, Thomas H. 3,233,233.
Palmer, Thomas H. 3,237,181.
Palmer, Thomas H. 3,251,654.
Pepper, Edward J. 3,250,975.
Ringrose, Bryan E. 3,252,069.
Rizk, Waheeb. 3,274,395.
Robinson, Alfred A. 3,274,527.
Tyrrell, Joseph F., and Janko. 3,251,136.
Vickers, Valentine J., and Pearson. 3,237,032.
Walker, Edward P. 3,258,648.
Watson, Henry, and Daltry. 3,251,408.
Wycliffe, Jozef P. 3,236,497.
Yeates, Kenneth T., and Jones. 3,237,031.
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Salam, Hassan P. A. 3,286,102.
Thomas, Roy. 3,265,974.
English Electric Valve Co. Ltd.: *See*—
Bagnall, John R. 3,264,513.
Banks, Peter B. 3,290,132.
Chalk, Graeme O. 3,293,479.
Harris, Neville W. 3,274,428.
Hendry, Eric D. 3,229,141.
Pickering, Alan H. 3,293,487.
Pickering, Alan H., Thompson, and Young. 3,275,957.
Staerck, Thomas H. 3,290,544.
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Newman, Howard, Moon, and English. 3,287,365.
Newman, Howard, Moon, and English. 3,287,366.
English, James F., and E. G. Zubler, to General Electric Co. Iodine cycle incandescent electric lamp. 3,240,975, 3–15–66, Cl. 313—222.
English, John C., to Eastman Kodak Co. Method for separation of hydrocarbons. 3,242,682, 3–29–66, Cl. 62—28.
English, Leonard W., to Auto-Klean Strainers Ltd. Liquid filtering apparatus with cleaning means. 3,278,036, 10–11–66, Cl. 210—333.
English, Lillian R. Combined lipstick and powder case. 3,233,615, 2–8–66, Cl. 132—83.
English Lovering Pochin & Co. Ltd.: *See*—
Gwilliam, Ralph D. 3,276,594.
English Numbering Machines Ltd.: *See*—
Bud, Hans. 3,292,663.
Dallen, Leslie F. 3,243,111.
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English, Ray H.: *See*—
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English, Richard A.: *See*—
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English, Richard A., to Carrier Corp. Absorption refrigeration. 3,250,087, 5–10–66, Cl. 62—495.
English, Robert M. Combustion apparatus and controlled draft inducer. 3,280,774, 10–25–66, Cl. 110—162.
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Starkie, David, and Astle-Fletcher. 3,226,792.
English, William D.: *See*—
Crawford, Robert F., and English. 3,279,908.
McCloskey, Allen L., Collins, and English. 3,255,153.
Woods, William G., English, and Bengelsdorf. 3,257,347.
Woods, William G., English, and Bengelsdorf. 3,257,442.
English, William D., and I. S. Bengelsdorf, to United States Borax & Chemical Corp. Curing a polyepoxide resin with an organodiboron compound. 3,269,960, 8–30–66, Cl. 260—2.
English, William D., I. S. Bengelsdorf, and G. W. Willcockson, to United States Borax & Chemical Corp. Cured polyepoxide resin compositions. 3,269,853. 8–30–66, Cl. 106—243.
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English, William K. Programmable sequence detector. 3,243,775, 3–29–66, Cl. 340—146.2.
English, William K., to AMP Inc. Programmable sequence detector. 3,245,035, 4–5–66, Cl. 340—146.2.
English, William K., to AMP Inc. Feedback shift register. 3,290,665, 12–6–66, Cl. 340—174.
Englund, Arvid E. Jr., to General Electric Co. Battery charging and protective circuit. 3,256,474, 6–14–66, Cl. 320—7.
Englund, Arvid E., Jr., and W. J. Little, to General Electric Co. Multivibrator with electrically variable pulse repetition frequency. 3,293,569, 12–20–66, Cl. 331—113.
Englund, Gosta R., and M. E. Mattsson, to Svenska Dataregister AB. Carry means for accounting machine. 3,244,367, 4–5–66, Cl. 235—137.

Englund, Gosta R., and M. E. Mattsson, to Svenska Dataregister AB. Program controlled accounting machine. 3,263,915, 8–2–66, Cl. 235—60.
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Engman, Milton C., and Van Zee. 3,261,579.
Engman, Milton C., and A. Van Zee, to Engman Mfg. Co. Universal muffler and tail pipe holding bracket. 3,261,579, 7–19–66, Cl. 248—60.
Engstrand, John C. Plug valves. 3,269,697, 8–30–66, Cl. 251—183.
Engstrom, Carl-Erik, to Allmanna Svenska Elektriska Aktiebolaget. Means for indicating load unbalance in multiple anode current ionic valves. 3,289,762, 8–8–66, Cl. 328—8.
Engstrom, Carl-Gunnar D., and P. Herzog. Respirator with nebulizer. 3,291,122, 12–13–66, Cl. 128—145.8.
Engstrom, Henry O. Blind rivet. 3,276,309, 10–4–66, Cl. 85—85.
Engstrom, William J. Tractor-mounted scoop. 3,260,386, 7–12–66, Cl. 214—140.
Engstrom, William J. Tractor coupling means. 3,266,817, 8–16–66, Cl. 280—461.
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Enloe, Kenneth M., and L. L. Peterson, to Kimberly-Clark Corp. Method of compressing creped paper tissue stacks at specific moisture content. 3,291,678, 12–13–66, Cl. 162—113.
Enloe, Louis H., to Bell Telephone Laboratories, Inc. Frequency modulation receiver with frequency restricted feedback. 3,238,460, 3–1–66, Cl. 325—346.
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Ennis, James W. Mitering and kerfing machine. 3,251,888, 5–17–66, Cl. 144—3.
Ennis, Thomas L.: *See*—
Murillo, George S., and Ennis. 3,241,167.
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Ennor, Kenneth S., and B. P. Griffin, to Imperial Chemical Industries Ltd. Production of thermoplastic polymeric materials. 3,287,444, 11–22–66, Cl. 260—879.
Enoch, Duard W., C. A. Kieffaber, C. C. Perkins, Jr., R. J. Schroeder, and M. A. Stickelber, to Interstate Bakeries Corp. Loaf packaging machine. 3,260,081, 7–12–66, Cl. 53—76.
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Ensign, George G., to Elgin National Watch Co. Waterproof watch. 3,252,280, 5–24–66, Cl. 58—90.
Ensign, Harold W., to D. G. Griswold. Tank filling valve. 3,261,382, 7–19–66, Cl. 141—207.
Ensign, Harold W., to D. G. Griswold. Backflow prevention device with improved pressure sensing means. 3,283,772, 11–8–66, Cl. 137—107.
Ensign, Robert H.: *See*—
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Ensley, Donald L. to Harvest Queen Mill & Elevator Co. Measurement of spherical standing waves. 3,240,049, 3–15–66, Cl. 73—1.
Ensley, Donald L., to Harvest Queen Mill & Elevator Co. Pendulous accelerometer. 3,280,641, 10–25–66, Cl. 73—516.
Ensley, Donald L. to Harvest Queen Mill & Elevator Co. Force restrained accelerometer. 3,283,589, 11–8–66, Cl. 73—516.
Ensley, Donald L., to Harvest Queen Mill & Elevator Co. Ultrasonic angular displacement system. 3,293,919, 12–27–66, Cl. 73—505.
Ensley, Glover C. Apparatus for installing lines through conduits. 3,244,402, 4–5–66, Cl. 254—134.3.
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Entschel, Roland, C. Mueller, and W. Wehrli, to Sandoz Ltd. (a/k/a Sandoz A.G.). Azo basic dyes. 3,252,965, 5–24–66, Cl. 260—154.
Entschel, Roland, C. Mueller, and W. Wehrli, to Sandoz Ltd. (a/k/a Sandoz A.G.). Azo basic dyes. 3,252,967, 5–24–66, Cl. 260—158.
Entwistle, Clive E. Method of constructing a tensile system of building construction. 3,279,142, 10–18–66, Cl. 52—745.
Entwistle, Clive E. Tensile system of building construction. 3,292,313, 12–20–66, Cl. 52—74.
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Soltis, Charles W. 3,280,540.
Soltis, Charles W. 3,280,541.
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Ephraim, Bernard, to Rich Engineering Inc. Testing and monitoring apparatus. 3,270,438, 9–6–66, Cl. 35—5.

Ephraim, Max, Jr., to General Motors Corp. Turbine inlet screen assembly. 3,286,459, 11–22–66, Cl. 60—13.

Ephraim, Max, Jr., C. R. Sakraida, and J. J. Kotlin, to General Motors Corp. Piston and piston cooling means. 3,240,193, 3–15–66, Cl. 123—41.35.

Ephraim, Salim N., to Reichhold Chemicals, Inc. Resinous composition of epoxidized p,p-dihydroxy, diphenyldimethylmethane, a phenal-formaldehyde novolac and an alkanolamine catalyst. 3,264,369, 8–2–66, Cl. 260—831.

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Eppenberger, Paul, to Gebruder Buehler. Mixing machine. 3,266,781. 8–16–66, Cl. 259—43.

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Epperly, William R., P. P. McCall, and W. J. Asher, to Esso Research and Engineering Co. Purification of N-paraffins by adsorption. 3,233,003, 2–1–66, Cl. 260—676.

Epperly, William R., and P. P. McCall, to Esso Research and Engineering Co. Separation process. 3,242,070, 3–22–66, Cl. 208—310.

Epperly, William R., and C. W. Tyson, Jr., to Esso Research and Engineering Co. Process for displacing agent containment. 3,271,303, 9–6–66, Cl. 208—310.

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Epstein, Herman, and R. S. Howell, to Burroughs Corp. Apparatus and method of electrostatic recording. 3,263,234, 7–26–66, Cl. 346—74.

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Epstein, Martin E., and A. W. Greenstreet, to Celanese Corp. of America. Spinning filaments from solution in concentrated sulfuric acid of a polyamide and salt. 3,269,970, 8–30–66, Cl. 260—30 8.

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Erchak, Michael, Jr., K. W. Doak, and R. M. Douglas, to Rexall Drug and Chemical Co. Process for polymerising ethylene at high pressures in the presence of a mixture of peroxides having different half lives. 3,293,233, 12–20–66, Cl. 260—94.9.

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Ercoli, Alberto, and R. Gardi, to Francesco Vismara S.p.A. Steroid 17β-yl acetals. 3,242,198, 3–22–66, Cl. 260—397.4.

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Erickson, Arthur W. Shock absorbing system for containers. 3,275,131, 9–27–66, Cl. 206—46.

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Erickson, Carl J., to Bofors, Aktiebolaget. Wire magazine for missiles. 3,286,947, 11–22–66, Cl. 242—128.

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Erickson, Charles D., J. L. Stansell, and S. Stasenko, to A. O. Smith Corp. Apparatus for separating gas from liquid. 3,252,473, 5–24–66, Cl. 137—174.

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Erickson, Clifford E., to General Electric Co. Clothes washer. 3,285,036, 11–15–66, Cl. 68—12.

Erickson, Clifford E., to General Electric Co. Clothes dryer with slanted combustion chamber. 3,291,467, 12–13–66, Cl. 263—33.

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Erickson, Howard L., L. A. Kolze, and W. R. McCarty, Jr., to The Dole Valve Co. Valve assembly controlling flow into, and discharge from, a fluid measuring chamber. 3,294,290, 12–27–66, Cl. 222—335.

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Erickson, Lester E. Tool for stripping metal braid shielding from insulated cable. 3,234,825, 2–15–66, Cl. 81—9.5.

Erickson, Norman B., to Chicago Musical Instrument Co. Electrical musical instrument. Re. 26,048, 6–28–66, Cl. 84—1.26.

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Erickson, Roy, to A. C. Grace Co. Safflower oil composition. 3,269,844, 8–30–66, Cl. 99—118.

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Ericson, Eric A., to General Electric Co. Polarizing means for busway plug. 3,273,103, 9–13–66, Cl. 339—22.

Ericson, Ernest A., to Esso Research and Engineering Co. Sphere director. 3,261,048, 7–19–66, Cl. 15—104.06.

Ericson, Harry A. H., to Sture Granberger, Firma. Nickel electroplating bath and process. 3,261,772, 7–19–66, Cl. 204—49.

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Eriksen, Carl F., to Sunstrand Corp. Ball way package. 3,245,731, 4–12–66, Cl. 308—6.

Eriksen, Carl F., to Sundstrand Corp. Machine tools. 3,264,905, 8–9–66, Cl. 77—3.

Eriksen, Herman E., to Polaroid Corp. Radiation detection device with an intensifier screen. 3,247,378, 4–19–66, Cl. 250—78.

Eriksen, Herman E., to Polaroid Corp. Apparatus for exposing and developing photosensitive elements. 3,253,145, 5–24–66, Cl. 250—65.

Eriksson, Alf. Hatch tent. 3,238,954, 3–8–66, Cl. 135—6.

Eriksson, Erik E., and J. O. Tegstrom, to Hagglund & Soner, Aktiebolaget. Speed control device responsive to counter E.M.F. 3,249,840, 5–3–66, Cl. 318—331.

Eriksson, Erik E., and V. Synek, to Svenska Kullagerfabriken, Aktiebolaget. Spherical roller bearing with barrel-shaped rollers. 3,290,102, 12–6–66, Cl. 308—213.

Eriksson, Erik H., to Mo Och Domsjo Aktiebolag. Coupling hook. 3,289,258, 12–6–66, Cl. 24—123.

Eriksson, Erik S., to Sunds Verkstader Aktiebolag. Self-suction filtering device. 3,258,125, 6–28–66, Cl. 210—396.

Eriksson, Ernst A., to The Carter's Ink Co. Writing instrument. 3,230,934, 1–25–66, Cl. 120—42.03.

Eriksson, Fritz G. Individually adjustable additional bottom for beds with spring-mattresses. 3,280,515, 10–25–66, Cl. 5—317.

Eriksson, George J., to Superior Concrete Accessories, Inc. Reglet assembly with spline connection therefor. 3,246,433, 4–19–66, Cl. 52—98.

Eriksson, George J., to Superior Concrete Accessories, Inc. Sectional hold-down anchor device. 3,286,419, 11–22–66, Cl. 52—225.

Eriksson, George J., and E. W. Klyce, to Superior Concrete Accessories, Inc. Hold-down anchor device for prestressed grouped cables. 3,230,678, 1–25–66, Cl. 52—226.

Eriksson, Leif, to Myiens Verksted, A/S. Bark-peeling apparatus. 3,286,746, 11–22–66, Cl. 144—208.

Eriksson, Stig L., to Fagersta Bruke Aktiebolag. Metal cutting tool with an adjustable unit serving as chip breaker and clamp. 3,281,920, 11–1–66, Cl. 29—96.

Eriksson, Sven G. Device for sucking liquid, air and solid particles. 3,289,591, 12–6–66, Cl. 103—25.

Erisman, Maurice J., to Link-Belt Co. Self-cleaning elevator boot device. 3,236,365, 2–22–66, Cl. 198—231.

Erisman, Maurice J., and L. M. Kaczmarski, to Link-Belt Co. Drier apparatus. 3,266,171, 8–16–66, Cl. 34—164.

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Erismann, Oskar, to Brown, Boveri & Cie Aktiengesellschaft. Starting a gas turbine by using an exciter dynamo as the starting motor. 3,271,579, 9–6–66, Cl. 290—32.

Erk, Adil: *See*—
Marx, Erwin, Erk, Ann, Schaper, Kruckewitt, Grosskopf, Konig, and Apostel. 3,281,561.

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Erkan, Gundus: *See*—
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Erkins, Robert A.: *See*—
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Erlandson, Paul M., to Continental Can Co., Inc. Magnetic impulse scoring and/or cutoff of electrically conductive sections. 3,288,006, 11–29–66, Cl. 83—6.

Eribacher, Robert W. Turntable towboat. 3,237,588, 3–1–66, Cl. 114—236.

Eribacher, Robert W. Slip box with liner. 3,287,771, 11–29–66, Cl. 22—112.

Erlemann, Gustav, W. Guex, and O. Schnider, to Hoffmann-La Roche Inc. Panthenol derivatives and processes for their preparation. 3,230,228, 1–18–66, Cl. 260—295.

Erlewine, Lester E. Truck body transfer system. 3,227,294, 1–4–66, Cl. 214—38.

Erman, William F., and H. C. Kretschmar, to The Procter & Gamble Co. Process for the conversion of cyclododecadiene carboxylic acid esters to 2,3,6,7,8,9-hexahydro-1H-bens[e]indene and derivatives thereof. 3,288,803, 11–29–66, Cl. 260—308.

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Erminy, Diamond E. Thread gauge adaptable to gauging various characteristics of machine screw threads. 3,267,583, 8–23–66, Cl. 33—199.

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Erner, William E., to Air Products and Chemicals, Inc. Aliphatic isocyanate preparation. 3,243,448, 3–29–66, Cl. 260—453.

Erner, William E., to Air Products and Chemical, Inc. Foam stabilizer oil. 3,270,032, 8–30–66, Cl. 260—326.5.

Erner, William E., to Air Products and Chemicals, Inc. Process for preparing aromatic nitriles. 3,284,483, 11–8–66, Cl. 260—465.

Erner, William E., A. Faarkas, and H. Graboyes, to Air Products and Chemicals, Inc. Polymerization catalysis. 3,272,763, 9–13–66, Cl. 260—2.5.

Ernest, Fred. Soap holder and adjustable loop. 3,251,571, 5–17–66, Cl. 248—359.

Ernest, Richard B., to Penn Engineering and Mfg. Corp. Self-locking nut having secured locking ring. 3,289,724, 12–6–66, Cl. 151—7.

Ernest, Robert P., and E. B. Pinkerton, to Ford Motor Co. Reciprocating machine and a method for assembling it. 3,279,267, 10–18–66, Cl. 74—44.

Ernisse, Paul J., to Eastman Kodak Co. Automatic exposure control system. 3,270,650, 9–6–66, Cl. 95—64.

Ernolf, Stig C.-O., to Electrolux, Aktiebolaget. Electrical appliance having switch controlled by its manipulating handle. 3,236,985, 2–22–66, Cl. 200—153.

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Hess, Albert R., Sleighter, and Ernsberger. 3,287,200.

Ernst, Adolphe O. G., to Societa Nationale d'Etude et de Construction de Moteurs d'Aviation. Jet deflector device operating by liquid injection. 3,294,323, 12–27–66, Cl. 239—265.23.

Ernst, Adolphe O. G., J. P. J. Jardinier, and J. Rona, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Aerodynamic or hydrodynamic servo-valve, especially for use for the guidance and stabilisation of rockets. 3,285,262, 11–15–66, Cl. 137—81.5.

Ernst, Adolphe O. G., R. A. Ferand, and F. J.-M. G. Tremouilles, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation. Rocket nozzle protection system. 3,292,376, 12–20–66, Cl. 60—35.6.

Ernst, Alfred. Internal combustion engine. 3,260,249, 7–12–66, Cl. 123—46.

Ernst, Dietrich, and C. Kessler, to Siemens-Schuckertwerke Aktiengesellschaft. Regulating system for turbines. 3,238,376, 3–1–66, Cl. 290—4.

Ernst, Earl A. Roller support for a potato grading device. 3,292,784, 12–20–66, Cl. 209—106.

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Ernst, Josef. Engine exhaust gas decontaminating device. 3,290,876, 12–13–66, Cl. 60—29.

Ernst, Marc H. M., to Les Petits-Fils de Leonard Danel. Sheets of coated paper. 3,294,571, 12–27–66, Cl. 117—36.3.

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Ernst, Robert, to Textilana Corp. Processes for producing acyclic surfactant sulfobetaines. 3,280,179, 10–18–66, Cl. 260—501.

Ernst, Theodore D., to Garlock Inc. Automotive dust covers. 3,250,138, 5–10–66, Cl. 74—18.1.

Ernst, Walter, to Bau-Stahlgewebe G.m.b.H. Support for mesh-like structures, especially for use in reinforced concrete. 3,245,191 4–12–66, Cl. 52—686.

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Ernyei, Herbert, and C. Le Rohellec, to Societe Lignes Telegraphiques et Telephoniques. Memory devices for storing the peak, instantaneous or integral values of the variable input. 3,284,616, 11–8–66, Cl. 235—150.5.

Erpel, Adolph C., to Navigation Computer Corp. Manually operated keyboard switch in a stationary mount with guided shaftway. 3,244,847, 4–5–66, Cl. 200—159.

Erpel, Adolph C., to Navigation Computer Corp. Typewriter key lever and mount therefor. 3,292,761, 12–20–66, Cl. 197—82.

Erpel, Adolph C., and J. P. Jones, Jr., to Navigation Computer Corp. High-speed impact print hammer assembly with resilient energy storing means. 3,266,419, 8–16–66, Cl. 101—93.

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Errede, Louis A., to Minnesota Mining and Mfg. Co. Spiro-di-O-xylylene, process for preparing same and Diels-Alder adducts thereof. 3,242,205, 3–22–66, Cl. 260—475.

Errede, Louis A., to Minnesota Mining and Mfg. Co. Pyrolysis of P-xylenes and halogenated hydrocarbons. 3,268,601, 8–23–66, Cl. 260—651

Errede, Louis A., to Minnesota Mining and Mfg. Co. Process for permanently cladding an inorganic surface with plastic and product made thereby. 3,287,197, 11–22–66, Cl. 156—272.

Erren, Rudolf A., to B. Engelhardt. Electrical inspection machine. 3,252,572, 5–24–66, Cl. 209—81.

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Erwin, John R., to General Electric Co. Reversible flow fan. 3,267,667, 8–23–66, Cl. 60—35.54.

Erwin, John R., to General Electric Co. Convertible radial flow fan. 3,267,668, 8–23–66, Cl. 60—35.54.

Erwin, Joseph O., Jr., and W. W. Hammel, Jr., to The Singer Co. Pattern control for tufting machine attachments. 3,272,163, 9–13–66, Cl. 112—79.

Erwin, Lee R., G. E. Gustavson, and D. W. McCallum, to Carrier Corp. Method of assembling a ceramic lined water heater. 3,268,989, 8–30–66, Cl. 29—157.3.

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Esch, George E. Pizza cutter. 3,286,573, 11–22–66, Cl. 83—490.

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Fechtig, Bruno, Bickel, Vischer, Eschenmoser, and Schreiber. 3,234,223.

Escher, Hans. Combustion furnace recuperators. 3,238,902, 3–8–66, Cl. 110—56.

Escher, William J. D. Pressure vessel. 3,228,187, 1–11–66, Cl. 60—35.6.

Escher, William J. D., to United States of America, National Aeronautics and Space Administration. Injector assembly for liquid fueled rocket engines. 3,270,499, 9–6–66, Cl. 60—35.6.

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Esposito, Vincent J., Jr., to Fore Co., Inc. Molded bottle caps with integral pressure actuated sealing means. 3,244,308, 4–5–66, Cl. 215—52.
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Lybrook, Arnold T. 3,238,354.
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Evans, Earl R. Direct-dialing long-distance telephone systems. 3,284,578, 11–8–66, Cl. 179—90.

Evans, Earl S., to Allis-Chalmers Mfg. Co. Dynamoelectric machine core and method of making same. 3,260,875, 7–12–66, Cl. 310—217.

Evans, Edward D., and C. H. Hopkins, to Skelly Oil Co. Reaction products of ozonized fatty acids and alkylene polyamines. 3,246,008, 4–12–66, Cl. 260—309.6.

Evans, Edward D., and C. H. Hopkins, to Skelly Oil Co. Anti-stripping agents for bituminous materials. 3,249,451, 5–3–66, Cl. 106—279.

Evans, Edward M., V. Lewis, and H. Williams, to The Distillers Co. Ltd. Coating compositions. 3,293,058, 12–20–66, Cl. 106—253.

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Evans, George J., Jr., to International Business Machines Corp. Counter controlled remote station transmission to central data collecting station. 3,244,805, 4–5–66, Cl. 178—3.

Evans, George Q. Stacking frame assembly for a pallet. 3,289,613, 12–6–66, Cl. 108—53.

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Evans, James W. Athletic swing measurement system. 3,270,564, 9–6–66, Cl. 73—432.

Evans, James W., and K. E. Schwarz, to Corning Glass Works. Method for finishing glass surfaces. 3,236,010, 2–22–66, Cl. 51—283.

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Evans, Robert J., to Aurora Equipment Co. Shelving structure. 3,294,250, 12–27–66, Cl. 211—176.

Evans, Robert P. Fluid administration apparatus. 3,251,390, 5–17–66, Cl. 150—3.

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Evans, Trevor E. Incinerator with afterburner. 3,259,083, 7–5–66, Cl. 110—8.

Evans, Wade V., Jr., to Texaco Experiment Inc. Torque increasing device for a series commutator motor. 3,292,069, 12–13–66, Cl. 318—345.

Evans, Wallace R., Jr., to Celanese Corp. of America. Recovery of organic solvents from gaseous media. 3,232,029, 2–1–66, Cl. 55—71.

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Evans, Wendell I., to The Cincinnati Milling Machine Co. Tracing mechanism for amplified flow. 3,286,599, 11–22–66, Cl. 91—36.

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Evans, William E., Jr., to A. B. Dick Co. Typewriter encoding attachment. 3,261,914, 7–19–66, Cl. 178—81.

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Jones, Ronald H., and Evans. 3,286,161.

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Evans, William R., to AMP Inc. Electrical connector and electrical contact. 3,253,190, 5–24–66, Cl. 317—101.

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Evans, William R., to AMP Inc. Electrical connecting system and parts. 3,270,251, 8–30–66, Cl. 317—101.

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Everburg, Donald E., to American Optical Co. Display fixture. 3,229,944, 1–18–66, Cl. 248—223.

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Everett, John P., to Stromberg-Carlson Corp. Four-layer diode network for identifying parties on a telephone line. 3,278,687, 10–11–66, Cl. 179—17.

Everett, Olga G. Combination coat and skirt hanger. 3,261,518, 7–19–66, Cl. 223—91.

Everett, Patrick N., B. Dale, and J. Royan, to Transitron Electronic Corp. Encapsulated diode assembly. 3,249,829, 5–3–66, Cl. 317—234.

Everett, Wilhelm S. Fluid surge dampener. 3,292,661, 12–20–66, Cl. 138—26.

Everett, Wilhelm S., and J. F. Richards, said Richards assor. to said Everett. Fluid silencing improvements for pumps. 3,292,733, 12–20–66, Cl. 181—57.

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Everston, Joseph H. Therapeutic bathtub having plural aspirating fitting. 3,263,678, 8–2–66, Cl. 128—66.

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Eveson, Geoffrey F., and G. T. Richards, to Head Wrightson & Co. Ltd. Drying and separation of particulate solids of different specific gravities. 3,261,463, 7–19–66, Cl. 209—11.

Eveson, Geoffrey F., and G. T. Richards, to Head, Wrightson, & Co. Ltd. Method and apparatus for drying and separating solid articles. 3,288,282, 11–29–66, Cl. 209—11.

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Ewers, Robert S., to Bodendieck Tool Co. High voltage unshielded insulated electrical jumper. 3,259,875, 7–5–66, Cl. 339—117.

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Ewing, Alvin L., J. O. Haw, and R. L. Terrell, to E. I. du Pont de Nemours and Co. Chuck for tubular cores. 3,272,447, 9-13-66, Cl. 242—46.5.

Ewing, Harry R. Adjustable chip-breaker. 3,273,221, 9-20-66, Cl. 29—96.

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Ewing, John A. Receptacle for currency and the like. 3,292,849, 12-20-66, Cl. 232—43.2.

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Fallis, Charles, C. H. Mayer, Jr., and A. Rodgers, to The Fire Guard Corp. Control device. 3,262,323, 7–26–66, Cl. 74—2.
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Fanning, Robert J., R. G. Bruce, to Continental Oil Co. Determination of aluminum concentration in hydrocarbon streams by use of K-capture radioactivity. 3,254,213, 5–31–66, Cl. 250—43.5.
Fanning, William J., to Western Electric Co., Inc. Wound capacitor. 3,242,403, 3–22–66, Cl. 317—260.
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Farr, Richard S., and P. A. Labadie, to Farr Co. Dust separating device. 3,237,386, 3–1–66, Cl. 55—443.

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Farrar, John, and R. W. Sprague, to North American Aviation, Inc. Stabilized fuel composition comprising a hydrazine and certain amines. 3,283,507, 11–8–66, Cl. 60—215.

Farrar, Martin W., and K. G. Johnston, to Monsanto Co. Process for treatment of plasticizers. 3,293,282, 12–20–66, Cl. 260—475.

Farrar, Richard E., and J. L. Sweeney, to Colgate-Palmolive Co. Process for manufacturing detergent tablet. 3,231,505, 1–25–66, Cl. 252—138.

Farrar, Richard E., J. J. Russett, and B. J. Zmoda, to Colgate-Palmolive Co. Dispensing of reactive cleansing materials. 3,289,887, 12–6–66, Cl. 222—1.

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Farrell, James H., and G. Henry, to Flow Corp. Insertion device. 3,289,303, 12–6–66, Cl. 33—126.

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Farrell, Sherman R., to High Voltage Engineering Corp. Rotatable charged particle beam deflector. 3,230,409, 1–18–66, Cl. 313—60.

Farrell, Sherman R., to High Voltage Engineering Corp. Charged particle beam current measuring device. 3,239,664, 3–8–66, Cl. 250—49.5.

Farrell, Sherman R., and R. C. Marker, to High Voltage Engineering Corp. X-ray target. 3,239,706, 3–8–66, Cl. 313—55.

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Farrissey, William J., Jr., to Esso Research and Engineering Co. Dehydration of hydroperoxides to ketones. 3,291,834, 12–13–66, Cl. 260—586.

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Farrow, Tom J., to Owens-Illinois Glass Co. Method and apparatus for electroforming split glassware molds. 3,285,835, 11–15–66, Cl. 204—6.

Farrow, Wendall M., and B. Tabenkin, to Hoffmann-La Roche Inc. Process for the preparation of lutein. 3,280,502, 10–25–66, Cl. 47—1.4.

Farry, Otis T., to Wagner Electric Corp. Polyphase transformer with A-winding arrangement. 3,258,725, 6–28–66, Cl. 336—12.

Farthing, Horace E. Devices for indicating pressure or temperature changes in pneumatic tires. 3,281,784, 10–25–66, Cl. 340—58.

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Fathauer, David F. and G. H. 3,231,814.

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Fatica, Nicholas, to United States of America, Navy. Propulsion system. 3,229,462, 1–18–66, Cl. 60—39.2.

Fatica, Nicholas, to United States of America, Navy. Hydrogen generator. 3,291,572, 12–13–66, Cl. 23—281.

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Fatuzzo, Ennio, and H. Roetschi, to Radio Corp. of America. Ferroelectric storage means. 3,281,800, 10–25–66, Cl. 340—173.2.

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Faucette, Robert T., Jr. Partially assembled wheelbarrow. 3,235,281, 2–15–66, Cl. 280—47.31.

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Faul, Thomas L., to Aqua-Marine Mfg. Ltd. Navigation light for boats. 3,253,136, 5–24–66, Cl. 240—7.5.

Faulconer, William M., and W. C. Fisher, to Phillips Petroleum Co. Earthen storage for volatile liquids and method of constructing same. 3,287,914, 11–29–66, Cl. 61—.5.

Faulhaber, Mark E., and P. D. Schnelle, to E. I. du Pont de Nemours and Co. Color coordinate computer. 3,233,087, 2–1–66, Cl. 235—193.

Faulhaber, Tilio. Dimming rear-view mirror containing light absorbing liquid and having pump means. 3,259,017, 7–5–66, Cl. 88—77.

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Faulk, Donald P., and J. S. Gassaway, to Electra Scientific Corp. Accelerometer and method of manufacture. 3,229,128, 1–11–66, Cl. 310—8.4.

Faulkner, Alfred H., to Automatic Electric Laboratories, Inc. Impulse regenerator using electronic detection. 3,278,908, 10–11–66, Cl. 340—173.

Faulkner, Ellis M., 3rd, to Albany Billiard Ball Co. Molded plastic game ball. 3,228,686, 1–11–66, Cl. 273—59.

Faulkner, Ellis M., 3rd, to Albany Billiard Ball Co. Bowling pin with wear-resistant insert and interlocking retainer. 3,232,615, 2–1–66, Cl. 273—82.

Faulkner, Eric A., to National Research Development Corp. Calibrator for use with a magnetic resonance spectrometer. 3,281,680, 10–25–66, Cl. 324—58.

Faulkner, Evan J., L. N. Hocking, and J. Aberne-Heron. Wax emulsion for use in precision casting. 3,266,915, 8–16–66, Cl. 106—38.8.

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Faulkner, George D., to Trak Microwave Corp. Microwave oscillator with variable bimetallic frequency stabilizer. 3,259,853, 7–5–66, Cl. 331—98.

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Rieppel, Perry J., Faulkner, Nelson, and Cook. 3,277,567.

Faulkner, James L., to Burlington Industries, Inc. Hosiery boarding clamp. 3,283,970, 11–8–66, Cl. 223—75.

Faulkner, Joseph A., C. J. Black, and R. G. Rolfe, to United States of America, Navy. Shaft angle to time interval converter. 3,274,585, 9–20–66, Cl. 340—347.

Faulkner, Le Roy M., and C. W. Hewlett, Jr., to General Electric Co. Self-synchronized controller for "bumpless" transfer between manual and automatic modes. 3,290,502, 12–6–66, Cl. 317—231.

Faulkner, Raymond N., and L. A. O'Neill, to United States of America, Agriculture. Film-forming organometallic derivatives of fatty acids. 3,258,475, 6–28–66, Cl. 260—414.

Faulkner, Richard R., to Hammond Machinery Builders, Inc. Work-holding device. 3,272,732, 9–13–66, Cl. 204—297.

Faull, James K. Tube piercing apparatus. 3,234,838, 2–15–66, Cl. 83—454.

Faull, James K. Methods of and devices for forming apertures in tubular stock. 3,256,730, 6–21–66, Cl. 72—324.

Faulstich, Marga, to Jenaer Glaswerk Schott & Gen. Optical glass. 3,248,238, 4–26–66, Cl. 106—54.

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Faure, Anthony G. and C. A. Grahn, to Lever Brothers Co. Apparatus for contacting phases of different densities. 3,233,876, 2–8–66, Cl. 259—96.

Faure, Marc, to Societe Bertin & Cie. Movable platform resting on an air cushion enclosed inside at least one yielding preferably circular skirt. 3,272,275, 9–13–66, Cl. 180—7.

Fausek, Irwing F., and R. F. Lamping, to Modern Engineering Co. Lager valve. 3,273,587, 9–20–66, Cl. 137—323.

Fauser, Donald L., and E. R. Kolb, to Harris-Intertype Corp. Method of developing electrostatic images and liquid developer. 3,241,957, 3–22–66, Cl. 96—1.

Fauser, Donald L., R. H. Sturik, and D. N. Adams, to Harris-Intertype Corp. Etched letterpress plate and process of preparing same. 3,244,569, 4–5–66, Cl. 156—13.

Fauser, Donald L., and E. R. Kolb, to Harris-Intertype Corp. Liquid developer for electrostatic charge images. 3,256,197, 6–14–66, Cl. 252—62.1.

Fauser, Giacomo, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Production of acetylene and olefins by partial combustion of hydrocarbons. 3,244,765, 4–5–66, Cl. 260—679.

Fauser, Giacomo, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Apparatus for acetylene production by partial combustion of hydrocarbons. 3,246,957, 4–19–66, Cl. 23—277.

Fauser, Giacomo, to Montecatini, Societa Generale per l'Industria Mineraria e Chimica. Production of acetylene and olefins by pyrolysis of hydrocarbons. 3,248,445, 4–26–66, Cl. 260—679.

Faust, Charles L.: *See*—
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Faust, Ellsworth E.: *See*—
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Faust, Ernest H. Automobile anti-skid chain assembly attachment. 3,265,110, 8–9–66, Cl. 152—242.

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Faust, Nile E. Internal combustion engine. 3,254,636, 6–7–66, Cl. 123—78.

Faust, Stewart W.: *See*—
Smith, Thomas R., and Faust. 3,226,959.

Faust, Walter L., R. A. McFarlane, C. K. N. Patel, and W. R. Bennett, Jr., to Bell Telephone Laboratories, Inc. Optical maser employing multiple gases. 3,278,858, 10–11–66, Cl. 331—94.5.

Faustini, Remo, G. Gasparini, A. Tardani, and R. Barchielli, to Societa Farmaceutici Italia. Feed containing *Nocardia rugosa* free from vitamin B_{12}. 3,266,901, 8–16–66, Cl. 99—9.

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Faux, Alfred W., and R. E. Helland, to Norman Wade Co., Ltd. Balancing mechanism for drafting tables. 3,267,878, 8–23–66, Cl. 108—2.

Favalier, Jean L., to Thomson-Varian. Plasma tube for microwave circuits. 3,292,101, 12–13–66, Cl. 331—83.

Favin, David L.: *See*—
Anderson, Theodore C., and Favin. 3,271,666.

Favin, David L., to Bell Telephone Laboratories, Inc. Impulse counter employing blocking oscillator-transistor combination, and timing circuit for preventing false outputs. 3,233,124, 2–1–66, Cl. 307—88.5.

Favre, Marcel, to Gebr. Staubli & Co. Drive-mechanism in double lift dobbies. 3,285,291, 11–15–66, Cl. 139—68.

Favre, Maurice, to CSF-Compagnie Generale de Telegraphie Sans Fil. Electron discharge device having a plurality of emissive surfaces. 3,278,791, 10–11–66, Cl. 315—3.5.

Favre, Robert, to Fabriques Movado. Electronic means for stabilising the speed of a time-piece motor. 3,229,178, 1–11–66, Cl. 318—138.

Favre, Robert, to Fabriques Movado. Self commutating rotor with screen disc. 3,242,404, 3–22–66, Cl. 318—138.

Favre, Robert, to Fabriques Movado. Feed back controlled electromagnetic drive for oscillators. 3,248,623, 4–26–66, Cl. 318—132.

Favre, Robert. Electronic watch. 3,277,643, 10–11–66, Cl. 58—23.

Favre, Robert, to Golay, Buchel & Cie. S.A. Rotary electric machine. 3,289,021, 11–29–66, Cl. 310—168.

Favre, Robert, to Buchel Golay & Cie S.A. Single-phase electric motors. 3,293,467, 12–20–56, Cl. 310—156.

Favreau, Robert L., to E. I. du Pont de Nemours and Co. Composition comprising (1) polyvinyl acetate, (2) the glyceryl of maleic anhydride treated rosin, (3) wax, and (4) a particulate antiblocking agent. 3,280,061, 10–18–66, Cl. 260—27.

Favrot, Paul, to Landis-Gendron S.A. Means for axially reciprocating a revolving shaft. 3,227,049, 1–4–66, Cl. 91—39.

Favrot, Paul, to Landis-Gendron S.A. Device to compensate the unbalance of a rotating part. 3,277,740, 10–11–66, Cl. 74—573.

Faw, Wendell G., and R. C. Forrester, to Eastman Kodak Co. Methods for producing blended yarn. 3,251,097, 5–17–66, Cl. 19—145.5.

Fawcett, Frank S., to E. I. du Pont de Nemours and Co. Method for the separation of COF_2 and HCl. 3,253,029, 5–24–66, Cl. 260—544.

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Fawell, Joseph E. Hoist safety device. 3,233,746, 2–8–66, Cl. 212—86.

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Allen, John D. 3,273,468.
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Fawick, Thomas L.: *See*—
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Fawick, Thomas L., to Fawick Corp. Flexible coupling. 3,279,217, 10–18–66, Cl. 64—15.

Fawick, Thomas L., to Fawick Corp. Drive cup in magnetic clutch or brake. 3,291,272, 12–13–66, Cl. 192—84.

Fawkes, Donald G., to Henry Pratt Co. Butterfly valve with frusto-conical metal seat. 3,275,289, 9–27–66, Cl. 250—306.

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Fawzy, Moharram M., to United Aircraft Corp. Hysteresis motor. 3,261,996, 7–19–66, Cl. 310—86.

Faxen, Per T., and K. A. Rosell, to Svenska Aeroplan Aktiebolaget. Toss bombing instrumentality. 3,264,451, 8–2–66, Cl. 235—61.5.

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Fay, Allyn C. Bath tub fitted with removable panel, center drain and wall sealing means. 3,257,669, 6–28–66, Cl. 4—173.

Fay, Charles F.: *See*—
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Harshberger, Samuel D., McKee, Fay, and F. L. Harshberger. 3,240,847.

Fay, Edward W. Carriers for trays and the like. 3,251,521, 5–17–66, Cl. 224—45.

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Fay, James E., to Fay Pipe and Pile Inc. Spiral pipe machine. 3,269,162, 8–30–66, Cl. 72—145.

Fay, James E., to Fay Pipe and Pile Co., Inc. Method and apparatus for forming spiral pipe. 3,287,536, 11–22–66, Cl. 219—62.

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Docimo, Peter J., and Feig. 3,248,536.
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Felth, Frank, and W. Valavaara, to Terry Machinery Co., a Div. of Textron Canada Ltd. Portable self-priming pump construction. 3,266,428, 8–16–66, Cl. 103—113.
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Reznick, David E., and Fekete. 3,227,150.
Fekete, Frank, to P. J. Keenan, and W. J. Plant, to H. H. Robertson Co. Hydroxy polyether polyesters having terminal ethylenically unsaturated groups. 3,256,226, 6–14–66, Cl. 260—23.3
Fekete, Josef M.: *See*—
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Fekete, Joseph. Plastic closure device. 3,263,292, 8–2–66, Cl. 24—206.
Fekete, Joseph. Shape retaining lining for a hat or cap. 3,276,038, 10–4–66, Cl. 2—172.
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Fekete, Stephen I., to Mannix International Inc. Railroad track gripping apparatus. 3,274,952, 9–27–66, Cl. 104—7.
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Felcheck, Marvin, to American Machine & Foundry Co. Multiple relay driver. 3,231,786, 1–25–66, Cl. 317—148.5.
Felcheck, Marvin, to American Machine & Foundry Co. Bidirectional shifting device using regenerative semiconductors. 3,248,562, 4–26–66, Cl. 307—88.5.
Felcheck, Marvin, and N. N. Murthy, to American Machine & Foundry Co. Apparatus for selectively supplying electrical pulses of different widths to a plurality of load devices. 3,258,613, 6–28–66, Cl. 307—88.5.
Felcheck, Marvin, and J. J. Walker, to American Machine & Foundry Co. Bidirectional pulse counting circuits with NOR and NAND logic. 3,295,063, 12–27–66, Cl. 328—44.
Feld, Robert T., to Mobil Oil Corp. Method and apparatus for monitoring and controlling the ratio of vapor volume to liquid volume of a fluid. 3,276,460, 10–4–66, Cl. 137—3.
Feld, Walter, to Siemens-Electrogerate Aktiengesellschaft. Electric instantaneous water heater. 3,247,359, 4–19–66, Cl. 219—303.
Felder, Hans C., G. Schilling, K. H. Zennig, and K. J. Boehnke, to Sperry Rand Corp. Record card punching machine. 3,275,234, 9–27–66, Cl. 234—58.
Felder, Kuno, S. Wittwer, R. Bogershausen, and B. Kreitz. Cutting device for cutting the selvedge tube of a fabric. 3,237,655, 3–1–66, Cl. 139—291.
Felder, Thomas D., Jr., to E. I. du Pont de Nemours and Co. Apparatus for converting oxides of nitrogen to innocuous gases. 3,232,713, 2–1–66, Cl. 23—277.
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Feldman, Edward F., to The Singer Mfg. Co. Frequency response testing system employing precalibrated frequency sweeps. 3,253,216, 5–24–66, Cl. 324—57.
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Feldman, Julian, and B. A. Saffer, to National Distillers and Chemical Corp. Promoters for dimerization. 3,227,767, 1–4–66, Cl. 260—666.
Feldman, Julian, B. A. Saffer, and M. Thomas, to National Distillers and Chemical Corp. Cycloolefin trimers. 3,251,-893, 5–17–66, Cl. 260—666.
Feldman, Julian, B. A. Saffer, and O. D. Frampton, to National Distillers and Chemical Corp. Linear octatrienes. 3,284,-529, 11–8–66, Cl. 260—677.
Feldman, Lawrence. Pocket flashlight. 3,244,871, 4–5–66, Cl. 240—10.66.
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Feldman, Stanley, to Motorola, Inc. Suppressed carrier modulator. 3,229,230, 1–11–66, Cl. 332—44.
Feldmann, Hans-Helmut, to Licentia Patent-Verwaltungs-G.m.b.H. Cyclotron-type particle accelerator. 3,227,957, 1–4–66, Cl. 328—234.
Feldmann, Klaus, K. Frank, and J. Cziska, to Knapsack Griesheim Aktiengesellschaft. Ferrosilicon-alloy. 3,243,-288, 3–29–66, Cl. 75—124.
Feldmann, Klaus, and K. Frank, to Knapsack-Griesheim Aktiengesellschaft. Ferrosilicon as a deoxidizing, inoculating and/or alloying agent. 3,278,294, 10–11–66, Cl. 75—24.
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Feldt, Charles A., and G. T. Kekish, to Nalco Chemical Co. Strong base anion exchange resins from polymeric tertiary amines. 3,234,150, 2–8–66, Cl. 260—2.1.
Feldwisch, Philip. Automatic turning machine with automatic dimensional control. 3,293,960, 12–27–66, Cl. 82—2.
Felici, Noel J., and R. Tholome, to Samea Societe Anonyme de Machines Electrostatiques. Spray-coating apparatus. 3,279,429, 10–18–66, Cl. 118—627.
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Felix, Michael O., to Ampex Corp. Temperature and frequency stable amplifier. 3,267,387, 8–16–66, Cl. 330—17.
Felix, Michael O., to Ampex Corp. Heterodyne modulator using a minimum of transistors. 3,287,664, 11–22–66, Cl. 332—23.
Felix, Stanley E.: *See*—
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Felixon, Efim I., to Nauchno-Issledovatelsky i Konstruk-Torsky Institute ispytaielmykh mashin priboron i sredsh izmerenia. Pneumatic ball-type vibromotor. 3,266,327, 8–16–66, Cl. 74—87.
Feliz, Jack M. Stair climbing conveyance. 3,288,234, 11–29–66, Cl. 180—6.5.
Feliziani, Mauro. Magnetically actuated motile toy device. 3,237,345, 3–1–66, Cl. 46—235.
Felkay, Miklos, to Tip Top Brush Co., Inc. Display hanger for packaged merchandise. 3,245,547, 4–12–66, Cl. 211—59.
Felker, David E., and G. S. Fowler, to Western Electric Co. Inc. Method and apparatus for assembling wires in a plurality of apertured parts. 3,276,854, 10–4–66, Cl. 65—59.
Felker, Paul J., to Penetred Corp. Method for forming non-skid tire treads. 3,283,053, 11–1–66, Cl. 264—277.
Fell, A. & M., Ltd.: *See*—
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Leone, Nick A. 3,274,774.
Fell, Ferol S., to Hesston Mfg. Co., Inc. Power transmission and steering assembly. 3,280,647, 10–25–66, Cl. 74—220.
Fell, Ferol S., and R. A. Adee, to Hesston Mfg. Co., Inc. Windrower-conditioner. 3,241,300, 3–22–66, Cl. 56—23.
Fell, Robert A., to A. & M. Fell Ltd. Segmented timer device and wiper carriage with means to boost the carriage when changing segments. 3,268,676, 8–23–66, Cl. 200—37.
Fell, William B. Linearity testing gauge. 3,226,832, 1–4–66, Cl. 33—86.
Felland, Raymond G. Hair cutting apparatus. 3,230,619, 1–25–66, Cl. 30—133.
Fellendorf, Frederick G., and A. P. Colaiaco, to Westinghouse Electric Corp. Semiconductor rectifier assembly. 3,275,-921, 9–27–66, Cl. 321—8.
Feller, Albert, to Radio Corp. of America. Inverter circuit in which a coupling transistor functions similar to charge storage diode. 3,265,906, 8–9–66, Cl. 307—88.5.
Feller, Fritz, to Rolls-Royce Ltd. Rotary internal combustion engine. 3,228,183, 1–11–66, Cl. 60—15.
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Fellman, Morton R. Apparatus for cutting teeth in wood members. 3,288,181, 11–29–66, Cl. 144—1.
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Fellowes, John E., to Bankers Box Co. Container for records. 3,286,714, 11–22–66, Cl. 129—31.
Fellows, Albert T., to Socony Mobil Oil Co., Inc. Method and contact material for chemical conversion in presence of nuclear fission fragments. 3,228,848, 1–11–66, Cl. 176—39.
Fellows, Albert T., to Socony Mobil Oil Co., Inc. Utilization of nuclear fission for chemical reactions. 3,228,849, 1–11–66, Cl. 176—39.
Fellows, Albert T., to Socony Mobil Oil Co., Inc. Chemical conversion in presence of nuclear fission fragments. 3,228,-850, 1–11–66, Cl. 176—39.
Fellows, Paul J.: *See*—
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Felsenthal, Robert M., to Exmet Corp. Apparatus for producing expanded metal. 3,268,974, 8–30–66, Cl. 29—6.2.
Felsher, William. Electrical flashing and sounding toys. 3,232,004, 2–1–66, Cl. 46—227.
Felsher, William. Magnetically activated controls for toys. 3,266,187, 8–16–66, Cl. 46—239.
Felson, Ronald. Circuit breakers having self-cleaning and self-adjusting contacts which are very easily replaceable. 3,249,730, 5–3–66, Cl. 200—166.
Felstehausen, Eugene F., to Brunswick Corp. Door mechanism. 3,276,838, 10–4–66, Cl. 312—223.
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Feltman, John P., Jr., and W. J. Piemonte. High speed rotor used for centrifugal separation. 3,248,046, 4–26–66, Cl. 233—26.
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Felton, Herman R., and J. W. Williams, to E. I. du Pont de Nemours and Co. Process and device for analyzing binary fluid mixtures. 3,264,862, 8–9–66, Cl. 73—25.
Feltrop, Floyd L. Self-leveling ladder. 3,233,702, 2–8–66, Cl. 182—202.
Felts, Robert, to The Cincinnati Shaper Co. Method and apparatus for forming metal. 3,273,365, 9–20–66, Cl. 72—56.
Felts, Wallace M., to Fruehauf Trailer Co. Vehicle loader. 3,269,572, 8–30–66, Cl. 214—302.
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Feltzin, Joseph, and W. Spiess, to Aerojet-General Corp. Polymeric silicates. 3,250,743, 5–10–66, Cl. 260—46.5.
Fend, Fritz, to Fichtel & Sachs A.G. Breaker unit for the ignition system of an internal combustion engine. 3,265,-051, 8–9–66, Cl. 123—148.
Fend, Heinrich: *See*—
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Fend, Heinrich, to Verwaltungsgesellschaft der Werkzeugmaschinenfabrik Oerlikon. Shuttle guiding and driving means in wave weaving looms. 3,233,633, 2–8–66, Cl. 139—12.
Fend, Heinrich, to Verwaltungsgesellschaft der Werkzeugmaschinenfabrik Oerlikon. Weaving machine. 3,237,649, 3–1–66, Cl. 139—12.
Fend, Heinrich, to Verwaltungsgellschaft der Werkzeugmaschinen Fabrik Oerlikon. Reed and shuttle driving apparatus for a progressively shedding type loom. 3,241,573, 3–22–66, Cl. 139—12.
Fend, Heinrich, to Verwaltungsgesellschaft der Werkzeugmaschinenfabrik Oerlikon. Drive arrangement with stepwise power take-off, particularly adapted for utilization with looms. 3,246,673, 4–19–66, Cl. 139—1.
Fend, Heinrich, to Verwaltungsgesellschaft der Werkzeugmaschinenfabrik Oerlikon. Weaving machine. 3,255,782, 6–14–66, Cl. 139—12.
Fend, Heinrich, to Verwaltungsgesellschaft der Werkzeugmaschinenfabrik Oerlikon. Shed forming mechanism for wave weaving looms. 3,258,035, 6–28–66, Cl. 139—12.
Fend, Heinrich, to Verwaltungsgesellschaft der Werkzeugmaschinen-Fabrik Oerlikon. Means and method for unweaving in wave weaving looms. 3,273,602, 9–20–66, Cl. 139—1.
Fender, Clarence L., to Columbia Records Distribution. Electromagnetic pickup for electrical musical instruments. 3,236,930, 2–22–66, Cl. 84—1.15.
Fender, Clarence L., to Columbia Records Distribution Corp. Guitar incorporating inertial vibrato device. 3,241,418, 3–22–66, Cl. 84—313.
Fender, Clarence L., to Columbia Records Distributing Corp. Mute or damper device for a guitar. 3,260,148, 7–12–66, Cl. 84—267.
Fender, Clarence L., to Columbia Broadcasting System, Inc. Loud speaker construction. 3,284,581, 11–8–66, Cl. 179—115.5.
Fender, Clarence L., to Columbia Records Distribution Corp. Electric guitar incorporating improved electromagnetic pickup assembly, and improved circuit means. 3,290,424, 12–6–66, Cl. 84—1.16.
Fender, Clarence L., to Columbia Records Distribution Corp. Bridge constructions for guitars. 3,290,980, 12–13–66, Cl. 84—307.
Fender, Lawrence E. Dispenser for particulate material. 3,276,637, 10–4–66, Cl. 222—345.
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Fender, Norman N., to Universal American Corp. Parking brake control. 3,236,120, 2–22–66, Cl. 74—531.
Fendler, Heinz G., and W. Ringeis, to Licentia Patent-Verwaltungs-G.m.b.H. Shielding arrangement for nuclear reactors. 3,280,330, 10–18–66, Cl. 250—108.
Fendler, Robert H., and A. Mitchel. Viscous fluid extrusion apparatus. 3,272,401, 9–13–66, Cl. 222—326.
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Wozniak, Albert J., and Stoos. 3,267,624.
Feng, Chung L., to Selas Corp. of America. Method of uniformly heating metal pieces. 3,234,055, 2–8–66, Cl. 148—13.1.
Feng, I-Ming, to Esso Research and Engineering Co. Lubricants containing polymeric additives. 3,278,433, 10–11–66, Cl. 252—48.4.
Fengler, Harald, K. Phleps, and G. Schnall, to Agfa Aktiengesellschaft. Sheet feeding apparatus for duplicators. 3,278,181, 10–11–66, Cl. 271—22.
Fengler, Werner H. Analog magnetic tape-controlled machine. 3,230,836, 1–25–66, Cl. 90—13.5.
Fenimore, Gerald E., W. R. McConnell, and L. M. Nave, to Hazeltine Research, Inc. Data converter system. 3,293,-614, 12–20–66, Cl. 340—172.5.
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Fenlason, Charles E. Method of making a metal embossing matrix such as an embossing roll. 3,226,800, 1–4–66, Cl. 29—148.4.
Fenn, John B.: *See*—
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Fenn, Raymond T., and E. F. D'Aloisio, to The New Britain Machine Co. Automatic feed mechanism for a machine tool. 3,228,270, 1–11–66, Cl. 82—14.
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Fennell, Anthony A. Heat transfer system for a liquid bath. 3,267,993, 8–23–66, Cl. 165—26.
Fennell, Anthony A. System for adding fluid fuel to furnace blast. 3,272,617, 9–13–66, Cl. 75—42.
Fennell, Arthur W., Jr., to Westinghouse Electric Corp. D.C. machine and internal connections therefor. 3,275,864, 9–27–66, Cl. 310—180.
Fennell, Charles H. Steel ban cutter tool. 3,237,302, 3–1–66, Cl. 30—135.
Fennell, Charles H. Safety tool cutter for steel straps. 3,237,303, 3–1–66, Cl. 30—135.
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Fenner, Gunther E., to General Electric Co. FM stereo adapter having negative resistance oscillator means. 3,278,-686, 10–11–66, Cl. 179—15.
Fenner, Robert M., and D. E. Hamilton. Lifting dolly having a single throw lifting lever and sleeve guide means. 3,250,-513, 5–10–66, Cl. 254—9.
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Fenske, Ellsworth R., to Universal Oil Products Co. Isoparaffin alkylation process. 3,249,650, 5–3–66, Cl. 260—683.48.
Fenske, Ellsworth R., and J. H. McLaughlin, to Universal Oil Products Co. Sample valve. 3,266,321, 8–16–66, Cl. 73—422.
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Fenton, Almon N. Method for electronically gating an intelligence-carrying signal. 3,235,808, 2–15–66, Cl. 328—150.
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Fenton, Donald M., to Union Oil Co. of California. Preparation of alkyl carbonates. 3,227,740, 1–4–66, Cl. 260—463.
Fenton, Donald M., to Union Oil Co. of California. Preparation of organic carbonates bearing disparate radicals. 3,227,741, 1–4–66, Cl. 260—463.
Fenton, Donald M., to Union Oil Co. of California. Carbonylation of amines and substituted ureas derived therefrom. 3,277,061, 10–4–66, Cl. 260—77.5.
Fenton, George H. A., to British Aircraft Corp. (Operating) Ltd. Aerial vehicles. 3,269,312, 8–30–66, Cl. 102—49.
Fenton, Ralph V., and W. H. Isely, to Honeywell Inc. Control apparatus. 3,274,837, 9–27–66, Cl. 74—5.7.
Fenton, Richard L., and S. Schwartz, to Varian Associates. Focusing and cooling apparatus for electron beam tubes. 3,259,787, 7–5–66, Cl. 315—3.5.
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Fenwick, Jay G., to Morton Mfg. Co. Rail slide. 3,292,986, 12–20–66, Cl. 312—333.
Fenwick, Richard C., and W. L. Weeks, to Collins Radio Co. Shortened folded monopole with radiation efficiency increased by ferrite loading. 3,295,137, 12–27–66, Cl. 343—787.
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Ferch, Horst K. P., to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Method of forming a sleeved joint over shaped polyolefin bodies. 3,276,929, 10–4–66, Cl. 156—83.
Ferdig, Earl W., to G. F. McMurray. Roller assembly combination. 3,255,997, 6–14–66, Cl. 254—192.
Ferdinand, Irwin J., and D. R. Lopatka, to S. A. Hirsh Mfg. Co. Steel shelving. 3,255,722, 6–14–66, Cl. 108—144.
Ferdinand, Irwin J., and D. R. Lopatka, to S. A. Hirsh Mfg. Co. Knockdown steel shelving and cabinet hardware therefor. 3,265,455, 8–9–66, Cl. 312—295.
Ferdinand, Irwin J., and D. R. Lopatka, to S. A. Hirsh Mfg. Co. Knock down steel shelving unit and corner fastening means therefor. 3,276,403, 10–4–66, Cl. 108—144.
Ferdon, Gilbert D., and H. E. Henschen, to AMP Inc. Electrical connecting and switch device. 3,275,765, 9–27–66, Cl. 200—51.1.
Ference, Joseph T. Tape holder and dispenser. 3,260,431, 7–12–66, Cl. 225—66.
Ferenz, Arthur L. Flush wall floral hanger. 3,289,989, 12–6–66, Cl. 248—205.
Fergison, Richard L., to Ekco Products Co. Hinge assembly. 3,251,089, 5–17–66, Cl. 16—151.
Fergison, Richard L., to Ekco Products Co. Hinge assembly. 3,251,090, 5–17–66, Cl. 16—151.
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Ferguson, David. Cushioned race horseshoe. 3,288,223, 11–29–66, Cl. 168—12.
Ferguson, Donald C., to Sperry Rand Corp. Silicon controlled rectifier chopper circuit. 3,265,991, 8–9–66, Cl. 331—111.
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Ferguson, Harry D., Jr., to Philco Corp. Illuminated cabinet structure. 3,231,732, 1–25–66, Cl. 240—5.
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Ferguson, Hugo S., to Duffers Associates, Inc. R.M.S. measuring system having an integrating circuit including a transistorized capacitor discharge means controlled by the measured signal. 3,289,079, 11–29–66, Cl. 324—103.
Ferguson, James and C. M. Power-driven apparatus for oppositely reciprocating a pair of spaced members. 3,272,023, 9–13–66, Cl. 74—55.
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Ferguson, James P., to Fairchild Camera and Instrument Corp. Reverse epitaxial transistor. 3,244,950, 4–5–66, Cl. 317—235.
Ferguson, Jesse T., Jr., to United States of America, Navy. Interchangeable structural joint. 3,285,643, 11–15–66, Cl. 287—189.36.
Ferguson, John D., to Hercules Powder Co. Stabilized aqueous slurry blasting agent and process. 3,235,423, 2–15–66, Cl. 149—38.
Ferguson, John D., and R. B. Hopler, Jr., to Hercules Inc. Aerated explosive compositions. 3,288,658, 11–29–66, Cl. 149—2.
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Ferguson, Kenneth F., to Hunt Foods and Industries, Inc. Radiator mounting system. 3,248,076, 4–26–66, Cl. 248—15.
Ferguson, Kenneth F., to Hunt Foods and Industries, Inc. Heat exchanger and cooling apparatus. 3,254,707, 6–7–66, Cl. 165—110.
Ferguson, Kenneth F., to Hunt Foods and Industries, Inc. Engine mounting system. 3,289,781, 12–6–66, Cl. 180—64.
Ferguson, Le Roy C., and H. Hardinge, to Koppers Co., Inc. Beneficiation means and methods for autogenous grinding systems. 3,231,204, 1–25–66, Cl. 241—24.
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Ferguson, Richard, and G. D. Hoyle, to The Terrell Machine Co. Brake mechanism incorporating floating brake band and means applying the same to reversibly rotated brake drum. 3,240,293, 3–15–66, Cl. 188—77.
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Ferrante, Joseph F. Metallized-electrode capacitor construction. 3,248,619, 4–26–66, Cl. 317—260.
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Ferrari, Andrés, to Technicon Instruments Corp. Method and apparatus for the treatment of liquids. 3,241,923, 3–22–66, Cl. 23—259.
Ferrari, Andres, to Technicon Instruments Corp. Sample supply device for automatic analysis apparatus. 3,252,327, 5–24–66, Cl. 73—423.
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Ferrari, Ronald L., and A. Reddish, to The M-O Valve Co. Ltd. Apparatus for generating masses of hot ionised gas and amplifying random fluctuations. 3,275,868, 9–27–66, Cl. 313—63.
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Ferretti, Julius J., to J. W. Todd Ferretti. Gas purification apparatus. 3,266,224. 8–16–66, Cl. 55—241.

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Ferrier, Duncan C., W. G. Parr, and H. M. Mackinnon, to British Nylon Spinners Ltd. Apparatus for melt-spinning synthetic polymer filaments. 3,229,330, 1–18–66, Cl. 18—8.

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Ferry, Gerald P. Process for eliminating algae growth in cooling tower. 3,258,422, 6–28–66, Cl. 210—64.

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Fetterolf, Harry D., and B. E. Tindal, to General Electric Co. Circuit board connecting and mounting arrangement. 3,281,627, 10–25–66, Cl. 317—101.

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Feucht, Jacob E., to Westinghouse Air Brake Co. Mobile rock drill carrier suspension system. 3,289,779, 12–6–66, Cl. 180—9.5.

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Fiedler, Max G. Compression ignition engine. 3,242,913, 3–29–66, Cl. 123—32.

Fiedler, Paul R., W. C. Osha, and L. Baum, Jr., to Thiokol Chemical Corp. Arc welding. 3,290,480, 12–6–66, Cl. 219—136.

Fiedler, Wallace A., G. H. Ross, and R. A. Estock, to Martin-Marietta Corp. Apparatus for thermally evaporating various materials in vacuums for producing thin films. 3,271,-561, 9–6–66, Cl. 219—271.

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Fiedor, Adolph J., and R. G. Rockwell, to Varian Associates. Discharge device having electron grids with heights rising substantially above the grid support rims. 3,250,947, 5–10–66, Cl. 315—5.37.

Fiedor, Adolph J., and R. G. Rockwell, to Varian Associates. Vacuum device process. 3,239,300, 3–8–66, Cl. 316—24.

Fiedor, Adolph J., and R. G. Rockwell, to Varian Associates. Electron tube apparatus having grid consisting of vanes, projecting into electron beam, tapered to reduce beam interception. 3,243,641, 3–29–66, Cl. 315—5.37.

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Field, Philip M., and R. N. Ross, to Charles Beseler Co. Lamp-changing mechanism. 3,283,141, 11–1–66, Cl. 240—37.

Field, Philip M., and R. N. Ross, to Charles Beseler Co. Automatic lamp-changing apparatus. 3,294,965, 12–27–66, Cl. 240—37.1.

Field, Philip M., and R. N. Ross, to Charles Beseler Co. Automatic lamp changing apparatus. 3,294,966, 12–27–66, Cl. 240—37.1.

Field, Sheldon B., to John J. McMullen Associates, Inc. Ship stabilizer comprising weirs. 3,270,702, 9–6–66, Cl. 114—125.

Field, Sheldon B., to John J. McMullen Associates, Inc. Ship stabilizer comprising surface covering means. 3,270,703, 9–6–66, Cl. 114—125.

Field, Sheldon B., T. F. Bridges, E. V. Lewis, and L. W. Ward, to John J. McMullen Associates, Inc. Passive ship stabilization system using damping along center line only. 3,282,-239, 11–1–66, Cl. 114—125.

Field, Sheldon B., T. F. Bridges, and M. Fleit, to John J. McMullen Associates, Inc. Pitch stabilization system for water going vessels. 3,285,216, 11–15–66, Cl. 114—122.

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Fields, Ellis K., to Standard Oil Co. (Indiana). Copolymers of dialkenyl sulfone and ethylenically unsaturated monomers. 3,244,676, 4–5–66, Cl. 260—78.5.

Fields, Ellis K., to Standard Oil Co. Lubricating compositions containing hexachlorocyclopentadiene derivatives. 3,247,-114, 4–19–66, Cl. 252—54.6.

Fields, Ellis K., to Standard Oil Co. Lubricant compositions containing phosphonate-olefin adducts. 3,255,111, 6–7–66, Cl. 252—49.9.

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Fields, Joseph E., and E. H. Mottus, to Monsanto Co. Antifoamants of isotactic alkyl methacrylate polymers. 3,269,-993, 8–30–66, Cl. 260—86.1.

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Fierce, William L., and W. J. Sandner, to Union Oil Co. of California. Process of desulfurization employing alkali and nitrogen dioxide. 3,267,027, 8–16–66, Cl. 208—228.

Fiero, Carl D., to Lapp Insulator Co., Inc. Bendable base insulator. 3,264,405, 8–2–66, Cl. 174—158.

Fietelaars, Theodorus A., to Fijin Mechanische Industrie Beckers Sons N.V. Ignition-device for a bomb. 3,285,170, 11–15–66, Cl. 102—7.

Fietz, Dale H. Material hardness tester. 3,283,566, 11–8–66, Cl. 73—81.

Fietz, Dale H. Internal hardness tester. 3,283,567, 11–8–66, Cl. 73—984.

Fievet, Robert H. J., to Fromageries Bel-La Vache Qui Rit. Machine for packaging melted cheese into various presentation packages. 3,237,367, 3–1–66, Cl. 53—122.

Fievet, Robert H. J., to Fromageries Bel-La Vache Qui Rit. Work station conveyor. 3,256,970, 6–21–66, Cl. 198—19.

Fievet, Robert H. J., to Fromageries Bel-La Vache Qui Rit. Clustering apparatus, and applicationa therefor. 3,289,807, 12–6–66, Cl. 198—25.

Fife, Irwin L., and B. A. Feiertag, to Fife Mfg. Co., Inc. Apparatus for maintaining the alignment of a moving web. 3,244,340, 4–5–66, Cl. 226—22.

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Figueras, John, Jr., and C. A. Goffe, to Eastman Kodak Co. Chemical sensitization of photographic silver halide emulsions with magnesium metal powder. 3,282,700, 11–1–66, Cl. 96—108.

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Files, Francis M., II, and O. Horton, Jr., to Phillips Petroleum Co. Simultaneously coking iron ore and cracking hydrocarbons. 3,264,209, 8–2–66, Cl. 208—124.

Files, William C., to McGraw-Edison Co. Laundry machine and a dump valve therefor. 3,238,751, 3–8–66, Cl. 68—206.

Files, William C., to McGraw-Edison Co. Tub door for laundry machines. 3,240,382, 3–15–66, Cl. 220—41.

Files, William C., to McGraw-Edison Co. Laundry appliance. 3,249,253, 5–3–66, Cl. 220—29.

Filia, George J., to Sargent & Co. Wirestripping tool having a longitudinally acting scraping blade. 3,227,014, 1–4–66, Cl. 81—9.5.

Filia, George J., to Sargent & Co. Forming tool and stripfeeding mechanism therefor. 3,230,757, 1–25–66, Cl. 72—410.

Filia, George J., to Sargent & Co. Motion-compelling mechanism for a hand tool incorporating stop means. 3,262,342, 7–26–66, Cl. 81—318.

Filia, George J., to Sargent & Co. Motion-compelling mechanism for a hand tool. 3,277,751, 10–11–66, Cl. 81—313.

Filipak, Edmund H., to Westinghouse Electric Corp. Cooking oven. 3,270,660, 9–6–66. Cl. 99—340.

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Fillbach, Kenneth G. Rubbing post type hog oiler. 3,238,-924, 3–8–66, Cl. 119—157.

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Filler, William S. Method and apparatus for generating seismic waves. 3,275,098, 9–27–66, Cl. 181—.5.

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Fillion, Raymond M. Newspaper receiver combined with mail box and supporting post. 3,243,104, 3–29–66, Cl. 232—33.

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Fillmore, William E., and S. L. Blaylock, Jr., to Owens-Illinois Glass Co. Shaker or sifter-type dispensers. 3,260,422, 7–12–66, Cl. 222—485.

Fillmore, William E., and S. L. Blaylock, Jr., to Owens-Illinois, Inc. Shaker or sifter-type dispensers. 3,260,423, 7–12–66, Cl. 222—485.

Fillwalk, Frank J., and A. D. Potter, to Continental Can Co., Inc. Container protective wrapper. 3,235,112, 2–15–66, Cl. 215—7.

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Filosa, Jean A., to British Petroleum Co. Ltd. of Britannic House. Purification of micro-organisms cultivated on hydrocarbon feedstock. 3,264,196, 8–2–66, Cl. 195—82.

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Finch, Earl A. Data tabulating device. 3,259,401, 7–5–66, Cl. 281—8.

Finch, Harry D., and R. E. Meeker, to Shell Oil Co. Preparation of tertiary amines. 3,234,283, 2–8–66, Cl. 260—583.

Finch, Horace T., to The Birtcher Corp. Transistor heat dissipators. 3,260,787, 7–12–66, Cl. 174—15.

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Findley, Howard J., to Textron Inc. Hobbing machine. 3,232,170, 2–1–66, Cl. 90—4.

Findley, Jack R. Hatchet attachment for hammers. 3,229,737, 1–18–66, Cl. 145—3.

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Findley, Thomas W., and J. L. Ohlson, to Swift & Co. Method of producing polyether polymers from epoxy-containing fatty acids or esters. 3,262,953, 7–26–66, Cl. 260—407.

Findlow, Eric, to Ernest Scragg & Sons, Ltd. Device for detecting yarn breakage. 3,262,180, 7–26–66, Cl. 28—50.

Fine, Frederick R. Automatic lever control apparatus for automating press operations. 3,256,778, 6–21–66, Cl. 91—35.

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Fink, Walter, to Monsanto Co. Nitrogen-silicon compounds. 3,253,008, 5–24–66, Cl. 260—448.2.

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Mod, Robert R., Skau, Fore, Magne, Novak, Dupuy, Ortego, and Fisher. 3,285,812.

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Fister, Aloysius J., to McGraw-Edison Co. Protectors for electric circuits. 3,253,104, 5–24–66, Cl. 200—120.

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Floessel, Carl D., to Brown, Boveri & Cie, Aktiengesellschaft. Electrical switch having rotary movable contact with vane piston contact actuating means. 3,239,636, 3–8–66, Cl.

Floessel, Carl D., to Aktiengesellschaft Brown, Boveri & Cie. Interchangeable contact arrangement for electrical circuit breakers. 3,277,262, 10–4–66, Cl. 200—148.
200—148.

Floessel, Carl D., to Brown, Boveri & Cie, Aktiengesellschaft. Gas blast circuit breaker with spring mounted hollow contact member and associated exhaust valve controlled thereby. 3,286,066, 11–15–66, Cl. 200—148.

Floessel, Dieter, to Brown, Boveri & Cie, Aktiengesellschaft. Gas blast circuit breaker with stationary spaced tubular contacts and piston actuated contact bridge including blast valve actuated thereby. 3,240,910, 3–15–66, Cl. 200—148.

Floessel, Dieter, to Brown, Boveri & Cie, Aktiengesellschaft. Bushing device for introducing current conductor into compressed gas switch chambers. 3,242,251, 3–22–66, Cl. 174—18.

Floessel, Dieter, and G. Mauthe, to Brown, Boveri & Cie Aktiengesellschaft. Blast valve structure for an electrical circuit breaker. 3,271,003, 9–6–66, Cl. 251—363.

Flohr, William P., Jr.: *See*—
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Flom, Donald G., to General Electric Co. Golf club striking surface of polycarbonate. 3,233,905, 2–8–66, Cl. 273—173.

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Flood, John T., Jr. Child's play furniture set. 3,236,003, 2–22–66, Cl. 46—15.

Flook, William M., Jr., and P. A. Vance, Jr., to E. I. du Pont de Nemours and Co. Thermostatic switch employing a matching set of temperature responsive magnetic elements. 3,272,945, 9–13–66, Cl. 200—138.

Floor, Finn, to Bergens Mekaniske Verksteder, A/S. Hydraulically controlled hatch hinges. 3,288,201, 11–29–66, Cl. 160—188.

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Jackson, Robert C., Florac, and Winger. 3,239,654.

Floramo, Nicholas A., to Chemicals Inc. Process for making iron hydrogenated dextran. 3,234,209, 2–8–66, Cl. 260—209.

Floreen, Stephen, and J. R. Mihalisin, to The International Nickel Co., Inc. High strength, notch ductile stainless steel products. 3,258,370, 6–28–66, Cl. 148—12.

Floreen, Stephen, and R. F. Decker, to The International Nickel Co., Inc. Age hardening silicon-containing maraging steel. 3,294,527, 12–27–66, Cl. 75—123.

Floren, Carl E.: *See*—
Leopold, Wilbur R., Jr., and Floren. 3,245,701.

Floren, Carl E., and W. L. Hauffe, to Mueller Co. Quick acting plastic service T clamp. 3,245,676, 4–12–66, Cl. 269—165.

Floren, Carl E., C. R. Foltz, deceased (by K. L. Foltz, legal representative), to Mueller Co. Rotary plug valve with stop means. 3,267,096, 6–21–66, Cl. 251—287.

Floren, Olaf J. Compound sine plate. 3,273,879, 9–20–66, Cl. 269—61.

Florence, Noel S., to Lightolier Inc. Low brightness louver for lighting fixture. 3,246,138, 4–12–66, 240—51.11.

Flores, Jess G., and R. B. Schumacher, to Owens-Corning Corp. Insulation assembly and package. 3,231,085, 1–25–66, Cl. 206—65.

Flori, Joseph, to Textile & Chemical Research Co. Ltd. Stop mechanism for stretching devices. 3,268,972, 8–30–66, Cl. 28—71.4.

Floria, James D. Steering mechanism. 3,248,965, 5–3–66, Cl. 74—552.

Florian, Raymond R. Safety release devices. 3,237,265, 3–1–66, Cl. 24—230.

Florian, Steuart R. Cutting tool. 3,273,240, 9–20–66, Cl. 30—251.

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Florida Plastics, Inc.: *See*—
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Florsheim, Leonard S., Jr., W. Wanielista, and C. P. Sippel, Jr., to Robertson Photo-Mechanix, Inc. Movable vacuum back for photographic apparatus. 3,276,312, 10–4–66, Cl. 88—24.

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Rosengarten, Walter E., Jr., Flower, and Buchanan. 3,265,782.

Flower, Archibald T., P. Ganser, and D. L. Buchanan. Method of applying a rigid unicellular polyurethane foam coating to pipe fittings. 3,258,512, 6–28–66, Cl. 264—45.

Flower, Archibald T., P. Ganser, and D. L. Buchanan. Coating cutter tool. 3,267,503, 8–23–66, Cl. 15—104.04.

Flower, Gulles, Jr., A. L. Tufano, and F. W. Roberts, to Dictaphone Corp. High viscosity dispersions of magnetic pigments. 3,240,621, 3–15–66, Cl. 117—93.2.

Flower, Maurice S., and R. A. G. Gasson, to Communications Patents Ltd. Flight-training apparatus. 3,258,855, 7–5–66, Cl. 35—12.

Flower, Robert A., G. R. Gamertsfelder, J. C. Rolfs, and D. J. Toman, to General Precision, Inc. Calibration correcting system for Doppler navigators. 3,285,865, 2–15–66, Cl. 343—8.

Flowers, Dervin L., to Ampex Corp. Magnetic recording medium coated with a binder copolymer of butadiene, acrylonitrile, and a hydroxy methacrylate. 3,262,813, 7–26–66, Cl. 117—161.

Flowers, Dervin L., to Shell Oil Co. Copolymer of polar-substituted vinyl sulfides and alkyl acrylates. 3,265,674, 8–9–66, Cl. 260—79.7.

Flowers, Dervin L., and L. E. Lorensen, to Shell Oil Co. Phosphorous and chlorine-containing copolymers as lubricant additives. 3,227,696, 1–4–66, Cl. 260—80.5.

Flowers, Fred F. Pivot means for doors of tilting dumping vehicles. 3,238,897, 3–8–66, Cl. 105—276.

Flowers, Fred F. Equalizer suspension for vehicles. 3,239,236, 3–8–66, Cl. 280—104.5.

Flowers, Fred F. Selective closure latching mechanism for tilting dump vehicles. 3,240,164, 3–15–66, Cl. 105—276.

Flowers, Harold L., and C. O. Lambert, to Goodyear Aerospace Corp. Dead reckoning guidance system for vehicles. 3,280,524, 1–18–66, Cl. 343—7.

Flowers, Henry F. Tilting dump car reinforced end wall construction. 3,228,351, 1–11–66, Cl. 105—272.

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Wilson, Harold W. 3,288,597.

Flowers, John W., to United States of America, Atomic Energy Commission. Hollow gas arc discharge device utilizing an off-center cathode. 3,268,758, 8–23–66, Cl. 313—231.

Flowers, Lloyd W., to Bowmar Instrument Corp. Miniature gear reduction apparatus. 3,244,024, 4–5–66, Cl. 74—665.

Flowers, Louis C. Pressure indicating apparatus for a pneumatic tire. 3,276,417, 10–4–66, Cl. 116—34.

Flowers, Ralph G., to General Electric Co. Compositions comprising an epoxy resin, shellac, polybutadiene and a peroxide curing agent. 3,228,901, 1–11–66, Cl. 260—27.

Flowers, Ralph G., and T. L. Sherer, to General Electric Co. Method of insulating electrical conductors. 3,291,639, 12–13–66, Cl. 117—232.

Flowers, Thomas H., to Her Majesty's Postmaster General. Core matrix having input lines connected in a priority arrangement. 3,287,700, 11–22–66, Cl. 340—166.

Floyd, Arthur J., to Imperial Chemical Industries Ltd. Organo-phosphorus S-triazine derivatives. 3,260,719, 7–12–66, Cl. 260—249.9.

Floyd, Don E., and D. W. Glaser, to General Mills, Inc. Polyamides of improved melting point and increased solubility for ink binders. 3,253,940, 5–31–66, Cl. 106—316.

Floyd, Edwin, Jr. to AMP Inc. Clip carrier tape and clips. 3,227,270, 1–4–66, Cl. 206—56.

Floyd, Edwin, Jr., to AMP Inc. Tool for making electrical connections. 3,257,713, 6–28–66, Cl. 29—203.

Floyd, Frederick. Edge sealing means for filter rollers. 3,282,034, 11–1–66, Cl. 55—354.

Floyd, John D., to Hercules Powder Co. Polymer latices. 3,243,401, 3–29–66, Cl. 260—29.7.

Floyd, Robert W., and W. J. Soule to United States of America, Air Force. Target-screen assembly for television pickup tubes. 3,249,785, 5–3–66, Cl. 313—88.

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McGuire, John R., and Harms. 3,266,520.

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Flynn, Edward D. Process for three color printing and resultant prints. 3,253,917, 5–31–66, Cl. 96—30.

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Flynn, Edwin H., to Lilly, Eli, and Co. Carbocyclic-substituted aliphatic cephalosporins. 3,270,009, 8–30–66, Cl. 260—243.

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Fodor, Ferenz H., 55% to E. M. Norton, and 45% to F. H. Fodor and L. G. Turner. Electric machine construction. 3,275,863, 9–27–66, Cl. 310—166.

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Foerster, George S., to The Dow-Chemical Co. Process for preparing high strength fabricated articles from aluminum-base alloys containing magnesium and copper. 3,291,654, 12–13–66, Cl. 148—12.7.

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Fogle, Merlyn W., to Eltra Corp. Cation exchange membrane from a sulfated polyvinyl alcohol. 3,275,575, 9–27–66, Cl. 260—2.2.

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Folkerts, Walter E., to Chrysler Corp. Spline shaft. 3,285,638, 11–15–66, Cl. 287—52.02.

Folkerts, Walter E., to Chrysler Corp. Rotary valve with bypass. 3,291,002, 12–13–66, Cl. 91—375.

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Foll, William A., and A. M. Hancik. Flexible paper tube. 3,270,778, 9–6–66, Cl. 138—144.

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Domm, Ulrich, Foller, and Egelhofer. 3,286,926.

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Folz, John M., to Phillips Petroleum Co. Low pressure storage. 3,293,870, 12–27–66, Cl. 62—45.

Fols, Walter C., and W. H. Elder, to United States of America, Navy. Linear voltage controlled variable frequency multivibrator. 3,281,715, 10–25–66, Cl. 331—113.

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Fontaine, John G. Seat belt and locking means therefor. 3,294,339, 12–27–66, Cl. 242—107.4.

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Mod, Robert R., Skau, Fore, Magne, Novak, Dupuy, Ortego, and Fisher. 3,285,812.

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Forman, Lawrence E., to The Firestone Tire & Rubber Co. Polymerization of isoprene in the presence of lithium metal and in inert liquid hydrocarbon. 3,285,901, 11–15–66, Cl. 260—94.2.

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Forrer, Homer W., to The Mead Corp. Handle structure for article carriers. 3,283,948, 11–8–66, Cl. 220—113.

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Forrester, Alvin T., and A. B. Marchant, to Electro-Optical Systems, Inc. Ion image electron image converter. 3,277,297, 10–4–66, Cl. 250—49.5.

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Forsberg, William B., to United-Carr Inc. Plastic buckle. 3,237,257, 3–1–66, Cl. 24—77.

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Forsman, Arnold H. Speed control for water skiing facility. 3,261,302, 7–19–66, Cl. 104—152.

Forsman, Arnold H., J. R. Gaskill, W. A. Phillips, and R. D. Taylor, to United States of America, Atomic Energy Commission. Thermoluminescent radiation dosimeter and integral heater. 3,243,590, 3–29–66, Cl. 250—83.

Forsmark, Harold R., to Calco Mfg. Co. Ratchet drive rotary valve actuating mechanism. 3,274,853, 9–27–66, Cl. 74—625.

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Forster, Arnold, and H. Renker, to Georg Fischer Aktiengesellschaft. Arrangement of an expansion rod in a measuring control of machine tools. 3,252,362, 5–24–66, Cl. 82—14.

Forster, Donald C., C. C. Johnson, and L. D. Smullin, to Hughes Aircraft Co. D.C. pumped cyclotron wave parametric amplifier. 3,231,825, 1–25–66, Cl. 330—4.7.

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Förster, Hans-Joachim M., and O. Röder, to Daimler-Benz Aktiengesellschaft. Change-speed transmission. 3,277,746, 10–11–66, Cl. 74—730.

Forster, Harry D., Jr., to Sperry Rand Corp. Inverter circuit utilizing silicon controlled rectifiers pulsed by phase delaying networks. 3,243,686, 3–29–66, Cl. 321—45.

Forster, Johann, ½ to VDO Tachometer Werke Adolf Schindling G.m.b.H., and ½ to Firma Golde & Co. G.m.b.H. Flexible cable. 3,274,846, 9–27–66, Cl. 74—422.

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Forsyth, James M. Two-stage drill for mechanical decoking or the like. 3,280,416, 10–25–66, Cl. 15—104.1.

Forsyth, Leslie M. X-ray film and screen exposure holder with separate means for applying contact pressure thereto. 3,233,101, 2–1–66, Cl. 250—68.

Forsyth, Ray E. Trim button. 3,268,964, 8–30–66, Cl. 24—113.

Forsyth, Robert E., and J. W. Hancher, to Mathews Conveyer Co. Accumulating conveyer. 3,266,617, 8–16–66, Cl. 198—127.

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Forte, Foster M. Upholstery staple dislodging and extracting tool. 3,241,814, 3–22–66, Cl. 254—28.

Fortenberry, Jerry A. Rotary toothbrush for oral hygiene. 3,235,897, 2–22–66, Cl. 15—24.

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Fortescue, Peter, F. R. Bell, and A. M. Harris, to General Dynamics Corp. Nuclear reactor control rod drive mechanism. 3,232,841, 2–1–66, Cl. 176—36.

Fortescue, Peter, and D. Nicoll, to United States of America, Atomic Energy Commission. Neutronic reactor with improved release mechanism between control rod and associated drive. 3,271,264, 9–6–66, Cl. 176—36.

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Forth, Murray W., to Deere & Co. Die structure for wafering or pelleting machines with interchangeable die cell means. 3,251,316, 5–17–66, Cl. 107—14.

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Fortunato, Vincent, to Henschel-Steinau Co. Product support engaged in the inwardly-turned lips of a channel member. 3,288,414, 11–29–66, Cl. 248—223.

Fortune, William J. Clamp saw guide. 3,287,808, 11–29–66, Cl. 33—32.

Fortune, William S. Solder removal apparatus. 3,263,889, 8–2–66, Cl. 228—20.

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Forwald, Haakon, to Allmanna Svenska Elektriska Aktiebolaget. Air blast circuit breaker with damping resistor in parallel with the main breaking gap. 3,235,695, 2-15-66, Cl. 200—148.

Forwald, Haakon, to I-T-E Circuit Breaker Co. Energy storage operating means for air blast circuit breakers. 3,244,844, 4-5-66, Cl. 200—148.

Forwald, Haakon, to Allmänna Svenska Elektriska Aktiebolaget. Oil circuit breaker having groups of contacts arranged opposite each other on an insulator and having helical creep-preventing ribs. 3,247,348, 4-19-66, Cl. 200—150.

Forwald, Haakon, to Allmanna Svenska Elektriska Aktiebolaget. Air blast circuit-breaker. 3,264,440, 8-2-66, Cl. 200—148.

Forward, Frank A., A. I. Vizsolyi, and H. Veltman, to Sherritt Gordon Mines Ltd. Oxidation of lead sulphides to form lead sulphate for subsequent production of lead. 3,241,951, 3-22-66, Cl. 75—120.

Forward, Frank A., and A. I. Vizsolyi, to Sherritt Gordon Mines Ltd. Tin purification process. 3,293,026, 12-20-66, Cl. 75—101.

Forward, Robert L., to Hughes Aircraft Co. Measurement of static force field gradients. 3,273,397, 9-20-66, Cl. 73—382.

Foscarota, Valentino J. Testing instrument. 3,271,871, 9-13-66, Cl. 33—174.

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Fosker, George R., and J. H. C. Nayler, to Beecham Group Ltd. Preparation of 6-aminoacyl-penicillanic acids. 3,230,214, 1-18-66, Cl. 260—239.1.

Foss, Arne. Foot exercising apparatus. 3,292,612, 12-20-66, Cl. 128—25.

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Fox, Charles J., to Eastman Kodak Co. Photoconductive substances for electrophotography. 3,265,496, 8–9–66, Cl. 96—1.
Fox, Charles J., and A. L. Johnson, to Eastman Kodak Co. Triphenylamine compounds and preparation thereof. 3,234,280, 2–8–66, Cl. 260—576.
Fox, Clarence D., and J. E. Lair, to Borg-Warner Corp. Liquid to gas converter. 3,288,207, 11–29–66, Cl. 165—40.
Fox, Daniel W., to General Electric Co. Dihydroxy polyaromatic ether. 3,287,421, 11–22–66, Cl. 260—613.
Fox, Daniel W., and P. Shenian, to General Electric Co. Sulfonated polyphenylene ether cation exchange resin. 3,259,592, 7–5–66, Cl. 260—2.2.
Fox, Donald K., and C. L. Carlson, to Westinghouse Electric Corp. Passenger conveyors. 3,247,947, 4–26–66, Cl. 198—16.
Fox, Edward C., to Radio Corp. of America. Recording system. 3,229,048, 1–11–66, Cl. 179—100.4.
Fox, Fred J.: *See*—
Fay, Philip S., and Fox. 3,246,965.
Fox, Fred K. Self-trailing boats. 3,226,738, 1–4–66, Cl. 9—1.
Fox, Fred K. Drill string shock absorber and vibration dampener. 3,239,740, 1–25–66, Cl. 64—23.
Fox, Gerald B.: *See*—
Meeker, David A., Heckman, and Fox. 3,267,944.
Fox, Gerald B., and D. E. Vandeveer, to The Hobart Mfg. Co. Splash curtains for dishwashing machines. 3,254,698, 6–7–66, Cl. 160—184.
Fox, Harold L., and G. H. Thorne, Sr., to Sperry Rand Corp. Pure fluid apparatus utilizing triggerable flip-flop. 3,277,913, 10–11–66, Cl. 137—81.5.
Fox, Harvey M., and W. A. Crossland, said Crossland assor. to said Fox. Potentiometer. 3,266,004, 8–9–66, Cl. 338—174.
Fox, Henry M., to Imperial Chemical Industries Ltd. Method for protecting seed against fungi with N,N'-bis (dimethylamino) thiuram disulphide. 3,278,376, 10–11–66, Cl. 167—38.
Fox, Herman H., to Hoffmann-La Roche Inc. Hair spray comprising tri-(p-aminobenzoyl) esters of pantothenyl alcohol. 3,251,741, 5–17–66, Cl. 167—87.1.
Fox, Homer M., to Phillips Petroleum Co. Fuel cell. 3,244,564, 4–5–66, Cl. 136—86.
Fox Industries, Inc.: *See*—
Fox, Thomas A. 3,228,219.
Fox, Thomas A. 3,242,711.
Fox, James E., Jr., to Pan American Petroleum Corp. Method of freeing pipe stuck in a well. 3,246,696, 4–19–66, Cl. 166—46.
Fox, John H., to Reynolds Metals Co. Carrying case for bottles and divider structure therefor. 3,240,378, 3–15–66, Cl. 220—21.
Fox, John H., Jr., to Reynolds Metals Co. Easy-open can end closure. 3,229,847, 1–18–66, Cl. 220—48.
Fox, John J. Food warmer. 3,288,129, 11–29–66, Cl. 126—19.5.
Fox, John L., to National Research Corp. High vacuum. 3,259,305, 7–5–66, Cl. 230—101.
Fox, Kenneth R., and L. N. Backer, to Fabric Research Laboratories, Inc. Method of manufacturing elastic fabric. 3,226,796, 1–4–66, Cl. 28—72.
Fox, Leonard J.: *See*—
Jubilee, Benjamin D., Jr., and Fox. 3,257,478.
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Fox, Martin, to The Seng Co. Convertible table. 3,245,636, 4–12–66, Cl. 108—145.
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Godshalk, James B., and Medlar. 3,273,039.
Godshalk, James B., Medlar, and Purnell. 3,258,672.
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Medlar, Lewis A. 3,247,449.
Medlar, Lewis A. 3,247,450.
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Fox, Ralph W., and M. Hoffman, to Philco Corp. Open-work dielectric lens to provide for air cooling. 3,293,649, 12–20–66, Cl. 343—911.
Fox, Raymond, to United States of America, Atomic Energy Commission. Magnetically channeled plasma diode heat converter. 3,267,307, 8–16–66, Cl. 310—4.
Fox, Richard E: *See*—
Taylor, John E. G., McQuain, Fox, Bowman, and Thomson. 3,290,331.
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Fox, Robert D., and D. L. Strand, to The Dow Chemical Co. Multiple purpose chemical processing unit. 3,233,980, 2–8–66, Cl. 23—284.
Fox, Robert M., and J. D. Leslie, to General Motors Corp. Windshield wiper mechanism. 3,226,755, 1–4–66, Cl. 15—250.14.
Fox, Sherwood N., and J. W. Colton, to Halcon International, Inc. Apparatus for oxidizing hydrocarbons. 3,254,962, 6–7–66, Cl. 23—263.
Fox, Sherwood N., and M. B. Sherwin, to Halcon International, Inc. Distillation process for recovering anhydrous hydrogen fluoride. 3,271,273, 9–6–66, Cl. 203—12.
Fox, Thomas A., to Fox Industries, Inc. Strip rolling. 3,228,219, 1–11–66, Cl. 72—16.
Fox, Thomas A., to Fox Industries, Inc. Rolling mill structures. 3,242,711, 3–29–66, Cl. 72—243.
Fox, William L., to The Dole Valve Co. Positive displacement syrup pump. 3,294,030, 12–27–66, Cl. 103—150.
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Gobhai, Cavas M. 3,241,753.
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Hatch, Richard W., Jr. 3,251,547.
Hatch, Richard W., Jr. 3,259,314.
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Shinskey, Francis G. 3,292,852.
Foxwell, William J., to Ford Motor Co. Tractor battery support. 3,265,148, 8–9–66, Cl. 180—68.5.
Foxwell, William J., to Ford Motor Co. Multiple speed ratio power transmission mechanism with full range reverse. 3,293,933, 12–27–66, Cl. 74—360.
Foxx, John M., and F. J. Thomas. Bottle vendor having a plurality of gate means provided with a gate lock-out assembly. 3,276,623, 10–4–66, Cl. 221—125.
Foxx, Robert J., to Nordberg Mfg. Co. Tie ax with tie puller arrangement. 3,240,162, 3–15–66, Cl. 104—9.
Foy, Lyle R. Mid-tool form ties holder. 3,241,803, 3–22–66, Cl. 249—219.
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Fraenzel, Edward H. Dryer for heating and removing moisture for aggregate material. 3,251,140, 5–17–66, Cl. 34—137.
Fragen, Nathan, to Standard Oil Co. Cyclic process for production of terephthalic acid. 3,247,246, 4–19–66, Cl. 260—515.
Fragetta, William A., C. E. Witherell, and D. A. Corrigan, to The International Nickel Co., Inc. High strength welding materials. 3,248,285, 3–29–66, Cl. 75—123.
Fragomen, Austin T.: *See*—
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Sonnenberg, Charles F., and Frakes. 3,281,525.
Frakes, Sidney, and J. W. Barnes, to Frank W. Murphy Mfg., Inc. Rectifying system for protecting internal combustion engines having plural magnetos. 3,278,803, 10–11–66, Cl. 317—18.
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Walz, Alfred, and Ostreicher. 3,271,652.
Fraley, Melvin L., to AMP Inc. Contactor having non-short feature. 3,288,957, 11–29–66, Cl. 200—51.09.
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Greenawalt, Robert G. 3,237,771.
Paton, Joseph H., and Pettet. 3,288,299.
Thornton, Donald I. 3,231,089.
Frame, Alexander G., and J. Webb, to United Kingdom Atomic Energy Authority. Nuclear reactor and movable core portions. 3,236,737, 2–22–66, Cl. 176—28.
Frame, Alexander G., H. F. Parker, J. Stacey, and P. L. Riley, to United Kingdom Atomic Energy Authority. Nuclear reactor with improved fuel handling apparatus. 3,271,263, 9–6–66, Cl. 176—30.
Frame, Helen E. Plastic clips. 3,257,695, 6–28–66, Cl. 24—30.5.
Frame, James M.: *See*—
Kolb, Alan C., Frame, and Martin. 3,267,305.
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Belaieff, James F. 3,227,818.
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Feldman, Julian, Saffer, and Frampton. 3,284,529.
Frampton, Robert E.: *See*—
Langager, Truman L., and Frampton. 3,263,762.
Frampton, Ronald C., to MacPennys Mist Propagation Ltd. Apparatus for watering plants. 3,272,225, 9–13–66, Cl. 137—408.
Frampton, Stanley E.: *See*—
Tutt, Kingsley J., and Frampton. 3,284,827.
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Maurice, Jean, and Le Brise. 3,235,043.
France, Bernard H.: *See*—
Kent, Harry W., France, and Likens. 3,288,301.
France, Harold, and D. Lees, to Imperial Chemical Industries Ltd. Process for polymerization of isocyanates. 3,252,942, 5–24–66, Cl. 260—77.5.
France, Harold, V. Kerrigan, and D. Lees, to Imperial Chemical Industries Ltd. Isocyanurate polymers of tolylene diisocyanate. 3,280,066, 10–18–66, Cl. 260—31.2.
Francel, Josef, and R. F. Jagodzinski, to Owens-Illinois, Inc. Coating for glass and method of applying. 3,258,521, 6–28–66, Cl. 174—52.
Franceschini, Enrico. Rotating internal combustion engine 3,249,096, 5–3–66, Cl. 123—16.
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Ercoli, Alberto, and Gardi. 3,242,198.
Ercoli, Alberto, and Gardi. 3,264,329.
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Franchini, Clemente: *See*—
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Walker, Jay P., Glasgow, and Francis. 3,255,571.
Francis, Geoffrey. Palletized storage device. 3,263,831, 8–2–66, Cl. 214—16.1.
Francis, Gus. Explosive bolt. 3,237,521, 3–1–66, Cl. 89—1.
Francis, Henry A., to Arthur D. Little, Inc. Method of forming fine wire grids. 3,291,871, 12–13–66, Cl. 264—1.
Francis, James G., to Royalty Designs of Florida, Inc. Resilient handle-bar grip. 3,251,241, 5–17–66, Cl. 74—551.9.
Francis, James O.: *See*—
Goldsby, Arthur R., and Francis. 3,256,360.
Francis, John H., to Technicolor Corp. of America. Combined cinematograph cameras or projectors and sound recording or reproducing equipment. 3,235,150, 2–15–66, Cl. 226—44.
Francis, John H., to Technicolor Corp. of America. Endless strip-winding device. 3,259,332, 7–5–66, Cl. 242—55.19.

Francis, John P. Automobile rain shield and supporting means thereof. 3,281,182, 10–25–66, Cl. 296—95.
Francis, Marion D., to The Procter & Gamble Co. Oral compositions for caries prophylaxis. 3,235,459, 2–15–66, Cl. 167—93.
Francis, Peter S., to Hercules Inc. Amylaceous materials. 3,293,241, 12–20–66, Cl. 260—233.3.
Francis, Philip S.: *See*—
Bourne, Benjamin A., and Francis. 3,232,793.
Francis, Ray D., to Swift & Co. Method for producing food product. 3,235,388, 2–15–66, Cl. 99—109.
Francis, Robert H.: *See*—
Knight, Noble A., and Francis. 3,285,412.
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Taber, Philip. 3,228,275.
Francis, Stanley W. Carpet stretcher. 3,266,772, 8–16–66, Cl. 254—63.
Francis, Thayer, Jr.: *See*—
Taber, Philip. 3,228,275.
Francis, Thomas, J. F. Furrer, M. H. Jones, G. E. Murray, and M. P. Thorne. Flexible self-expandable and self-contained unit with pyrotechnic sheet. 3,294,602, 12–27–66, Cl. 149—109.
Francis, Willard F.: *See*—
Solt, Paul E., and Francis. 3,276,753.
Francis, William C.: *See*—
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Francis, William C., R. W. Hill, and J. W. Jones, Jr., to Gulf Oil Corp. Polyethylene and polypropylene containers coated with a polyester resin. 3,279,940, 10–18–66, Cl. 117—94.
Francisco, Charles C., to Cambridge Systems, Inc. Dewpoint sensing structure. 3,269,185, 8–30–66, Cl. 73—336.5.
Francisco, Edward E., Jr., to Emerson Electric Co. Turbine flow meter. 3,248,943, 5–3–66, Cl. 73—231.
Francisco, Sherman G., to International Business Machines Corp. Electronic switching apparatus. 3,239,831, 3–8–66, Cl. 340—347.
Francisco, William H., to Curtiss-Wright Corp. Automatic toroidal-type transmission. 3,244,025, 4–5–66, Cl. 74—690.
Franck, George E., to Imperial-Eastman Corp. Tube fitting. 3,232,648, 2–1–66, Cl. 285—322.
Franck, George E., to Imperial-Eastman Corp. Fitting for threadless tubes. 3,245,704, 4–12–66, Cl. 285—341.
Franck, George E., to Imperial-Eastman Corp. Flared fitting. 3,294,425, 12–27–66, Cl. 285—334.5.
Franck, Kurt, to Holophane Co., Inc. Street lighting luminaire. 3,249,750, 5–3–66, Cl. 240—25.
Franck, Kurt, to Holophane Co., Inc. Street light refractor. 3,278,743, 10–11–66, Cl. 240—25.
Franck, Kurt, to Holophane Co., Inc. Luminaire. 3,284,626, 11–8–66, Cl. 240—25.
Franck, Pierre. Electromagnetic device, more particularly for use with contactors, relays and telebreakers. 3,272,940, 9–13–66, Cl. 200—105.
Franckowiak, Stanley V. Portable combined oiler and chip catcher for rotary metal cutting machines. 3,249,954, 5–10–66, Cl. 10—106.
Franco, Walter R. "Handy Pak" baby bottle. 3,258,873, 7–5–66, Cl. 46—11.
Franco-Belge de Materiel de Chemins de Fer: *See*—
Labruyere, Jean. 3,252,379.
Francoeur, Robert J.: *See*—
Bilodeau, Alvin V., Francoeur, and Stein. 3,265,968.
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Francois, Edgar: *See*—
Elliott, Daniel R., Francois, and Roebuck. 3,280,567.
Francois, Henri: *See*—
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Francois, Marcel, to Sotchkiss-Brandt. Internal combustion engine. 3,263,659, 8–2–66, Cl. 123—32.
Francois, Paul L., to Wix Corp. Screw on type filter. 3,279,609, 10–18–66, Cl. 210—232.
Francy, James R., to Scantlin Electronics, Inc. Cam operated snap-switch having wire contacts. 3,274,355, 9–20–66, Cl. 200—77.
Frandeen, Ned W. Dispensing receptacle. 3,240,399, 3–15–66, Cl. 222—211.
Frandsen, Walter N., to Universal Oil Products Co. Dirt trap for downflow reactors. 3,255,159, 6–7–66, Cl. 23—288.
Franek, Jozef, to The Metal Box Co. Ltd. Apparatus for rolling strip metal. 3,253,445, 5–31–66, Cl. 72—164.
Franey, Orville A. Method of making wiping cloth. 3,247,009, 4–19–66, Cl. 117—56.
Frangatos, Gerrassimos, to Mobil Oil Corp. Preparation of benzofuran, benzothiophene, and indoles. 3,271,414, 9–6–66, Cl. 260—319.1.
Frangos, Everett W. Gyroscopic top. 3,287,846, 11–29–66, Cl. 46—50.
Frangos, John, to Revlon, Inc. Aerosol dispenser for plural fluids. 3,272,389, 9–13–66, Cl. 222—136.
Frangos, John, to Revlon, Inc. Aerosol dispensing apparatus. 3,272,402, 9–13–66, Cl. 222—394.
Frangos, John, to Revlon, Inc. Aerosol dispensing apparatus. 3,292,827, 12–20–66, Cl. 222—402.24.
Frangos, John, and M. Schwarz, to Revlon, Inc. Aerosol dispensing apparatus. 3,270,919, 9–6–66, Cl. 222—82.
Frangos, John W. Storage system. 3,294,260, 12–27–66, Cl. 214—16.1.
Frania, Josef, and F. Scheele, to Westinghouse Bremsen-Gesellschaft, m.b.H. Pneumatic constant speed control apparatus for power machines. 3,275,009, 9–27–66, Cl. 137—36.
Frania, Josef, and F. Scheele, to Westinghouse Bremsen-Gesellschaft, m.b.H. Hydraulic pressure regulating valve. 3,272,220, 9–13–66, Cl. 137—116.5.
Frank, Andrew A., and R. O. Rogers, to North American Aviation, Inc. Phase sensitive demodulator operating on bipolar amplitude modulated signals. 3,229,210, 1–11–66, Cl. 328—1.
Frank, Arne, J. C. Roach, and C. F. Speich, to The Trane Co. Compressor. 3,239,132, 3–8–66, Cl. 230—58.
Frank, Carl E., to General Electric Co. Afterburner fuel control mechanism. 3,243,955, 4–5–66, Cl. 60—35.6.
Frank, Edmund, and E. F. Polic, to Packard Instrument Co., Inc. Apparatus with vertical and lateral movable means for handling groups of radioactive samples. 3,257,009, 6–21–66, Cl. 214—16.4.
Frank, Edward, to Philco Corp. Indicating apparatus. 3,227,129, 1–4–66, Cl. 116—124.1.
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Butler, Claude R., and Frank. 3,263,805.
Frank, Gunter, R. Wegler, and W. Gobel, to Farbenfabriken Bayer Aktiengesellschaft. Stabilizers and plasticizers for polymers which contain chemically combined chlorine. 3,247,155, 4–19–66, Cl. 260—30.4.
Frank, Hermann: *See*—
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Frank, Jacob: *See*—
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Frank, John N., and R. A. Stott, to General Electric Co. Semiconductor contact means. 3,268,309, 8–23–66, Cl. 29—195.
Frank, Joseph J. Machine for applying fasteners to sausage casing. 3,237,290, 3–1–66, Cl. 29—243.57.
Frank, Joseph R., to American Improved Products, Inc. Paper supporting accessory for telephones. 3,245,696, 4–12–66, Cl. 281—15.
Frank, Klaus: *See*—
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Frank, Lee F., to Eastman Kodak Co. Cylindrical lens scanning system. 3,241,438, 3–22–66, Cl. 88—24.
Frank, Lee F., and S. Michel, to Eastman Kodak Co. Fiber optical scanning system. 3,232,201, 2–1–66, Cl. 95—75.
Frank, Leonard E. Hub linkage axle nut tool. 3,276,298, 10–4–66, Cl. 81—75.
Frank, Milton A., Sr. Spindle stabilizer. 3,263,969, 8–2–66, Cl. 259—108.
Frank, Raymond G., to Ametek, Inc. Servomechanism. 3,261,211, 7–19–66, Cl. 74—1.
Frank, Richard B., J. E. Kus, and F. R. Rowan, to Nuclear-Chicago Corp. Automatic sample changer for radioactive samples. 3,246,156, 4–12–66, Cl. 250—106.
Frank, Richard J. Interlock hospital chart holder. 3,261,360, 7–19–66, Cl. 129—35.
Frank, Richard W., to General Radio Co. Reversible counter having identical sequence of counting states during forward and reverse counting. 3,227,893, 1–4–66, Cl. 307—88.5.
Frank, Robert I.: *See*—
Simmons, John G., and Frank. 3,293,512.
Frank, Robert K., to Holley Carburetor Co. Magnetic pulse generator ignition distributor. 3,272,930, 9–13–66, Cl. 200—19.
Frank, Robert K., A. Schneider, and W. F. Shunn, to Holley Carburetor Co. Ignition distributor. 3,289,020, 11–29–66, Cl. 310—70.
Frank, Robert R., and G. E. Porter, to The Roberts Brass Mfg. Co. Cam-controlled valve structure. 3,280,844, 10–25–66, Cl. 137—625.38.
Frank, Rudolph, to Electro-Optical Systems, Inc. Solid vaporization. 3,274,372, 9–20–66, Cl. 219—271.
Frank, S. M., & Co., Inc.: *See*—
Fassbender, Frederick A. 3,234,916.
Fassbender, Frederick A. 3,289,678.
Gerber, Daniel W. 3,255,890.
Frank, Sidney M.: *See*—
Finneran, James A., Martin, and Frank. 3,278,398.
Frank, Simon: *See*—
Meyers, Marion D., and Frank. 3,281,220.
Frank, Theodore, and M. Goldwasser. Process for preparing aluminum surfaces prior to plating. 3,287,179, 11–22–66, Cl. 148—6.21.
Frank, Wallace E., to Spitz Laboratories, Inc. Intermediate space transit planetarium. 3,256,619, 6–21–66, Cl. 35—45.
Frank, Wallace E., to The Franklin Institute. Detection and measurement device having a small flexible fiber transmission line. 3,273,447, 9–20–66, Cl. 88—1.
Frank, Walter J., Jr., to Burndy Corp. Molded insulation casing. 3,255,302, 6–7–66, Cl. 174—188.
Frank, Wilhelm, to Jenaer Glaswerk Schott & Gen. Apparatus with ground glass surface for flim-type distillation. 3,250,687, 5–10–66, Cl. 202—205.
Frank, William H., and E. T. Platz, to New Twist Connector Corp. Method of making a plug-in connector. 3,277,560, 10–11–66, Cl. 29—155.55.
Franke, Heins, and W. Eming, to Babcock & Wilcox, Ltd. Arrangement for the removal of decay heat from a nuclear reactor. 3,251,747, 5–17–66, Cl. 176—60.

Franke, Heinz, and A. Hammer, to Carl Zeiss-Stiftung. Method and apparatus for the storing and reproduction of digital signals utilizing circumferential displacement. 3,286,244, 11–15–66, Cl. 340—174.1.
Franke, Norman W.: *See*—
Barnes, Wendell A., and Franke. 3,245,943.
Franke, Walter. Rotary piston apparatus. 3,289,655, 12–6–66, Cl. 123—44.
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Frankel, Adolf, to Associated Electrical Industries Ltd. Steam turbines. 3,236,051, 2–22–66, Cl. 60—64.
Frankel, Adolf, and H. R. M. Craig, to Richardsons, Westgarth & Co. Ltd. Multistage flash evaporators. 3,228,859, 1–11–66, Cl. 202—173.
Frankel, Adolf, and P. H. Brazier, to Associated Electrical Industries Ltd. Steam turbine power plants. 3,238,729, 3–8–66, Cl. 60—67.
Frankel, Adolf, and G. Jenson, to Associated Electric Industries Ltd. Turbine rotors. 3,282,561, 11–1–66, Cl. 253—77.
Frankel, Milton B., to Aerojet-General Corp. Certain 1-trinitroalkylene-substituted dinitrotriazacycloalkanes and their preparation. 3,228,929, 1–11–66, Cl. 260—239.
Frankel, Milton B., to Aerojet-General Corp. Certain polynitrato compounds and their preparation. 3,278,578, 10–11–66, Cl. 260—467.
Frankel, Milton B., and C. H. Tieman, to Aerojet-General Corp. Nitraza amines and process for their production. 3,234,282, 2–8–66, Cl. 260—583.
Frankel, Samuel R. Tape perforator with variable width tape guide attachment. 3,275,233, 9–27–66, Cl. 234—1.
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Allen, Duff S., Jr., Dobbs, Ruso, and Frankel. 3,275,677.
Allen, Duff S., Jr., Ruso, and Frankel. 3,293,294.
Frankenberg, Henry E., to Continental Can Co., Inc. Food container for use in space ships. 3,227,308, 1–4–66, Cl. 222—1.
Frankenberg, Henry E., to Continental Can Co., Inc. Wire opener attached by boss to scored can end. 3,235,123, 2–15–66, Cl. 220—48.
Frankenberg, Henry E., to Continental Can Co., Inc. Easy opening reclosure can. 3,245,575, 4–12–66, Cl. 220—47.
Frankenberg, Henry E., to Continental Can Co., Inc. Easy-opening ring and scored clinch cap. 3,266,659, 8–16–66, Cl. 220—54.
Frankenberg, Henry E., to Continental Can Co., Inc. Dispensing container for shortening or the like. 3,273,608, 9–20–66, Cl. 141—27.
Frankenberg, Henry E., to Continental Can Co., Inc. Container with expelling means for use in manned space ships. 3,273,760, 9–20–66, Cl. 222—386.
Frankenberg, Henry E., to Continental Can Co., Inc. Easy-opening ring and plug closure. 3,286,875, 11–22–66, Cl. 220—54.
Frankenberg, Henry E., to Continental Can Co., Inc. Container for use in space ships. 3,289,827, 12–6–66, Cl. 206—47.
Frankenberg, Henry E., to Continental Can Co., Inc. Food containers for manned space ships. 3,289,891, 12–6–66, Cl. 222—92.
Frankenfield, Henry M., to Hunt Mfg. Co. Baren. 3,280,662, 10–25–66, Cl. 81—1.
Frankhauser, Frederick M., to Mita-Flo Inc. Metal treating gas composition, and apparatus for its preparation. 3,291,581, 12–18–66, Cl. 48—197.
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Frankl, Daniel R., to Sylvania Electric Products, Inc. Electroluminescent device. 3,235,736, 2–15–66, Cl. 250—213.
Frankl, Ernest, to Winthrop-Atkins Co., Inc. Self-erecting building block. 3,234,682, 2–15–66, Cl. 46—24.
Frankl, Ernest, to Winthrop-Atkins Co., Inc. Endless band puzzle. 3,235,262, 2–15–66, Cl. 273—155.
Frankland, Peter G., to Midland Silicones Ltd. Organopolysiloxane elastomers. 3,280,072, 10–18–66, Cl. 260—46.5.
Franklin, Alpheus A., to The Atlantic Refining Co. Rotary safety blade. 3,283,488, 11–8–66, Cl. 56—295.
Franklin, Charles S., to Parke, Davis & Co. Antiparasitic compositions and use thereof. 3,253,986, 5–31–66, Cl. 167—53.
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Franklin, Edmond G., to The Hoover Co. Shampooing and scrubbing device. 3,274,632, 9–27–66, Cl. 15—29.
Franklin, Edmond G., to The Hoover Co. Steam and spray iron. 3,287,837, 11–29–66, Cl. 38—77.
Franklin, Edmond G., to The Hoover Co. Electrolytic appliance for treating surfaces. 3,294,664, 12–27–66, Cl. 204—224.
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Scaefer, Edward J. 3,289,018.
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Franklin, Harlow M., to Waters Mfg. Inc. Multiple turn indicator. 3,241,515, 3–22–66, Cl. 116—124.
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Franklin, Kenneth V., to Communications Patents Ltd. Radar training apparatus. 3,251,922, 5–17–66, Cl. 35—10.4.
Franklin, Matthew J., to Cen-Vi-Ro Corp. Pipe joint of synthetic plastic concrete. 3,237,954, 3–1–66, Cl. 277—237.
Franklin, Paul R. Palletized refrigeration unit. 3,228,205, 1–11–66, Cl. 62—237.
Franklin, Paul W., to American Machine & Foundry Co. Duplex generator for providing independently regulated A.C. and D.C. current output. 3,267,353, 8–16–66, Cl. 322—90.
Franklin, Robert T. Chamfering tool. 3,292,493, 12–20–66, Cl. 90—11.
Franklin, Virgil L. Tissue box holder for vehicles. 3,288,416, 11–29–66, Cl. 248—311.
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Franklin, William J., and N. C. Martin, to United States of America, National Aeronautics and Space Administration. Segmented back-up bar. 3,229,884, 1–18–66, Cl. 228—50.
Frankowski, Jerome J., and C. S. Garski, to Holley Carburetor Co. Governor control valve with adjustable self-locking device. 3,288,161, 11–29–66, Cl. 137—56.
Franks, Bobby G., to Phillips Petroleum Co. Retainer ring and washer for tractor-trailer with fifth wheel. 3,275,390, 9–27–66. Cl. 308—136.
Franks, Gerald N., to United States of America, Agriculture. Apparatus for restoring moisture to cotton. 3,292,275, 12–20–66, Cl. 34—17.
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Farmer, Clayton P., and Franks. 3,239,263.
Franks, Robert F., to E. I. du Pont de Nemours and Co. Temperature indicating apparatus. 3,255,631, 6–14–66, Cl. 73—345.
Franse, Albert D.: *See*—
Watson, Frederick D., Franse, and Pettefer. 3,247,089.
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Starre, Gerrit, Fransen, and Driessen. 3,281,937.
Frant, Martin S. Icing indicator system. 3,229,271, 1–11–66, Cl. 340—234.
Frant, Martin S., and R. Eiss. Semiconducting perylene complexes of inorganic halides. 3,231,500, 1–25–66, Cl. 252—62.3.
Frant, Martin S., and S. G. Shannon, to AMP Inc. Sealing of crimped connections. 3,243,758, 3–29–66, Cl. 339—115.
Frant, Martin S., and R. Eiss, to AMP Inc. Semiconductor material of perylene and ferric chloride having a P-N junction. 3,274,034, 9–20–66, Cl. 148—33.
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Frantz, Charles E., W. E. Cawley, F. F. Vlacil, and E. R. Astley, to United States of America, Atomic Energy Commission. Explosion apparatus for flanging a tube. 3,287,947, 11–29–66, Cl. 72—56.
Frantz, Franklin D., Jr.: *See*—
Martin, Jacob H., and Frantz. 3,237,066.
Frantz, Robert H.: *See*—
Kinkaid, Robert J., and Frantz. 3,251,125.
Frantz, Robert N.: *See*—
Bosley, Alfred D., Jr., Frantz, Ryszewski, and Scott. 3,288,487.
Frantz, Virgil L., to Graham-White Sales Corp. Master and slave valve assembly. 3,234,968, 2–15–66, Cl. 137—625.63.
Frantz, Virgil L., to Graham-White Sales Corp. Manually operable solenoid valve. 3,236,494, 2–22–66, Cl. 251—130.
Frantz, Virgil L., to Graham-White Sales Corp. Rotary sand cut-off. 3,245,592, 4–12–66, Cl. 222—517.
Frantz, Virgil L., to Graham-White Sales Corp. Drain valve. 3,262,464, 7–26–66, Cl. 137—204.
Frantz, Virgil L., to Graham-White Sales Corp. Check valve having head and seat in removable cartridge. 3,272,219, 9–13–66. Cl. 137—112.
Frantz, Virgil L., to Graham-White Sales Corp. Control valve. 3,289,690, 12–6–66, Cl. 137—244.
Frantz, William: *See*—
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Frantz, William, to Martin-Marietta Corp. Fluid pressure operated actuator. 3,290,670, 12–6–66, Cl. 340—347.
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Hibbel, Josef, Schaub, and Franz. 3,230,865.
Franz, Frederick. Metronome. 3,230,785, 1–25–66, Cl. 74—198.
Franz, Frederick. Motor having bearing chambers in which the oil is retained by meniscus forces. 3,284,650, 11–8–66, Cl. 310—90.

Franz, Hans: *See*—
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Franz, Henry P., to Heinemann Electric Co. Circuit-breaker linkage auxiliary tripping arrangement. 3,273,089, 9–13–66, Cl. 335—166.
Franz, Henry W., to Kennecott Copper Corp. Method and apparatus utilizing radiation for depth control of flowable materials. 3,248,061, 4–26–66, Cl. 241—30.
Franz, John E., to Monsanto Co. Tetrahydrophthalic acid derivatives. 3,281,429, 10–25–66, Cl. 260—326.3.
Franz, John E., and C. Osuch, to Monsanto Co. Triazene derivatives. 3,282,895, 11–1–66, Cl. 260—47.
Franz, John E., and C. Osuch, to Monsanto Co. Aziridine derivatives. 3,284,444, 11–8–66, Cl. 260—239.
Franz, Joseph P., to General Electric Co. Air cooling arrangement for salient pole rotors. 3,261,994, 7–19–66, Cl. 310—61.
Franz, Kurt, J. Schulz, and J. Gottschald, to Telefunken Patentverwertungs-G.m.b.H. Analog-to-digital converter. 3,253,130, 5–24–66, Cl. 235—154.
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Franz, Raymond A., and R. N. Moore, to Monsanto Co. Olefin conversion to alicyclic hydrocarbons. 3,272,877, 9–13–66, Cl. 260—666.
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Franz, Rudolph J., to The Dole Valve Co. Electro vacuum temperature control system. 3,286,922, 11–22–66, Cl. 236—9.
Franz, Rudolph J., to The Dole Valve Co. Bi-metal transducer. 3,294,320, 12–27–66, Cl. 236—87.
Franz, Thomas J., Jr., to Sperry Rand Corp. Control systems employing a constant current source and variable impedance means that produce control signals for a magnetic amplifier. 3,227,943, 1–4–66, Cl. 323—66.
Franz, William F.: *See*—
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King, William H., Trimble, and Franz. 3,285,846.
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Berthmann, Adolf, Franze, and Lingens. 3,231,437.
Franze, Ermal C. Container opening device for metallic can ends. 3,255,917, 6–14–66, Cl. 220—54.
Franzel, Richard M. Automatic stability control for ground vehicles. 3,243,192, 3–29–66, Cl. 280—29.
Franzel, Richard M. Automatic stability control means for towed vehicles. 3,288,240, 11–29–66, Cl. 180—82.
Franzen, Erwin F. Exothermic hot top insert. 3,279,007, 10–18–66, Cl. 22—209.
Franzen, Gustav, to Volkmann & Co. Attachment for bobbin winding equipment. 3,237,876, 3–1–66, Cl. 242—18.
Franzen, Gustav, to Palitex Project Co. G.m.b.H. Device for arresting a multiple twist spindle. 3,269,103, 8–30–66, Cl. 57—88.
Franzen, Gustav, to Palitex Project Co. G.m.b.H. Double twist spindle. 3,276,197, 10–4–66, Cl. 57—58.83.
Franzen, Gustav. Means for withdrawing yarn from yarn packages. 3,284,024, 11–8–66, Cl. 242—128.
Franzen, Gustav, and H. Stenmans, to Klaus Nimtz. Bobbin holder for winding and twist frames. 3,286,948, 11–22–66, Cl. 242—129.51.
Franzen, Ingmar, to Aktiebolaget Flygts Pumpar. Rotary pump unit. 3,272,136, 9–13–66, Cl. 103—87.
Franzoso, Anthony E.: *See*—
Quinn, Robert G., and Franzoso. 3,232,865.
Franzreb, John K. Wave operated pump. 3,289,592, 12–6–66, Cl. 103—68.
Frappier, Robert H., and J. F. O'Rourke, Jr., to Bostitch Inc. Material handling apparatus. 3,270,630, 9–6–66, Cl. 93—93.
Frasca, Thomas, J. Rodin, and J. F. Loftus, to United Aircraft Corp. Centrally supported flameholder. 3,269,116, 8–30–66, Cl. 60—35.6.
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Fraser, Donald C.: *See*—
Bata, George L., and Fraser. 3,260,695.
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Fraser, Douglas S.: *See*—
Thompson, Taylor, Powell, and Fraser. 3,238,778.
Fraser, George K.: *See*—
Waller, Milton M., and Fraser. 3,256,538.
Fraser, George L., and T. F. Piel, to Owens-Illinois Inc. Forehearth construction. 3,294,517, 12–27–66, Cl. 65—346.
Fraser, Hugh D., and M. C. Unglert, to Westinghouse Electric Corp. Mercury vapor lamp seasoning and sealing method. 3,291,548, 12–13–66, Cl. 316—18.
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Fraser, Malcolm J.: *See*—
Haverstraw, Robert C., and Faser. 3,294,529.
Fraser, Malcolm J., and R. E. Wien, to Westinghouse Electric Corp. Method of preparing niobium base alloy wire. 3,278,-344, 10–11–66, Cl. 148—11.5.
Fraser, R. Lee. Method of constructing a building. 3,260,-028, 7–12–66, Cl. 52—745.
Fraser, Raymond J., B. J. Stapf, and L. M. Ripple, to The Bastian-Blessing Co. Discharge head for dispensing freezer. 3,229,476, 1–18–66, Cl. 62—267.
Fraser, Reginald P., to Societe Anonyme de Machines Electrostatiques. Electrostatic spraying apparatus having vortex atomizing construction. 3,233,831, 2–8–66, Cl. 239—15.
Fraser, Reginald P., to Societe Anonyme de Machines Electrostatiques. Apparatus for dispersing and electrically charging substances in discrete particulate form. 3,248,606, 4–26–66, Cl. 317—3.
Fraser, Reginald P., and M. S. Woosnam, to Urquhart's (1926) Ltd. Method of burning fuels. 3,228,451, 1–11–66, Cl. 158—117.5.
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Fraser, William, deceased; by D. Fraser, W. Fraser, Jr., and H. F. Phillips, executors, to The Fraser Hydraulic Transmission Co. Hydraulic couplings. 3,229,794, 1–18–66, Cl. 192—60.
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Frasher, Paul E., A. D. Davis, and H. A. Platkevich, to A. B. Dick Co. Heat stencilizable stencil. 3,250,687, 5–10–66, Cl. 117—35.5.
Frasier, Curtis L., to The Morley Co. Apparatus for attaching strap handles. 3,243,092, 3–29–66, Cl. 227—94.
Frassetto, Bruno S., to Dorr-Oliver Inc. Pallet transfer trailers. 3,243,062, 3–29–66, Cl. 214—84.
Frastaci, Frank, and R. B. Freeman, to ETC Inc. Means for positioning connectors. 3,281,026, 11–1–66, Cl. 29—203.
Frasure, James W., and D. H. Bruseau. Combined handle and holder means for fluid cartons. 3,250,562, 5–10–66, Cl. 294—31.2.
Frate, Roland A., P. A. Cook, and H. F. Elsom, to Celanese Corp. of America. Method of producing crepe-like fabrics. 3,280,443, 10–25–66, Cl. 28—72.
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Frayer, James A., T. Rice, J. R. Strausser, and E. M. Sutphin, to Gulf Research & Development Co. Production of a reduced sulfur content and pour point high boiling gas oil. 3,254,020, 5–31–66, Cl. 208—89.
Frayer, James A., R. F. Mansfield, R. E. Peterson, and E. M. Sutphin, to Gulf Research & Development Co. Process for thermal hydrodealkylation. 3,284,526, 11–8–66, Cl. 260—672.
Frayer, Theodore, to The Goodyear Tire & Rubber Co. Compensator for friction material wear and hydraulic brake with mechanical parking brake attachment. 3,244,260, 4–5–66, Cl. 188—196.
Fraylick, John R., to The Standard Oil Co. Backwash shield assembly. 3,291,165, 12–13–66, Cl. 141—286.
Fraze, Ermal C. Pre-puncturing tab. 3,250,426, 5–10–66, Cl. 220—54.
Fraze, Ermal C. Container opening devices. 3,273,744, 9–20–66, Cl. 220—54.
Fraze, Ermal C. Can top. 3,291,336, 12–13–66, Cl. 220—54.
Frazel, Wilbur H., to The New York Air Brake Co. Belt feeder. 3,247,918, 4–26–66, Cl. 177—161.
Frazel, Wilbur H., to The New York Air Brake Co. Reversing gear drive for a telemetric receiver. 3,285,086, 11–15–66, Cl. 74—319.
Frazelle, Jay B. Removable grip positioner for golf clubs. 3,256,023, 6–14–66, Cl. 273—165.
Frazer, August H., to E. I. du Pont de Nemours and Co. Aromatic poly-1,3,4-oxadiazoles and process of making same. 3,238,183, 3–1–66, Cl. 260—78.4.
Frazer, Douglas S., and C. E. Bender, to The Virtis Co. Inc. Freeze drying apparatus. 3,293,773, 12–27–66, Cl. 34—92.
Frazier, Benjamin L. Telescoping brush and holder. 3,278,-965, 10–18–66, Cl. 15—184.
Frazier, Donald. Cantilever rack. 3,251,478, 5–17–66, Cl. 211—176.
Frazier, Donald. Multi-deck table. 3,289,614, 12–6–66, Cl. 108—91.
Frazier, Larry C., to National-Standard Co. Pneumatic tires. 3,240,250, 3–15–66, Cl. 152—354.
Frazier, Larry C., to National-Standard Co. Band building apparatus for tire building machine. 3,251,725, 5–17–66, Cl. 156—412.
Frazier, Larry C., to National-Standard Co. Restrictive tread ply components for pneumatic tires. 3,288,194, 11–29–66, Cl. 152—361.
Frazier, Larry C., to National-Standard Co. Restrictive tread component. 3,294,143, 12–27–66, Cl. 152—361.

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Frazier, Preston J., Jr., to Faroy, Inc. Candle novelty. 3,286,492, 11–22–66, Cl. 67—21.
Frazier, Robert H., and R. G. Toth, to The Youngstown Sheet and Tube Co. Method of producing a rolled steel product. 3,264,144, 8–2–66, Cl. 148—12.
Frazier, Thomas J. Propeller for boats. 3,270,820, 9–6–66, Cl. 170—135.21.
Frazza, Everett J., and W. O. Fugate, to American Cyanamid Co. Preparation and fungicidal use of tetracyanodithiadiene. 3,265,565, 8–9–66, Cl. 167—33.
Frazza, Everett J., and L. Rapoport, to American Cyanamid Co. B-cyanovinyl thioethers of certain thiazole compound. 3,271,408, 9–6–66, Cl. 260—306.6.
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Frear, William, to Philco Corp. Signal receiving and indicating system having receiver controlled indicator operated intermittently during signal reception to prevent regeneration. 3,283,315, 11–1–66, Cl. 340—286.
Freathy, Ralph E. to V-M Corp. Intermix selector mechanism for record changers. 3,285,611, 11–15–66, Cl. 274—10.
Freathy, Ralph E., and R. J. Hammond, to V-M Corp. Retractable tone arm support post for compact record changer. 3,244,423, 4–5–66, Cl. 274—23.
Freathy, Ralph E., and R. J. Hammond, to V-M Corp. Automatic shut-off mechanism for record changers. 3,279,798, 10–18–66, Cl. 274—10.
Freber, Elmer C., to Marquette Tool & Die Co. Transmission for miniature racing automobiles. 3,236,114, 2–22–66, Cl. 74—325.
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Frech, Kenneth J., to The Goodyear Tire & Rubber Co. Methyl mercaptan promoted pyrolysis of olefins. 3,254,136, 5–31–66, Cl. 260—680.
Frech, Kenneth J., to The Goodyear Tire & Rubber Co. Promoted pyrolysis process. 3,284,532, 11–8–66, Cl. 260—680.
Frech, Kenneth J., to The Goodyear Tire & Rubber Co. Cracking promoters. 3,287,437, 11–22–66, Cl. 260—680.
Frech, Kenneth J., to The Goodyear Tire & Rubber Co. Modified cracking process. 3,287,438, 11–22–66, Cl. 260—680.
Freche, John C., S. J. Klima, and R. L. Ashbrook, to United States of America, National Aeronautics and Space Administration. High temperature cobalt-base alloy. 3,271,140, 9–6–66, Cl. 75—170.
Freche, John C., R. L. Ashbrook, and G. D. Sandrock, to United States of America, Administrator of the National Aeronautics and Space Administration. High temperature cobalt-base alloy. 3,276,865, 10–4–66, Cl. 75—170.
Freche, John C., and W. J. Waters, to United States of America, Administrator of the National Aeronautics and Space Administration. Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B. 3,276,866, 10–4–66, Cl. 75—171.
Frechette, Ernest A. Sliced food serving rack. 3,282,438, 11–1–66, Cl. 211—49.
Frechette, Kenneth R., to Royal Typewriter Co., Inc. Tabular stop assembly. 3,283,872, 11–8–66, Cl. 197—70.
Frechette, Leo P., C. A. Simpson, and R. J. Slabinski, to Royal Typewriter Co., Inc. Cam operated ribbon vibrator and ribbon feed mechanism. 3,237,747, 3–1–66, Cl. 197—159.
Frechette, Raymond A., to General Instrument Corp. Testing and sorting machine for electronic components. 3,282,420, 11–1–66, Cl. 209—75.
Freda, Francis D. Flocking apparatus. 3,239,146, 3–8–66, Cl. 239—142.
Frede, Wilhelm. Pressure transmitter. 3,250,286, 5–10–66, Cl. 137—85.
Frederick, Arthur I., to The Pandjiris Weldment Co. Flux feeding and back-up apparatus. 3,227,349, 1–4–66, Cl. 228—41.
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Frederick, Harold M., to Burroughs Corp. Mechanical bistable device. 3,251,240, 5–17–66, Cl. 74—527.
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Frederick, James E., to Westinghouse Electric Corp. Welding apparatus and method of welding. 3,253,118, 5–24–66, Cl. 219—131.
Frederick, John E., to Anaconda Wire and Cable Co. Payoff package. 3,249,320, 5–3–66, Cl. 242—137.1.
Frederick, Lawrence M., to Avirett, Indiana. Aqua lift. 3,289,627, 12–6–66, Cl. 114—230.
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Fredericks, William M. Colored flame candle and the method for making same. 3,266,272, 8–16–66, Cl. 67—22.
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Fredrickson, Gustav O., to The Superior Electric Co. Linear electric motor and control system. 3,292,065, 12–13–66, Cl. 318—135.
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Fredrickson, Leslie B. Bottle cap opener. 3,229,553, 1–18–66, Cl. 81—3.44.
Fredrickson, Paul B., 50% to P. B. Fredrickson, 40% to W. F. Wessendorf, Jr., and 10% to N. H. Shapiro. Emitter. 3,230,423, 1–18–66, Cl. 317—4.
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Freed, Meier E., and L. M. Rice, to American Home Products Corp. Fluorene-9-carboxylic acid esters of hydroxyalkyl azaspiranes. 3,265,701, 8–9–66, Cl. 260—294.3.
Freed, Meier E., and L. M. Rice, to American Home Products Corp. Novel xanthene-9-carboxylic acid esters of hydroxyalkyl azaspiranes. 3,265,702, 8–9–66, Cl. 260—294.3.
Freed, Meier E., and E. Hertz, to American Home Products Corp. 4-aminophenylcyclopropyl ketones. 3,268,533, 8–23–66, Cl. 260—268.
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Freeman, Donald C., Jr., and E. J. M. Lynch, to Union Carbide Corp. Superconductive systems. 3,275,857, 9–27–66, Cl. 307—149.
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Freeman, John H., Jr., to Union Oil Co. of California. Ignition control for piezoelectric ignition systems. 3,229,153, 1–11–66, Cl. 315—55.
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Freeman, John T., to E. I. du Pont de Nemours and Co. Calendar bank size indicator. 3,264,682, 8–9–66, Cl. 18—2.
Freeman, John T., and C. W. Sanders, to E. I. du Pont de Nemours and Co. Calender bank size automatic control system. 3,274,308, 9–20–66, Cl. 264—40.
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Freeman, Maurice. Subsurface heating system and unit therefor. 3,234,355, 2–8–66, Cl. 219—213.
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Freeman, Philip. Collapsible-tube closure crimping unit. 3,273,310, 9–20–66, Cl. 53—371.
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Frei, Ephraim H., S. Leibinsohn, and S. Shtrikman; said Frei and Leibinsohn, assors. to Yeda Research and Development Co., Ltd. Thermally actuated devices. 3,285,470, 11–15–66, Cl. 222—54.
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Freiberg, Leslie A., and J. W. Cole, to Abbott Laboratories. 3β-aminoandrost-5-ene-17β-carboxylic acid and derivatives thereof. 3,246,018, 4–12–66, Cl. 260—397.1.
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Frink, Russell E., to Westinghouse Electric Corp. Gas-evolving arc-elongating high-voltage fuse. 3,242,291, 3–22–66, Cl. 200—120.

Frink, Russell E., to Westinghouse Electric Corp. Fuse having separate telescoping small current and large current arcing chambers. 3,270,166, 8–30–66, Cl. 200—120.

Frink, Russell E., to Westinghouse Electric Corp. Vacuum circuit interrupter with condensing shield serving as one of the main contacts. 3,283,100, 11–1–66, Cl. 200—144.

Frink, Russell E., and A. Frey, to Westinghouse Electric Corp. Fuse constructions including a gas filled reservoir. 3,268,690, 8–23–66, Cl. 200—120.

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Palm, Richard H., Sr., and D. E., and Vasile, Frier, and Matthews. 3,285,448.

Fries, Friedrich-August, to Chemische Werke Huls Aktiengesellschaft. Process for the production of diolefins having terminal non-conjugated double bonds. 3,255,271, 6–7–66, Cl. 260—681.

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Friese, Karl-Hermann, E. Justi, and A. Winsel, to Varta Aktiengesellschaft, and Siemens-Schuckert-Werke Aktiengesellschaft. Catalytic electrodes and process for storing electrical energy. 3,230,114, 1–18–66, Cl. 136—86.

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Friesser, Walter E., to O. F. Jordan Co., Inc. Power operated vehicle. 3,291,243, 12–13–66, Cl. 180—19.

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Frump, John A., to Commercial Solvents Corp. Process for the production of amino hydroxyethers. Re. 26,069, 8–2–66, Cl. 260—570.6.

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Fukumoto, Ichiro: *See*—
Ichinose, Yukio, and Fukumoto. 3,264,100.

Fukumoto, Juichiro, Y. Tsujisaka, and M. Iwai. Preparation of stable lipase composition and purification thereof. 3,262,-863, 7–26–66, Cl. 195—66.

Fukumoto, Juichiro, and H. Negoro. Process for preparing thermally stable amylase composition. 3,272,717, 9–13–66, Cl. 195—68.

Fukunaga, Toshiyuki, to Sanshin Zigzag Sewing Machine Co., Ltd. Zigzag sewing machine. 3,291,082, 12–13–66, Cl. 112—158.

Fukuoka, Sadao. Sandals. 3,290,802, 12–13–66, Cl. 36—11.5.

Fukuoka, Shigetada, to Nippon Kogaku K.K. Automatic exposure adjusting device for cine cameras. 3,277,803, 10–11–66, Cl. 95—10.

Fukuroi, Takeo, to Yoshida Kogyo K.K. Lockable sliders for zipper-fasteners. 3,270,535, 9–6–66, Cl. 70—68.

Fukushima, Fumiaki, to E. Ikeda. Apparatus for emulsifying bitumen and the like. 3,236,503, 2–22–66, Cl. 259—8.

Fukushima, Osamu, and K. Matsubayashi, to Kurashiki Rayon Co., Ltd. Stable emulsions of vinyl polymers and process of producing same. 3,251,795, 5–17–66, Cl. 260—29.6.

Fukushima, Yoshiaki. Reed organ. 3,254,553, 6–7–66, Cl. 84—365.

Fukutake, Katsuhiro: *See*—
Kato, Katsuji, Fukutake, Takei, and Koyama. 3,279,-991.

Fukutani, Hideo: *See*—
Nakano, Sonji, Iwasaki, and Fukutani. 3,260,698.

Fulcher, James R., and A. G. Hopper, to Vickers-Armstrongs Shipbuilders Ltd. Method and apparatus for cargo handling. 3,291,324, 12–13–66, Cl. 214—15.

Fulcrum Aktiebolag: *See*—
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Fulde, Roland C., to Swift & Co. Beta-carotene production and composition therefor. 3,291,701, 12–13–66, Cl. 195—28.

Fuldner, Herbert M.: *See*—
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Fulford Mfg. Co.: *See*—
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Fulkerson, William H., to Norton Co. Printing. 3,262,235, 7–26–66, Cl. 51—400.

Fulks, Ira A. Holdup-proof booth. 3,286,664, 11–22–66, Cl. 109—7.

Fullbrook, Allan G., to Dominion Paper Box Co. Ltd. Method and apparatus for filling and sealing holders for tokens, coins or the like. 3,271,923, 9–13–66, Cl. 53—33.

Fullen, Thomas V.: *See*—
Wegry, Stanley P., and Brighton. 3,245,068.

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Fuller, Boyd, to North American Philips Co., Inc. Method of manufacturing thermoelectric device. 3,279,036, 10–18–66, Cl. 29—155.5.

Fuller, Calvin S., to Bell Telephone Laboratories, Inc. Method for etching crystals of group III(a)–V(a) compounds and etchant used therefor. 3,262,825, 7–26–66, Cl. 156—17.

Fuller, Clyde H.: *See*—
Fuller, Oliver C. 3,285,304.

Fuller, Clyde R.: *See*—
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Gustafson, Hilding B. 3,247,105.
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Sayre, Howard S. 3,253,864.
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Fuller, David L. Wide angle objective having non-spherical surfaces. 3,251,266, 5–17–66, Cl. 88—57.

Fuller, Dennis Q., and K. A. Russell, to Pye Ltd. Signal distribution systems. 3,244,809, 4–5–66, Cl. 178—6.

Fuller, Donald W., to Beckman Instruments, Inc. Proportional clock and control circuit for converters. 3,245,072, 4–5–66, Cl. 340—347.

Fuller, Forney, Jr. Fusible plug flame detection system. 3,274,579, 9–20–66, Cl. 340—227.

Fuller, George A., Jr., and R. D. Tucker, to United Shoe Machinery Corp. Coating apparatus. 3,286,683, 11–22–66, Cl. 118—2.

Fuller, Glenn, and F. J. Watson, to Shell Oil Co. Lubricating oil compositions. 3,232,882, 2–1–66, Cl. 252—32.7.

Fuller, Glenn, and B. M. Henderson, to Shell Oil Co. Lubricating composition. 3,243,371, 3–29–66, Cl. 252—46.7.

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Fuller, Glenwood A., to AMP Inc. Pin and socket connector assembly. 3,286,671, 11–22–66, Cl. 113—119.

Fuller, Glenwood A., R. Ullman, and R. R. Potter, to AMP Inc. Sheet member for conforming component leads to printed circuit board holes. 3,235,845, 2–15–66, Cl. 29—183.5.

Fuller, Glenwood A., and C. F. Vieser, to AMP Inc. Connecting device. 3,249,908, 5–3–66, Cl. 339—98.

Fuller, Glenwood A., and K. L. Whitmoyer, to AMP Inc. Electrical connector having a resilient conductor-engaging area. 3,288,914, 11–29–66, Cl. 174—84.

Fuller, Harrison W., to Laboratory for Electronics, Inc. Binary readout of a magnetic tape utilizing the deflection of an electron passing therethrough. 3,247,495, 4–19–66, Cl. 340—174.

Fuller, John R. D.: *See*—
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Fuller, John R. D., to Bristol Siddeley Engines Ltd. Variable area nozzles. 3,271,948, 9–13–66, Cl. 60—35.55.

Fuller, Judson E., to The Harrington & King Perforating Co. Multiple step perforating of sheet metal. 3,282,166, 2–1–66, Cl. 83—39.

Fuller, Lyle E., to Union Carbide Corp. Zirconia-boron ablation coating. 3,231,416, 1–25–66, Cl. 117—105.2.

Fuller, Lyle E., to Union Carbide Corp. Zircon-boron ablation coating. 3,231,417, 1–25–66, Cl. 117—105.2.

Fuller, Mack F., to E. I. du Pont de Nemours and Co. Mixed fast and slow cocatalysts for polymerizing and foaming caprolactam. 3,234,152, 2–8–66, Cl. 260—2.5.

Fuller, Mack F., to E. I. du Pont de Nemours and Co. Process for making foamed polycaprolactam. 3,236,789, 2–22–66, Cl. 260—2.5.

Fuller, Marvin A., to Whirlpool Corp. Container movermeans for semi-trailer platforms. 3,241,859, 3–22–66, Cl. 280—423.

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Fuller, Oliver C., to C. H. Fuller. Log splitting and cutting machine. 3,285,804, 11–15–66, Cl. 144—193.

Fuller, Peirce: *See*—
Matheson, Stuart B. 3,229,816.

Fuller Pharmaceutical Co.: *See*—
Fansler, John B. 3,247,846.

Fuller, Revilo, to Fullerform Continuous Pipe Corp. Clean-out device for continuous concrete pipe laying machine. 3,252,198, 5–24–66, Cl. 25—32.

Fuller, Richard H., and R. N. Mellott, to The Bunker Ramo Corp. Content addressable memory apparatus. 3,290,659, 12–6–66, Cl. 340—172.5.

Fuller, Robert A., F. E. Dorsey, and C. W. Kulig, to Emhart Corp. Glassware annealing lehr. 3,259,481, 7–5–66, Cl. 65—350.

Fuller, Stanley E.: *See*—
Little, John M., Bowden, Roeck, Spencer, Fuller, Rosenberg, Meeker, Greenen, and Bevington. 3,277,511.

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Fullerton, John R., and L. E. Leech, to The Ryan Aeronautical Co. Welding apparatus with magnetic wire feed. 3,227,-852, 1–4–66, Cl. 219—130.

Fullerton, Wallace W., to Vilter Mfg. Corp. Normally continuously operating compressor with controls therefor. 3,261,175, 7–19–66, Cl. 62—197.

Fullhart, Lawrence, Jr., to E. I. du Pont de Nemours and Co. Method and apparatus for maintaining a constant boiling liquid level in vapor solvent degreasing operation. 3,238,-065, 3–1–66, Cl. 134—11.

Fullhart, Lawrence, Jr., to E. I. du Pont de Nemours and Co. Chlorinated hydrocarbons stabilized with certain polycyano compounds. 3,277,193, 10–4–66, Cl. 260—652.5.

Fullhart, Lawrence, Jr., and D. A. Swalheim, to E. I. du Pont de Nemours and Co. Stabilization of chlorohydrocarbons in phosphoric acid coating baths. 3,228,806, 1–11–66, Cl. 148—6.15.

Fullhart, Lawrence, Jr., and D. A. Swalheim, to E. I. du Pont de Nemours and Co. Metal phosphatizing composition and process. 3,247,027, 4–19–66, Cl. 148—6.15.

Fullhart, Lawrence, Jr., and D. A. Swalheim, to E. I. du Pont De Nemours and Co. Stabilized chlorohydrocarbon solvent composition. 3,257,326, 6–21–66, Cl. 252—171.

Fullhart, Lawrence, Jr., and D. A. Swalheim, to E. I. du Pont de Nemours and Co. Adduct of p-quinone and phosphoric acid. 3,277,120, 10–4–66, Cl. 260—396.

Fullman, James E., to Water Service Laboratories Inc. Feeding devices for liquids. 3,235,136, 2–15–66, Cl. 222—250.

Fulmer, George M., and R. G. Bivins, to Gichner Mobile Systems Inc. Hydraulically operated demountable running gear. 3,243,193, 3–29–66, Cl. 280—35.

Fulmer, James D.: *See*—
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Le Van, Ambrose E., and Fulmer. 3,238,487.

Fulmer, Richard W., and D. E. Peerman, to General Mills, Inc. Partially cured epoxy resins. 3,265,664, 8–9–66, Cl. 260—47.

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Fulop, Charles. Fastener retaining and positioning muzzle for piston driven fastener inserting guns. 3,250,451, 5–10–66, Cl. 227—149.

Fuls, Jack M. Wall holder for spray dispenser. 3,269,610, 8–30–66, Cl. 222—183.

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Fulton, Bertram A., to Arthur D. Little, Inc. One-way clutch. 3,235,046, 2–15–66, Cl. 192—45.1.

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Fulton, Joseph W., Jr., and F. R. Greenan; said Greenan, assignor to said Fulton. Automatic feeder system. 3,266,-462, 8–16–66, Cl. 119—51.11.

Fulton, Loyd R. Dump body accessory for pick-up truck. 3,237,989, 3–1–66, Cl. 298—19.

Fulton, Mervin E., and G. I. Bahnsen; said Fulton assor. to said Bahnsen. Camera assembly. 3,228,283, 1–11–66, Cl. 88—24.

Fulton, Thomas K.: *See*—
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Fulton, William H. Bag holder waste basket. 3,288,325, 11–29–66, Cl. 220—65.

Fulton, William L., to Standard Kollsman Industries, Inc. Fine tuning drive which clutches automatically on slight turning of vernier knob and declutches automatically on excessive turning. 3,248,674, 4–26–66, Cl. 334—51.

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Fults, Russell E.: *See*—
Trogdon, Thomas, and Fults. 3,287,748.

Fults, Russell E., T. Trogdon, and A. L. Freelander, to Dayco Corp. Porous air cooled cushioning member. 3,242,511, 3–29–66, Cl. 5—348.

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Funakoshi, Toyomatsu. Portable cooler including holdover means. 3,280,586, 10–25–66, Cl. 62—371.

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Funck, Dennis L.: *See*—
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Funck, Dennis L., to E. I. du Pont de Nemours and Co. Foam coated paper substrate and process of making same. 3,276,-900, 10–4–66, Cl. 117—93.1.

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Funk, Benjamin W. Process of treating spent rolling oil solution with spent pickling solution. 3,243,446, 3–29–66, 260—412.5.

Funk, Charles F. Method of cladding metal surfaces. 3,264,-696, 8–9–66, Cl. 22—203.

Funk, Charles W., and H. R. Ward, to Sperry Rand Corp. Power transmission. 3,289,605, 12–6–66, Cl. 103—162.

Funk, Howard C., to Funk Mfg., Co. Control assembly for motor and reversing clutches. 3,228,504, 1–11–66, Cl. 192—.098.

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Funk, Richard P. Tractor-trailer load transferring device. 3,227,470, 1–4–66, Cl. 280—405.

Funk, Roger L., to General Electric Co. Portable phonograph. 3,268,229, 8–23–66, Cl. 274—1.

Funk, Welker W., and H. M. Meinert, to Deere & Co. Spraying machine. 3,246,846, 4–19–66, Cl. 239—78.

Funk, Welker W., and H. M. Meinert, to Deere & Co. Method of spraying agricultural chemicals. 3,261,551, 7–19–66, Cl. 239—8.

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Funyak, Steve J. and R. F. Convertible ski. 3,269,742, 8–30–66, Cl. 280—11.13.

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Fuqua, Lloyd T., to General Motors Corp. Turn signal cancelling cam. 3,254,169, 5–31–66, Cl. 200—61.34.

Fuqua, Norman L., to Westinghouse Electric Corp. Dispensing apparatus. 3,262,328, 7–26–66, Cl. 74—55.

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Furchtbar, Willi. Optical advertisement device simulating a filled container. 3,286,384, 11–22–66, Cl. 40—106.52.

Furendal, Allan R. B., O. A. Magnusson, and J. O. U. Rosberg, to Aktiebolaget Bofors. Method of producing emulsion polymers. 3,251,816, 5–17–66, Cl. 260—86.1.

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Furey, Michael J., to Esso Research and Engineering Co. Hydrocarbon compositions containing anti-wear additives. 3,281,358, 10–25–66, Cl. 252—34.

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Furlong, Robert J., to International Business Machines Corp. Asynchronous data processing system. 3,249,924, 5–3–66, Cl. 340—172.5.

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Furniss, William E., and W. L. Metz, to Westinghouse Electric Corp. Supervisory control and telemetering system. 3,268,869, 8–23–66, Cl. 340—163.

Furrer, Ferdinand, to J. Villars. Device for loosening a vehicle tyre from its rim. 3,256,923, 6–21–66, Cl. 157—1.17.

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Fürst, Stefan, to W. Reiners. Automatic yarn-winding machine. 3,265,316, 8–9–66, Cl. 242—35.6.

Furst, Stefan, to W. Reiners. Method and apparatus for supplying yarn coils to a multi-station yarn-package winding machine. 3,279,712, 10–18–66, Cl. 242—35.5.

Furst, Stefan, to W. Reiners. Device for winding yarn packages. 3,279,713, 10–18–66, Cl. 242—18.

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Fusco, Raffaello, G. Rossi, P. de Pietri Tonelli, and A. Barontini, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Thiophosphoric esters. 3,284,546, 11–8–66, Cl. 260—941.

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Fuss, Peter S., to Bell Telephone Laboratories, Inc. Digital time compressor with self-biased threshold. 3,289,014, 11–29–66, Cl. 307—88.5.

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Corn, Charles V. 3,234,588.
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Gale, Manfred. Passive perimeter intrusion detection system. 3,264,646, 8–2–66, Cl. 343—100.

Gale, Margaret: *See*—
Gale, Reginald L., MacDonald, McFeely, M. Gale, and Muecke. 3,232,000.

Gale, Marvin E., and M. J. Del Monaco, to General Electric Co. Dielectric testing apparatus including a movable table following a predetermined path. 3,247,454, 4–19–66, Cl. 324—54.

Gale, Reginald L., J. I. MacDonald, C. J. McFeely, M. Gale, and K. H. Muecke. Lobster pot. 3,232,000, 2–1–66, Cl. 43—100.

Gale, Richard H., and C. E. Burg, to Combustion Engineering, Inc. Nuclear reactor control rod having particulate core. 3,234,104, 2–8–66, Cl. 176—86.

Gale, William A., and W. T. Reburn, to American Potash & Chemical Corp. Preparation of ammonium perchlorate. 3,288,560, 11–29–66, Cl. 23—85.

Galen Enterprises, Inc.: *See*—
Velonis, Stamatis G., Schnitzer, and Richardson. 3,255,-492.

Galena, Louis. Window sash latch. 3,288,509, 11–29–66, Cl. 292—238.

Galer, Merrill F., and M. N. Stiles, to Time Inc. Trailing-blade coater including fluid seal. 3,273,536, 9–20–66, Cl. 118—413.

Galer, Richard E., L. A. Wallace, V. G. Niehuhr, and P. W. Reinecke, to Huron Portland Cement Co. Method and apparatus for blending pulverulent material. 3,236,504, 2–22–66, Cl. 259—147.

Galesburg Mfg. Co., Inc.: *See*—
Hendrick, William E. 3,293,953.

Galey, William F., J. A. Gulotta, and F. K. Umbel, to Pittsburgh Plate Glass Co. Length and area partitioning methods and apparatus. 3,246,550, 4–19–66, Cl. 83—56.

Galey, William F., and G. W. Misson, to Pittsburgh Plate Glass Co. Multiple punching mechanism for paper tape. 3,285,509, 11–15–66, Cl. 234—115.

Galiano, Francis R.: *See*—
Mantell, Gerald J., Rankin, and Galiano. 3,271,377.
Rankin, David, Mantell, and Galiano. 3,267,084.

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Huntington, Fred R. 3,252,328.
Huntington, Fred R. 3,279,260.

Galin, Leo L., to Omnitronic Corp. Fail-safe control system. 3,252,141, 5–17–66, Cl. 340—164.

Galin, Miles A., to Miles Laboratories, Inc. Blepharitis composition comprising antiseptic, quaternary ammonium compound, keratolytic agent and a chelating compound. 3,236,730, 2–22–66, Cl. 167—59.

Galin, Miles A., to Theratronic Corp. of America. Dog collar with retractable leash. 3,250,253, 5–10–66, Cl. 119—109.

Galin, Robert, to General Motors Corp. Domestic appliance. 3,268,082, 8–23–66, Cl. 210—364.

Galinke, Joachim: *See*—
Studt, Peter, Zoebelein, and Galinke. 3,244,640.

Galinos, Evangelos G.: *See*—
Le Blanc, Edward V., and Galinos. 3,286,847.

Galis, Alex J., and S. A. Muldovan, to Galis Mfg. Co. Mining machine. 3,288,536, 11–29–66, Cl. 299—64.

Galis Mfg. Co.: *See*—
Galis, Alex J., and Muldovan. 3,288,536.
Pyles, Harley G. 3,252,525.

Gall, Kurt. Method of and apparatus for processing photographic materials. 3,280,716, 10–25–66, Cl. 95—89.

Gall, Rudi: *See*—
Haack, Erich, Gall, 'Heerdt, Achelis, and Schmidt. 3,277,164.

Gall, Walter G., to E. I. du Pont de Nemours and Co. Process for preparing finely divided polyimide particles of high surface area. 3,249,588, 5–3–66, Cl. 260—47.

Gall, Walter G., to E. I. du Pont de Nemours and Co. Copolymeric polyamide-acids and polyamides. 3,264,250, 8–2–66, Cl. 260—32.6.

Galla, Joseph J., and P. J. Williams, to Stewart-Warner Corp. Chair construction. 3,285,639, 11–15–66, Cl. 287—53.

Gallacher, Barnard G. Railroad car retarder system. 3,234,-378, 2–8–66, Cl. 246—182.

Gallagher, Bernard J.: *See*—
Callahan, Francis J., Jr., and Gallagher. 3,240,230.
Callahan, Francis J., Jr., and Gallagher. 3,240,342.
Callahan, Francis J., Jr., and Gallagher. 3,240,346.
Callahan, Francis J., Jr., and Gallagher. 3,278,156.
Callahan, Francis J., Jr., and Gallagher. 3,280,836.

Gallagher Bernard J., and J. Tasker, to Nuclear Products Co. Adjustable inline relief valve. 3,255,774, 6–14–66, Cl. 137—516.29.

Gallagher, Brian M.: *See*—
Laskey, Richard R., and Gallagher. 3,257,069.

Gallagher, Donald G. Cover for the interior of an automobile. 3,276,512, 10–4–66, Cl. 160—368.

Gallagher, Edward L.: *See*—
Wright, John W., Gallagher, and Thienes. 3,259,316.

Gallagher, George A.: *See*—
Albin, Jerry R., and Gallagher. 3,235,537.

Gallagher, George A., to E. I. du Pont de Nemours and Co. Product and method of adhering α-olefin copolymers to fabric by sulfochlorinated polymers and phenolaldehyde resins. 3,276,948, 10–4–66, Cl. 161—227.

Gallagher, Gerald T., and H. N. Tobler, to FMC Corp. Wool treatment. 3,250,587, 5–10–66, Cl. 8—107.

Gallagher, Gerard J. Means for discharging concrete and the like from transport vehicles. 3,259,261, 7–5–66, Cl. 214—503.

Gallagher, James A.: *See*—
Betts, Joseph L., Jr., and Gallagher. 3,228,783.

Gallagher, James J., and John J. Gallagher. Multiple current-carrying capacity fuse and adaptor. 3,257,525, 6–21–66, Cl. 200—119.

Gallagher, John. Method of producing an emulsifiable gel. 3,261,705, 7–19–66, Cl. 106—212.

Gallagher, John E., O. N. Crider, and B. McCulloch, to Slick Industrial Co. Methods of making shades. 3,274,676, 9–27–66, Cl. 29—400.

Gallagher, John J.: *See*—
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Gallagher, Joseph M.: *See*—
Goff, Theodore L., Gallagher, and Halsman. 3,290,784.

Gallagher, Nicholas D.: *See*—
Neher, Maynard B., and Gallagher. 3,291,557.

Gallagher, Norman, to Benrus Watch Co., Inc. Film processor-viewer. 3,237,541. 3–1–66, Cl. 95—12.

Gallagher, Patrick K., and J. B. MacChesney, to Bell Telephone Laboratories, Inc. Method for preparing stabilized barium titanate, and capacitor. 3,292,062, 12–13–66, Cl. 317—258.

Gallagher, Paul: *See*—
Pannill, James K., Jr., and Gallagher. 3,254,373.

Gallagher, Terence J., and J. Siner, Jr., to Chicago Aerial Industries Inc. Process for manufacturing fiber optic devices. 3,282,666, 11–1–66, Cl. 65—4.

Gallagher, William P., and R. J. Dykinga, to International Register Co. Electric motor construction. 3,261,999, 7–19–66, Cl. 310—164.

Gallagher, William R. Sewage disposal system. 3,272,338, 9–13–66, Cl. 210—177.

Gallaher, Herman C. and J. J., to Positive Flight Control, Inc. Control positions indicator for use with gyro instruments. 3,228,631, 1–11–66, Cl. 244—75.

Gallaher, John J.: *See*—
Gallaher, Herman C. and J. J. 3,228,631.

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Galland-Henning Mfg. Co.: *See*—
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Galland, Raymond H., to Klemer and Wiseman. Drapery hanger. 3,261,052, 7–19–66, Cl. 16—87.6.

Gallant, Edward, and W. Lang. Ornamental device. 3,244,-870, 4–5–66, Cl. 240—10.

Gallant, George A., and C. N. White, to United States of America, Navy. Transistor A.C. gate circuit. 3,289,013, 11–29–66, Cl. 307—88.5.

Gallapoo, Warren H., to The Dow Chemical Co. Coil tongs. 3,287,057, 11–22–66, Cl. 294—81.

Gallaro, Anthony V., and J. J. Miller, to Sylvania Electric Products Inc. Electron discharge device with current surge attenuating resistance. 3,295,008, 12–27–66, Cl. 315—3.

Gallas, William, to United States of America, Army. Conductive coating. 3,249,559, 5–3–66, Cl. 252—510.

Gallaway, Bob M.: *See*—
Jimenez, Rudolf A., and Gallaway. 3,291,628.

Gallear, Darrell C.: *See*—
Solari, Joseph, and Gallear. 3,286,772.
Solari, Joseph C., and Gallear. 3,240,273.
Solari, Joseph C., and Gallear. 3,252,519.

Galleher, Louis C., to E. F. Fleming, Jr., and R. Anderson, Jr. Power transmission. 3,266,330, 8–16–66, Cl. 74—230.17.

Gallet, Georges L., to Compagnie Francaise Thomson-Houston. Metallized ceramic members. 3,265,473, 8–9–66, Cl. 29—195.

Galletti, John B., Jr.: *See*—
Carroll, Joseph J., Galletti, and O'Kelly. 3,293,963.

Galley, Jerome A., to Inter-City Mfg. Co., Inc. Snap ring for loose-leaf binder. 3,236,242, 2–22–66, Cl. 129—1.

Galley, Joyce. Contractible garment. 3,230,545, 1–25–66, Cl. 2—74.

Galli, Donna J., ½ to B. Bernardi. Can hanger shelf. 3,286,848, 11–22–66, Cl. 211—71.

Galli, Guido: *See*—
Sunners, Brian, Mones, and Galli. 3,238,062.

Galli, Joseph R., and G. I. Wheeler, to The Boeing Co. Plasma propulsion method and means. 3,293,852, 12–27–66, Cl. 60—202.

Gallina, Harold, to Elco Corp. Audio-visual reproduction device. 3,252,872, 5–24–66, Cl. 88—28.

Gallinella, Enzo: *See*—
Ragazzini, Mario, Gallinella, and Borsini. 3,294,770.

Gallino, Robert, to Lowe Paper Co. Coating device. 3,237,-277, 3–1–66, Cl. 29—121.

Gallino, Robert, to Lowe Paper Co. Electrostatic cleaning method and apparatus. 3,245,835, 4–12–66, Cl. 134—1.

Gallmeyer, David M., and J. D'Amore, to Wise Machine Co. Modular continuous strip scrubber machine. 3,245,102, 4–12–66, Cl. 15—77.

Gallo, John, Sr. Tubular saw cutter with chip removal means. 3,265,104, 8–9–66, Cl. 145—130.

Gallo, Joseph E. Method and apparatus for harvesting grapes. 3,233,396, 2–8–66, Cl. 56—328.

Gallone, Cesare. High vacuum tight rotary valve. 3,292,652, 12–20–66, Cl. 137—246.

Gallovich, Matilda L. Anti-chafing device and method. 3,260,261, 7–12–66, Cl. 128—149.

Galloway, Frederick M., and R. H. Sinnamon, to H. K. Porter Co., Inc. Method of making reinforced hose. 3,284,259, 11–8–66, Cl. 156—149.

Galloway, George W., and E. L. Nooker, to United States of America, Navy. Semi-automatic fixture for use in welding banks of zigzag connected bars to end rings. 3,242,561, 3–29–66, Cl. 29—252.

Galloway, George W., and E. L. Nooker, to United States of America, Navy. Apparatus and method for assembling a missile warhead. 3,248,790, 5–3–66, Cl. 29—471.1.

Galloway, Richard T., to United States of America, Navy. Navigation of marked channels. 3,267,417, 8–16–66, Cl. 340—3.

Galloway, Richard T., to United States of America, Navy. Bearing indicating radio beacon. 3,267,473, 8–16–66, Cl. 343—106.

Gallucci, Francis: *See*—
Foldessy, Justin E., and Gallucci. 3,266,104.

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Eagle, Charles E., Gallup, and Mills. 3,279,976.

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Ross, John W., Boynton, and Gallus. 3,235,182.

Galmiche, Philippe. Methods of brazing metallic pieces together. 3,246,395, 4–19–66, Cl. 29—494.

Galmiche, Philippe, to Office National d'Etudes et de Recherches Aerospatiales, called O.N.E.R.A. Heat treatment of metals. 3,276,903, 10–4–66, Cl. 117—107.2.

Galpin, Robert K. P., to Associated Electrical Industries, Ltd. Circuit for sideboard microwave generator or receiver. 3,245,007, 4–5–66, Cl. 332—51.

Galstian, Babgen: *See*—
Mack, Bernard, and Galstian. 3,239,607.

Galt, John K., to Bell Telephone Laboratories, Inc. Memory element. 3,248,712, 4–26–66, Cl. 340—173.1.

Galus, Stanley A.: *See*—
Camras, Marvin, and Galus. 3,254,858.
Camras, Marvin, and Galus. 3,278,132.

Galuska, Charles W., 50% to L. Edwards. Pressure vacuum turbine. 3,236,050, 2–22–66, Cl. 60—60.

Galuzet, Marc, to Rhone-Poulenc S.A. Manufacture of polyvinyl alcohol granules. 3,247,292, 4–19–66, Cl. 264—13.

Galvarplast S.N.C.: *See*—
Bossi, Giovanni, and Pasqualini. 3,262,420.

Galvin, Paul, and A. Perron, to Pechiney Compagnie de Produits Chimiques et Electrometallurgiques. Process and apparatus for the production of metallic products with very low carbon content. 3,244,508, 4–5–66, Cl. 75—10.

Gamache, Ernest A., to Worthington Corp. Multi-zone refrigeration system and apparatus. 3,226,949, 1–4–66, Cl. 62—510.

Gamba, Augusto, to Philco Corp. Pattern recognition system utilizing random masks. 3,255,436, 6–7–66, Cl. 340—146.3.

Gambale, John C., to Westinghouse Electric Corp. Protective relaying devices. 3,248,609, 4–26–66, Cl. 312—23.

Gamberini, Goffredo, to American Machine & Foundry Co. Pneumatic separator in tobacco feed. 3,232,297, 2–1–66, Cl. 131—109.

Gamberini, Goffredo, to American Machine & Foundry Co. Apparatus for rotating rod shaped objects about their transverse axes. 3,235,060, 2–15–66, Cl. 198—33.

Gamberini, Goffredo, to American Machine & Foundry Co. Cigarette maker. 3,255,764, 6–14–66, Cl. 131—110.

Gamberini, Goffredo, to American Machine & Foundry Co. Tobacco feed for automatic cigarette maker. 3,262,457, 7–26–66, Cl. 131—109.

Gamberini, Goffredo. Supply roll brake. 3,275,259, 9–27–66, Cl. 242—75.44.

Gamberini, Goffredo, to American Machine & Foundry Co. Cigarette weight controller. 3,277,897, 10–11–66, Cl. 131—22.

Gambill, Charles C., to General Motors Corp. Electrical apparatus employing four-layer diode and thermistor. 3,293,-455, 12–20–66, Cl. 307—88.5.

Gambin S.A., Societe Anonyme dite: *See*—
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Gamble, Charles W.: *See*—
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Gamble, John G., ½ to Elton Industries, Inc. Electronic analyzer using paramagnetic properties of the gas to control electron flow. 3,234,456, 2–8–66, Cl. 324—36.

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Gamble, Slade B.: *See*—
Marland, Joseph A., and Gamble. 3,254,778.

Gamboa, Ernesto V. Mop rinsing machine. 3,277,908, 10–11–66, Cl. 134—164.

Gambon, James M.: *See*—
Gambon, John M. and J. A. 3,279,528.

Gambon, John A.: *See*—
Gambon, John M. and J. A. 3,279,528.

Gambon, John M. and J. A., ½ to T. F. Gambon and ½ to J. M. Gambon. Shade. 3,279,528, 10–18–66, Cl. 160—274.

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Gamboni, Guido: *See*—
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Gambs, Paul F. M. Ophthalometer having a focal lens system. 3,290,927, 12–13–66, Cl. 73—80.

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Game-Time, Inc.: *See*—
Wormser, Robert S., and Hill. 3,292,924.

Gamel, Norvel F.: *See*—
Schneider, Harold F., and Gamel. 3,291,612.

Gamertsfelder, George R.: *See*—
Belchis, Samuel, and Gamertsfelder. 3,288,018.
Flower, Robert A., Gamertsfelder, Rolfs, and Toman. 3,235,865.

Games, Abraham, to Imagic Ltd. Method and apparatus for developing latent images. 3,265,522, 8–9–66, Cl. 117—25.

Games, Abraham, to Imagic Ltd. Copy apparatus with means to apply a vaporizing agent to the original prior to exposure to infrared radiation adjacent a copy sheet. 3,265,891, 8–9–66, Cl. 250—65.

Games, Marsh L. Flushbolt jig cutter. 3,244,205, 4–5–66, Cl. 144—3.

Games, Robert F., to The Dana Corp. Piston ring assembly. 3,261,612, 7–19–66, Cl. 277—140.

Gamma Scientific, Inc.: *See*—
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Gammel, Josef, to Siemens & Halske Aktiengesellschaft. Input stage for ultra high frequency amplifiers. 3,227,962, 1–4–66, Cl. 330—150.

Gammel, Walter A., Sr., to G. T. Schjeldahl Co. Electrical connector for printed-circuit board. 3,262,082, 7–19–66, Cl. 339—17.

Gammel, Walter A., Sr., to G. T. Schjeldahl Co. Multi-prong electrical connector. 3,264,597, 8–2–66, Cl. 339—17.

Gammon, Edwin F.: *See*—
Hurst, John S., Pfeiler, Sanders, and Gammon. 3,277,-301.

Gamrath, Harry R., and L. O. Raether, to Monsanto Co. Cis-trans isomerization of unsaturated fatty acids and their glycerides. 3,231,591, 1–25–66, Cl. 260—405.6.

Gams, Erwin: *See*—
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Ganatsiou, Thomas J. Coin separator. 3,277,903, 10–11–66, Cl. 133—3.

Gancel, Pierre: *See*—
Elberg, Max, and Gancel. 3,265,160.

Gancel, Pierre, to D.B.A., Societe Anonyme. Automatic adjusting and kickback device. 3,240,296, 3–15–66, Cl. 188—196.

Gancel, Pierre, to Societe Anonyme D.B.A. Disc brake. 3,255,847, 6–14–66, Cl. 188—72.

Gancel, Pierre, to Societe Anonyme D.B.A. Disc brakes. 3,279,564, 10–18–66, Cl. 188—73.

Gancher, Edward: *See*—
Dehn, Joseph W., Jr., Gancher, Kuhefuss, and Resnick. 3,274,173.
Pappas, James J., and Gancher. 3,274,228.

Ganci, Charles J., to Ward Leonard Electric Co. Metal alloy resistors. 3,248,679, 4–26–66, Cl. 338—264.

Ganci, Charles J., to Ward Leonard Electric Co. Resistor. 3,248,680, 4–26–66, Cl. 338—266.

Ganci, Charles J., to Ward Leonard Electric Co. Method of manufacturing electrical resistors. 3,286,327, 11–22–66, Cl. 29—155.68.

Gancy, Alan B.: *See*—
Comer, Harold J., and Gancy. 3,245,755.

Gancy, Alan B., to FMC Corp. Novel sodium carbonate-sodium bicarbonate compositions. 3,235,329, 2–15–66, Cl. 23—63.

Gandee, Irvine E.: *See*—
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Gandhi, Om P., to Philco Corp. Frequency changer employing a moving sonic-energy-reflecting boundary in a semiconductor medium. 3,254,231, 5–31–66, Cl. 307—88.5.

Gandhi, Om P., to Philco Corp. Frequency shifter using doppler reflection of microwaves from moving plasma boundary in semiconductor. 3,261,982, 7–19–66, Cl. 307—88.3.

Gandier, John C. C., to American Home Products Corp. System for collecting urine from pregnant mares. 3,270,-714, 9–6–66, Cl. 119—95.

Gandillon, Claude: *See*—
Castan, Pierre, and Gandillon. 3,281,494.

Gandolfi, Carmelo: *See*—
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De Ruggieri, Pietro, Gandolfi, and Guzzi. 3,268,509.

Gandon, Louis, to Nobel-Bozel. Permanent finishes for cellulosic articles. 3,276,885, 10–4–66, Cl. 106—205.

Gandon, Louis, to Nobel-Bozel. Method for the preparation of stable and pure glyoxylic acid. 3,281,460, 10–25–66, Cl. 260—530.

Gandy, Gary R. Differential pressure adapter for automatic cycle well control. 3,266,574, 8–16–66, Cl. 166—53.

Gandy, Wesley T., to Fairchild Hiller Corp. Lubricated hub and bearing assembly for a rotary wing aircraft. 3,237,698, 3–1–66, Cl. 170—160.23.

Gang, Herman, to Monroe International Corp. Normalizing means for calculating machines. 3,263,917, 8–2–66, Cl. 235—60.41.

Gang, Herman, and C. A. Parker, to Monroe International Corp. Readout apparatus. 3,233,080, 2–1–66, Cl. 235—61.9.

Gang, Robert E., to Varian Associates. Apparatus for improving the uniformity of magnetic fields. 3,287,630, 11–22–66, Cl. 324—.5.

Gange, Robert A., to Radio Corp. of America. Cryoelectric inductive switching circuits. 3,238,378, 3–1–66, Cl. 307—88.5.

Gange, Robert A., to Radio Corp. of America. Cryoelectric logic circuits. 3,264,490, 8–2–66, Cl. 307—88.5.

Ganglberger, Friedrich: *See*—
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Gani, Robert: *See*—
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Ganiaris, Neophytos, to Struthers Scientific and International Corp. Freeze concentration. 3,283,522, 11–8–66, Cl. 62—58.

Ganley, Gregory J., to Honeywell Inc. Friction coupling and brake control apparatus. 3,275,109, 9–27–66, Cl. 192—7.

Ganley, Gregory J., and J. R. Nelson, to Honeywell, Inc. Matter management systems. 3,242,058, 3–22–66, Cl. 202—176.

Gann-Apparate- und Maschinenbau, G.m.b.H.: *See*—
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Comstock, Russell E., and Gannaway. 3,288,357.

Gannett, Wright K.: *See*—
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Gans, Eugene H., and H. L. Newmark, to Hoffmann-La Roche Inc. Pharmaceutical diluent compositions. 3,228,834, 1–11–66, Cl. 167—58.

Gans, Jerome A. Automatic self-recording visual field tester. 3,288,546, 11–29–66, Cl. 351—24.

Gans, Manfred, R. S. Davis, and E. C. Su, to Halcon International, Inc. Control scheme for polyethylene reactor. 3,294,773, 12–27–66, Cl. 260—94.9.

Ganser, Paul: *See*—
Flower, Achibald T., Ganser, and Buchanan. 3,258,512.
Flower, Archibald T., Ganser, and Buchanan 3,267,503.

Gansewer, Horst: *See*—
Brombach, Ernst, and Gansewer. 3,289,517.

Ganswindt, Hartmut, and W. Seiffarth, to Siemens & Halske Aktiengesellschaft. Semi-indirectly heated electron tube cathode. 3,227,912, 1–4–66, Cl. 313—341.

Gansky, Karoly, and T. Kondor, to Villamosipari Kutato Intezet. Transistorized inverter circuit with protection against overload. 3,234,452, 2–8–66, Cl. 321—14.

Gansky, Karoly, and T. Kondor, to Villamosipari Kutato Intézet. High voltage D.C. potential source. 3,249,843, 5–3–66, Cl. 321—15.

Gant, Preston L.: *See*—
Shock, D'Arcy A., Sudbury, and Gant. 3,274,784.

Ganter, Karl-Werner: *See*—
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Ganter, Wolfgang, and G. Glaser, to Gebruder Junghans Aktiengesellschaft. Amplitude stabilized electromechanical oscillator. 3,298,568, 12–20–66, Cl. 331—109.

Ganther, Forrest E.: *See*—
Coburn, Orin W., Suddarth, and Ganther. 3,289,355.

Gantman, Sarra A.: *See*—
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Gantt, Joe B.: *See*—
Parker, Mitchell, McDaniel, and Gantt. 3,269,036.

Gantt, Oliver P. Self-sharpening chipper. 3,266,539, 8–16–66, Cl. 144—176.

Gantz, Walter C., to Chromatic Corp. Writing instrument. 3,266,465, 8–16–66, Cl. 120—42.13.

Gantzer, Charles J.: *See*—
Reynolds, Richard W., Ross, and Gantzer. 3,274,855.

Ganung, Robert B., to National Can Corp. Can with dual closure system. 3,289,881, 12–6–66, Cl. 220—60.

Ganz, Alexander J., to Hercules Inc. Codried liquid egg white-carboxymethyl-cellulose composition, process for the preparation thereof and food mix utilizing same. 3,287,139, 11–22–66, Cl. 99—94.

Ganz, Daniel M., and H. J. Mahler, to Darrol Co., Inc. Bracket and display device. 3,291,077, 12–13–66, Cl. 108—10.

Ganz, Robert H., to Continental Can Co., Inc. Carton. 3,275,218, 9–27–66, Cl. 229—40.

Ganz, William A., deceased, West Englewood, by Peoples Trust Co., executors, to Johnson & Johnson. Tape winding device and method. 3,236,469, 2–22–66, Cl. 242—56.4.

Ganzert, Albert E., to The Pyle-National Co. Interlocking plug and receptacle electrical connector. 3,280,278, 10–18–66, Cl. 200—51.09.

Ganzhorn, Karl, to International Business Machines Corp. Moving record control. 3,248,080, 4–26–66, Cl. 226—33.

Gaon, Bernard N., to North American Aviation, Inc. Lower-value voltage limiter. 3,287,567, 11–22–66, Cl. 307—72.

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Closson, Addison W., Jr., and Gaquin. 3,257,743.

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Garamy, Frank, to Vermont American Corp. Adjustable keyhole saw. 3,259,158, 7–5–66, Cl. 145—108.

Garancsy, Miklos. Building construction. 3,292,329, 12–20–66, Cl. 52—251.

Garapolo, Orlando, to Wilson & Co., Inc. Packaging machine. 3,279,147, 10–18–66, Cl. 53—252.

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Garate, Juan J. C. Ships for transporting liquid cargoes. 3,288,098, 11–29–66, Cl. 114—74.

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Garbarini, Victor C., to Esso Research and Engineering Co. Metallic-base adsorbents for heatless driers. 3,237,378, 3–1–66, Cl. 55—33.

Garbarino, Steven J., Jr., and W. H. Cowles, to Holley Carburetor Co. Foam spray system. 3,232,585, 2–1–66, Cl. 259—4.

Garbe, Lahmeyer & Co., AG.: *See*—
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Garbe, Siegfried, to North American Philips Co., Inc. Getter container. 3,260,356, 7–12–66, Cl. 206—.4.

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Garber, John D., D. Wasserman, and R. A. Gasser, to Merck & Co., Inc. Diisocyanato substituted aliphatic carboxylic acid ester urethane reaction products. 3,281,378, 10–25–66, Cl. 260—2.5.

Garber, John D., and F. M. Meigs, to Merck & Co., Inc. Preparation of linear polypeptides. 3,230,274, 1–18–66, Cl. 260—857.

Garber, Murray, and W. C. Firth, Jr., to American Cyanamid Co. Difluoro dialkyl phosphoranes and method of preparation of difluoro hydrocarbon phosphoranes with tetrafluorohydrazine. 3,268,580, 8–23–66, Cl. 260—543.

Garbett, Donald: *See*—
King, Kenneth G., and Garbett. 3,242,415.

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Garbin, John G., to Pittsburgh Plate Glass Co. Glass sheet bending mold with horizontal support surfaces. 3,265,489, 8–9–66, Cl. 65—291.

Garbini, Leo J., J. B. Mooney, and C. E. Schoder, to Varian Associates. Anisotropic arc-spark emission electrodes. 3,248,592, 4–26–66, Cl. 313—355.

Garbor, Dennis, to Minnesota Mining and Mfg. Co. Ion source utilizing a spherically converging electric field. 3,286,187, 11–15–66, Cl. 328—233.

Garbriel, William F., to Keltec Industries, Inc. Transponder incorporating negative resistance amplifiers and multiport directional couplers. 3,267,462, 8–16–66, Cl. 343—6.8.

Garbutt, John T., and A. M. Hanson, to Grain Processing Corp. Treatment and use of ensymes for the hydrolysis of starch. 3,268,417, 8–23–66, Cl. 195—31.

Garcea, Giampaolo, and F. Surace, to Alfa Romeo S.p.A. Suspension with constant trim and frequency. 3,287,025, 11–22–66, Cl. 280—124.

Garcea, Giampaolo, F. Surace, and R. Ferrante, to Alfa Romeo S.p.A. Arrangement for regulating the trim of suspended automobiles and the like vehicles at a constant level. 3,227,466, 1–4–66, Cl. 280—6.

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Garcia, Felix S., to Phillips Petroleum Co. Plastic bottle container. 3,247,996, 4–26–66, Cl. 220—21.

Garcia, Francois, to Ateliers Savigny. Means of assembling tubular elements. 3,253,846, 5–31–66, Cl. 287—127.

Garcia, Joseph R., and L. A. Harlow, to International Business Machines Corp. Mounting apparatus for electronic devices. 3,254,274, 5–31–66, Cl. 317—234.

Garcia, Leopold E. Acetylene gas generator. 3,243,271, 3–29–66, Cl. 48—53.3.

Garcia, Thomas, C. G. Daus, A. Celestine, and P. D. Bevis, to United States of America, Navy. Extreme environments protective camera enclosure. 3,289,557, 12–6–66, Cl. 95—11.

Garcia Hita, José. Fire extinguisher, particularly for motor cars, which operates automatically. 3,245,473, 4–12–66, Cl. 169—2.

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Gard, Andrew J. Method of purifying aqueous liquid. 3,232,869, 2–1–66, Cl. 210—62.

Gard, Andrew J. Bleaching of wood pulp with a sequestering agent and hydrogen peroxide. 3,251,731, 5–17–66, Cl. 162—71.

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Gardberg, Joseph. Digital positional control system. 3,239,736, 3–8–66, Cl. 318—28.

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Gardel, Robert, and E. Gorsky. Doll having head animating mechanism. 3,230,666, 1–25–66, Cl. 46—119.

Gardel, Robert, and E. Gorsky, to Doll Bottles, Inc. Toy nursing bottle for dolls. 3,245,174, 4–12–66, Cl. 46—1.

Gardel, Robert, and E. Gorsky. Toy spoon. 3,254,409, 6–7–66, Cl. 30—324.

Gardel, Robert, and E. Gorsky. Mechanically actuated doll with articulated legs. 3,287,847, 11–29–66, Cl. 46—118.

Gardella, Ugo, G. Morandi, and A. Omacini, to Soc. Edison-Settore Chimico. Direct and simultaneous production of inorganic alkaline salts, chlorine and cathodic products. 3,278,403, 10–11–66, Cl. 204—91.

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Garden, William B., to Wilson & Garden Ltd. Connecting member for a board for educational purposes and a board incorporating such a member. 3,274,707, 9–27–66, Cl. 35—62.

Gardener, Reginald H., to Northwest Industries Ltd. Thermoplastic welding nozzles. 3,279,971, 10–18–66, Cl. 156—500.

Gardenhire, Lawrence W., and G. Birkel, Jr., to Radiation Inc. Digital transducer. 3,293,633, 12–20–66, Cl. 340—347.

Gardenier, Karl-Josef, to Henkel & Cie G.m.b.H. Novel process for the preparation of inner salts of N-alkane sulfonic acids. 3,255,239, 6–7–66, Cl. 260—501.

Gardes, Alfred W., to International Register Co. Electric timer provided with buzzer construction. 3,262,110, 7–19–66, Cl. 340—392.

Gardes, Alfred W., and E. T. Patrick, to International Register Co. Oven temperature control system. 3,244,841, 4–5–66, Cl. 200—136.3.

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Gardiner, Terence E. G., J. R. D. Fuller, D. E. O'Neill, and P. W. Davis, to Bristol Siddeley Engines Ltd. Jet propulsion power plant. 3,262,264, 7–26–66, Cl. 60—35.6.

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Boomgaard, Peter F. 3,284,011.
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Williams, Raymond F., Anerino, and Allen. 3,291,385.
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Gardner, Donald B., to International Telephone and Telegraph Corp. Pressure relief valve having auxiliary reactor surface. 3,254,668, 6–7–66, Cl. 137—510.

Gardner, Donald P., to Farrel Corp. Alignment and orientation detector for extrusion press dummy block. 3,282,074, 11–1–66, Cl. 72—21.

Gardner, Donald W., to Deering Milliken Research Corp. Method of sewing textile webs together. 3,234,061, 2–8–66, Cl. 156—93.

Gardner, Douglas B., to Beckman Instruments, Inc. Hygrometer. 3,240,693, 3–15–66, Cl. 204—195.

Gardner, Edson F. Throttle control. 3,293,937, 12–27–66, Cl. 74—526.

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Gardner, Edward M., to Merrill Brothers. Screw clamp with a head having a reverse-acting and renewable gripping surface. 3,269,766, 8–30–66, Cl. 294—101.

Gardner, Edwin A., to E. A. Gardner, and S. P. Sturtevant. Mobile fruit tree working vehicle. 3,255,845, 6–14–66, Cl. 182—14.

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Gardner, Floyd M., to United States of America, Air Force. Multivibrator with starting circuit. 3,271,697, 9–6–66, Cl. 331—113.

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Gardner, Gerald H. F., to Gulf Research & Development Co. Method of thermal stimulation of oil fields. 3,285,336, 11–15–66, Cl. 166—2.

Gardner, Harold L. Rolling device. 3,276,337, 10–4–66, Cl. 94—50.

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Gardner, Henry F., and A. Staros, to United States of America, Army. Adjustable alignment coupling for lower extremity prostheses. 3,273,168, 9–20–66, Cl. 3—1.

Gardner, Homer E. Panel structure. 3,239,891, 3–15–66, Cl. 20—19.

Gardner, Irwin J., S. B. Robison, and F. P. Baldwin, to Esso Research and Engineering Co. Phenolic adduct of halogenated butyl rubber. 3,293,323, 12–20–66, Cl. 260—846.

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Gardner, John, and R. A. Wells, to Foseco International Ltd. Dispenser for particulate material. 3,254,799, 6–7–66, Cl. 222—58.

Gardner, Joseph C. Simultaneous multi-mode IFF interrogation system. 3,277,466, 10–4–66, Cl. 343—6.5.

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Gardner, Leland C., Sr., and L. F. Waldrop, Jr. Positioning, supporting and leveling device for floor drains. 3,228,083, 1–11–66, Cl. 24—271.

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Gardner, Marvin B., Jr., to The M. B. Gardner Co., Inc. Heat exchanger. 3,251,401, 5–17–66, Cl. 165—1.

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Gardner, Percy S., Jr., deceased, by C. B. Gardner, executrix. Collector and hoist for aggregates. 3,248,812, 5–3–66, Cl. 37—61.

Gardner, Richard K., to United States of America, Navy. Simultaneous matrix lobing antenna. 3,277,480, 10–4–66, Cl. 343—100.

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Gardner, William J. Inflatable therapeutic device and method of making same. 3,245,405, 4–12–66, Cl. 128—87.

Gardner, William L. Fluid tight sealing of glass fiber devices. 3,279,902, 10–18–66, Cl. 65—4.

Gardon, John L., to Rohm & Haas Co. Method of crease-proofing cellulosic fabrics and fabrics obtained. 3,246,946, 4–19–66, Cl. 8—116.3.

Gardon, Robert, to Pittsburgh Plate Glass Co. Method of annealing of glass ribbon. 3,251,671, 5–17–66, Cl. 65—118.

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Stern, Silviu A., Mohr, and Gareis. 3,246,449.
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Gargini, Eric J., to Communications Patents Ltd. Wired broadcasting systems and apparatus therefor. 3,280,249, 10–18–66, Cl. 178—5.2.
Gargrave, Robert J., to Dayton Perforators, Inc. Three sided thread opening. 3,255,658, 6–14–66, Cl. 85—32.
Gariano, William F., to International Resistance Co. NAND NOR logic circuit for use in a binary comparator. 3,281,607, 10–25–66, Cl. 307—88.5.
Garibotti, Domenick J., to United Aircraft Corp. Electronic subassembly. 3,258,898, 7–5–66, Cl. 29—155.5.
Gariepy, George A., and O. R. Pannell, to United States of America, Army. Magnetically operated mercury switch with improved slidable and rotatable magnetic actuators. 3,270,165, 8–30–66, Cl. 335—54.
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Gates, Charles F., to Mobil Oil Corp. Method of prolonging the usefulness of production wells in thermal-recovery procedures. 3,259,185, 7–5–66, Cl. 166—11.
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Gault, John M., to International Rectifier Corp. Adjustable semiconductor punch-through device having three junctions. 3,264,495, 8-2-66, Cl. 307—88.5.

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Gee, Kenneth H., P. A. Small, and E. L. Zichy, to Imperial Chemical Industries Ltd. Continuous anionic polymerization of lactams. 3,239,490, 3-8-66, Cl. 260—78.

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Gee, Paul Y. C., and H. J. Andress, Jr., to Socony Mobil Oil Co., Inc. Metal salts of citramic acids. 3,262,955, 7-26-66, Cl. 260—429.9.

Gee, Paul Y. C., and H. J. Andress, Jr., to Mobile Oil Corp. Metal salts of succinamic acids in distillate fuel oil. 3,264,075, 8-2-66, Cl. 44—68.

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Claypool, Chester V., Jr. 3,252,039.
Clements, Francis J., and Yartz. 3,288,380.
Coates, Clarence L., Jr., and Lewis. 3,237,111.
Coates, Clarence L., Jr., and Lewis. 3,237,112.
Coates, Clarence L., Jr., and Lewis. 3,275,812.
Coates, Clarence L., Jr., and Lewis. 3,275,849.
Cobine, James D., and Johnston. 3,288,101.
Cockrell, William D. 3,227,936.
Cockrell, William D. 3,242,410.
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Coffin, Louis F., Jr. 3,238,756.
Cogan, Richard M. 3,286,498.
Cogan, Richard M. 3,286,502.
Cohn, Hans. 3,246,212.
Cohn, Hans. 3,270,254.
Cole, Donald L. 3,292,523.
Cole, Donald L. 3,292,524.
Collins, Harold B., Jr., Jones, and Dobrowolski. 3,263,173.
Cook, Leonard W. 3,243,549.
Cook, Leonard W. 3,265,844.
Cook, Leonard W., Coutant, and Gilmore. 3,229,354.
Cook, Newell C. 3,232,853.
Coombs, Verner D. 3,264,865.
Cooper, David. 3,231,833.
Corbett, John D., Jr. 3,249,833.
Corey, Phillip D. 3,237,127.
Corey, Phillip D. 3,248,635.
Corey, Phillip D. 3,286,155.
Corey, Phillip D., and Wellford. 3,278,827.
Cowdery, Ralph R. 3,278,891.
Cowing, Irwin L. 3,293,166.
Coyne, Gerard G. 3,285,030.
Craig, Charles R. 3,231,701.
Crain, Norman R. 3,281,704.
Crawford, Joseph H. 3,285,047.
Crawford, Joseph H., and Cappel. 3,271,291.
Crawford, Joseph H., and Peters. 3,271,288.
Criffield, Melvin E., and Gulick. 3,227,048.
Crouch, Donald W. 3,290,772.
Crowe, William P. 3,269,759.
Csicsatka, Antal. 3,272,925.
Csicsatka, Antal. 3,283,074.
Cummin, Alfred S., and Watts. 3,252,830.
Cunningham, David R., Cady, and Stone. 3,263,557.
Cunningham, Eldon R. 3,235,317.
Cunningham, Eldon R. 3,243,617.
Cusano, Dominic A., and Sornberger. 3,290,175.
Cushing, Donald S. 3,258,127.
Cushing, Donald S. 3,269,790.
Cushing, Donald S. 3,286,149.
Cushing, Donald S. 3,288,372.
Cushing, Donald S. 3,289,896.
Cutler, John H., and Britten. 3,265,952.
Dally, Roy. 3,266,808.
Dally, Roy. 3,291,488.
Dally, Roy, and Cavagnaro. 3,294,925.
Danko, George K. 3,270,237.
Dash, William C. 3,282,799.
Davidow, William H. 3,246,294.
Davis, Louis K., and Weinberger. 3,287,676.
Davis, Paul W., Jr. 3,235,825.
Davis, Paul W., Jr. 3,242,381.
Davis, William D., and Vanderalice. 3,230,362.
Dawley, Daniel B. 3,236,576.
Day, Harold R., Jr. 3,238,889.
Day, Harold R., Jr. 3,287,735.
Day, William M. 3,290,484.
Decker, George A., and Fisk. 3,275,919.
Dehn, Rudolph A. 3,248,595.
Dehn, Rudolph A. 3,248,596.
Dehn, Rudolph A. 3,278,793.
De Jean, Milton V., and Lacy. 3,293,471.
Dellert, Robert C., and Finnegan. 3,294,026.
Denham, William L. 3,251,015.
Denny, Dann W., and Zuidema. 3,234,992.
Denton, Bryce A. 3,236,649.
D'Entremont, Franklin R. 3,264,591.
D'Entremont, Franklin R. 3,283,062.
Devins, John C. 3,287,613.
Dexter, Edwin M. 3,269,419.
Dibelius, Norman R. 3,283,743.
Dickstein, David H., and Levy. 3,243,143.
Diedrich, Gunther E. 3,244,601.
Diedrich, Gunther E., and Lotz. 3,291,704.
Diefendorf, Russell J. 3,265,519.
Dills, Raymond L. 3,258,579.
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Dills, Raymond L. 3,293,411.
Dimitroff, Vladimir T., Jr. 3,239,677.
Dimond, Herbert M., and Gauthier. 3,260,808.
Dinger, Edward H. 3,283,234.
Dinger, Edward H. 3,286,151.
Dixon, Corbin. 3,240,945.
Dixon, Corbin. 3,281,592.
Dochterman, Richard W. 3,278,776.
Doersam, Henry F. 3,291,540.
Dome, Robert B. 3,236,945.
Dome, Robert B. 3,240,878.
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Draper, Cosby A., Jr. 3,260,962.
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Dutton, John C. 3,264,589.
Edkins, Denis P. 3,292,864.
Edman, Carl A., and Krans. 3,265,075.
Edson, William A. 3,277,450.
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Eggenberger, Markus A., and Troutman. 3,288,160.
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Elias, William H. 3,294,916.
Ellis, George W. 3,265,811.
Emmerling, Anson A. 3,279,244.
Enderby, Charles E., and White. 3,292,112.
English, James F., and Zubler. 3,240,975.
Englund, Arvid E., Jr. 3,256,474.
Englund, Arvid E., Jr., and Little. 3,293,569.
Eppert, Franklin P. 3,283,149.
Erickson, Clifford E. 3,285,036.
Erickson, Clifford E. 3,291,467.
Ericson, Eric A. 3,243,662.
Ericson, Eric A. 3,272,372.
Ericson, Eric A. 3,273,103.
Erwin, John R. 3,241,771.
Erwin, John R. 3,267,667.
Erwin, John R. 3,267,668.
Euler, George M. 3,236,969.
Eustance, John W. 3,292,061.
Evans, John T., and Kelling. 3,291,970.
Fahey, John R. 3,278,813.
Fahey, John R. 3,291,578.
Fairman, Philip B., and Streater. 3,284,670.
Falk, Richard B. 3,262,812.
Fantur, Charles L. 3,253,178.
Farmer, Herbert E., and Buckley. 3,230,176.
Faulkner, Le Roy M., and Hewlett. 3,290,562.
Fehr, Joseph A., Jr. 3,287,487.
Fenner, Gunther E. 3,251,222.
Fenner, Gunther E. 3,278,686.
Feth, George C. 3,259,829.
Fetterolf, Harry D., and Tindal. 3,281,627.
Finch, Thomas E. 3,286,076.
Fink, Donald E., and Krishock. 3,253,731.
Finkbeiner, Herman L. 3,280,136.
Finnegan, Cyril O., and Kothe. 3,229,054.
Finnegan, Cyril O., and Kothe. 3,290,464.
Fischer, George W. 3,230,097.
Fisher, Alec. 3,274,412.
Fisher, Lawrence E. 3,283,151.
Fister, Karoly G. 3,295,029.
Fitzpatrick, Allyn H., and Krsewina. 3,288,302.
Flairty, Clarence W. 3,247,447.
Flom, Donald G. 3,233,905.
Flowers, Ralph G. 3,228,901.
Flowers, Ralph G., and Sherer. 3,291,639.
Foldes, Stephen, and Levinstein. 3,294,497.
Folweiler, Robert C. 3,239,328.
Fornwalt, Max B. 3,249,729.
Foulds, John P. 3,233,094.
Fox, Daniel W. 3,287,421.
Fox, Daniel W., and Shenian. 3,259,592.
Frank, Carl E. 3,243,955.
Frank, John N., and Stott. 3,268,809.
Frans, Joseph P. 3,261,994.
Freeman, Eleanor A., and Walter. 3,271,202.
Fridrich, Elmer G. 3,247,477.
Fridrich, Elmer G. 3,259,777.
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Fridrich, Elmer G. 3,263,852.
Funk, Roger L. 3,268,229.
Galante, George L., Jacobs, and Sabatella. 3,278,807.
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Gale, Marvin E., and Del Monaco. 3,247,454.
Gaskill, Alfred T., Cole, and Clark. 3,246,520.
Gauthier, George E., and Hobson. 3,263,051.
Gauthier, George E., and Hobson. 3,265,836.
Gaynor, Joseph. 3,268,361.
Gaynor, Joseph. 3,276,031.
Gaynor, Joseph. 3,283,309.
Gaynor, Joseph. 3,291,601.
Gentry, Finis E. 3,265,909.
Gentry, Finis E. 3,284,681.
Gentry, Finis E., and Tuft. 3,284,680.
Genuit, Luther L. 3,244,962.
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Gerlaugh, Howard E. 3,286,470.
Ghaem-Maghami, Sanjar. 3,237,106.
Glaever, Ivar. 3,259,759.
Giegerich, Bertrand V., and Steele. 3,233,311.
Gilbert, Elliott M., and Blosser. 3,227,940.
Giles, Walter B., and Stern. 3,290,883.
Gill, Robert F., Tote, and Keverian. 3,291,655.
Gist, William B., Jr. 3,289,413.
Glascock, Homer H., Jr., and Houston. 3,263,115.
Glassanos, Andrew. 3,270,305.
Glenn, William E., Jr. 3,261,022.
Glenn, William E., Jr. 3,270,613.
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Glenn, William E., Jr. 3,289,961.
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Gloersen, Per, Gorowita, and Moses. 3,271,001.
Godfrey, Joseph E. 3,274,356.
Goldberg, Eugene P. 3,269,986.
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Goldblum, Kenneth B. 3,269,971.
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Goldman, Richard G., and Marklein. 3,263,087.
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Goossens, John C. 3,269,981.
Goossens, John C. 3,284,485.
Gowanlock, Thomas W. 3,271,080.
Grady, Raymond F., Jr. 3,260,116.
Graff, William A. 3,275,859.
Graham, Donald C. 3,252,119.
Graser, Michael, Jr. 3,234,485.
Gray, Willard F. M. 3,275,740.
Gray, Willard F. M., and McMurphy. 3,238,280.
Greene, Lawrence E. 3,235,938.
Greene, Lawrence E. 3,281,619.
Greenwood, Allan N., and Porter. 3,283,103.
Grimm, Bernard J., and Jacobus. 3,280,584.
Grimshaw, Charles. 3,286,363.
Grindle, Blaine D. 3,246,247.
Grindle, Blaine D., and Schmid. 3,277,395.
Grossoehme, Floyd. 3,292,050.
Grunwald, Frank M. 3,292,931.
Gundert, Eberhard, Berger, Stauch, and Birkhoff. 3,252,031.
Gutzwiller, Frank W. 3,244,965.
Gutzwiller, Frank W. 3,271,700.
Gutzwiller, Frank W. 3,275,909.
Gutzwiller, Frank W. 3,278,821.
Gutzwiller, Frank W. 3,293,449.
Gutzwiller, Frank W., and Sylvan. 3,295,054.
Hafkemeyer, Edward E., Jr., and Hueschen. 3,230,410.
Hair, Hugh A. 3,290,622.
Haldopoulos, Akis. 3,290,893.
Hall, Robert N. 3,245,002.
Hall, Robert N. 3,265,469.
Hall, Robert N. 3,292,128.
Hallay, Alexander R. 3,240,992.
Halley, Alexander R. 3,259,796.
Halpin, George N. 3,278,810.
Halverstadt, Robert D., Stewart, and Hunt. 3,238,114.
Hamilton, Stephen B., and Hay. 3,280,201.
Hans, Matthew F., and Burch. 3,283,305.
Hanson, Raymond F. 3,289,092.
Harbison, George C., and Crowe. 3,226,939.
Harbour, Don J. 3,292,887.
Hardy, Samuel G., and Barr. 3,257,591.
Harle, Harold P., and Woolley. 3,259,446.
Harlow, Doris J. 3,266,770.
Harnden, John D., Jr. 3,269,027.
Hart, Benjamin F., and Carlson. 3,283,399.
Hart, Benjamin F., Carlson, and Zubal. 3,243,623.
Harvey, Luke M. 3,260,939.
Havn, Svend E. 3,247,426.
Hawkins, Daryl W. 3,278,788.
Hay, Allan S. 3,234,183.
Hay, Allan S. 3,256,354.
Hay, Allan S. 3,262,892.
Hay, Allan S. 3,262,911.
Hay, Allan S. 3,262,982.
Hay, Allan S. 3,294,760.
Hebb, Malcolm H. 3,234,351.
Heft, Eldon B. 3,238,418.
Heft, Eldon B. 3,243,559.
Heft, Eldon B., and Hurtle. 3,238,419.
Heidtmann, Donald S. 3,229,379.
Hellar, Martin W. 3,264,633.
Helmintoller, Augustus M. 3,279,182.
Hemsworth, Martin C., and Stirgwolt. 3,267,673.
Hendon, Harry H., and Test. 3,271,691.
Hendricks, Mervin E. 3,288,896.
Hendriks, Hendrik B., and Burch. 3,293,353.
Henkes, John L. 3,239,841.
Henkes, John L., Jr. 3,265,776.
Henning, Eugene W., and Nowell. 3,293,451.
Herold, Henry L. 3,242,322.
Herold, Henry L., and Levinthal. 3,235,879.
Herold, Henry L., and Wright. 3,234,517.
Herrick, Carlyle S., and Campbell. 3,254,852.
Hewlett, Clarence W., Jr. 3,289,677.
Hill, George S., Davis, Shuck, and Torossian. 3,286,004.
Hirsch, Harold H. 3,281,924.
Hirsch, Harold H., and Speer. 3,242,530.
Hoag, Yates M. 3,292,933.
Hobson, Charles F., Jr. 3,286,210.
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Hogue, Marcus P. 3,229,449.
Holcomb, James E. 3,287,682.
Holle, Robert F. 3,253,175.
Holonyak, Nick, Jr. 3,249,473.
Holonyak, Nick, Jr. 3,249,764.
Holub, Fred F. 3,270,133.
Holub, Fred F. 3,277,043.
Holub, Fred F., and Safford. 3,288,744.
Holub, Fred F., and Smith. 3,288,759.
Hooker, Thomas B. 3,230,378.
Hooper, George D. 3,250,831.
Horvay, Julius B., and Grimm. 3,273,353.
Horvay, Julius B., and King. 3,283,531.
Houston, John M. 3,275,873.
Houston, John M. 3,290,170.
Howell, Edward K. 3,265,877.
Howell, John F., and Kalb. 3,248,603.
Huang, Thomas L. 3,261,990.
Hughes, William C., Wolfe, and Rieke. 3,283,310.

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Hull, Thomas N., Jr., and Edkins. 3,279,192.
Hull, Thomas N., Jr., Freid, and Doherty. 3,248,880.
Humphrey, John G. 3,290,441.
Humphrey, John G. 3,290,605.
Hurko, Bohdan. 3,290,483.
Hurko, Bohdan, and Dilla. 3,227,856.
Hurtle, Ralph L. 3,264,427.
Hurwitz, Henry, Jr. 3,273,146.
Hurwitz, Henry, Jr. 3,290,219.
Hurwitz, Henry, Jr., and Sutton. 3,260,867.
Huth, Gerald C. 3,293,435.
Hutt, Philip, and Woodward. 3,249,725.
Hwang, Ying-Chen, and Pell. 3,249,818.
Hyer, Donald R., and Hewlett. 3,290,563.
Isaacs, William R., and Stowe. 3,275,762.
Jacobs, Edward H. 3,251,085.
Jacobs, Lewis W., and Sabatella. 3,287,607.
Jacobsen, Edward H. 3,258,767.
Jacobsen, Edward H. 3,260,969.
Jacobson, Chester F. 3,246,086.
Jacobus, Dwight W. 3,287,927.
Jacomini, Omar J., and Clark. 3,258,692.
Jaffe, Mary S. 3,238,407.
Jakowatz, Charles V. 3,273,125.
Jencks, Charles L. 3,263,047.
Jencks, Charles L., and Murphy. 3,258,560.
Jencks, Charles L., and Murphy. 3,288,956.
Jenkins, Thomas E. 3,267,492.
Jenny, Alfred L., and Foster. 3,256,468.
Jewell, Richard G. 3,229,524.
Jewell, Richard G. 3,266,324.
Johnson, Norman W., and Farrell. 3,289,953.
Johnson, Peter D., and La Tourrette. 3,293,493.
Johnson, Theron C. 3,294,457.
Johnston, William D. 3,243,755.
Jones, Gary D., Nason, and Shler. 3,280,583.
Jones, Howard T. 3,248,781.
Jones, Howard T. 3,289,280.
Jones, Ray K. 3,281,762.
Jordan, Samuel C. 3,270,183.
Joseph, Raymond S. 3,236,204.
Kaeding, Hugo C. 3,270,227.
Katchman, Arthur. 3,242,401.
Katchman, Arthur. 3,259,816.
Katchman, Arthur, and Kiser. 3,234,179.
Katz, Herbert, Heitmann, and Timble. 3,282,323.
Kauffman, Melvin R. 3,289,854.
Kearns, William J. 3,228,589.
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Keiter, Robert W. 3,268,093.
Kelley, Fred W., Jr. 3,262,044.
Kelley, Harold P., Jr. 3,265,884.
Kelling, Leroy U. C. 3,248,622.
Kelling, Leroy U. C. 3,283,129.
Kelly, Edgar. 3,286,270.
Kemeny, Julius. 3,240,182.
Kendall, Louis F., Jr., and Bredt. 3,268,330.
Kendt, Norman L. 3,259,764.
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Kennedy, George C. 3,230,160.
Kernander, Warren N., and Van Bennekom. 3,245,021.
Kettler, Clarence J. 3,275,928.
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Kiesel, George W., and Owen. 3,293,577.
Kinsey, Richard R. 3,230,483.
Kinsey, Richard R. 3,258,774.
Kirk, Francis E. 3,243,577.
Kirton, George. 3,252,794.
Klein, Keith W. 3,256,407.
Klein, Keith W. 3,265,837.
Klein, Keith W. 3,278,707.
Klein, Keith W. 3,288,965.
Klein, Keith W., and Powell. 3,264,435.
Knight, John E., Jr. 3,244,940.
Knoll, Marvin E., and Nicklas. 3,275,748.
Koff, Bernard L. 2,249,293.
Kolbe, Carl L. 3,243,274.
Kotos, Peter. 3,264,430.
Krantz, Karl. 3,294,737.
Krantz, Karl W. 3,294,717.
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Kubler, Ernest F. 3,229,182.
Kuhn, Donald H. 3,293,648.
Kulp, John F., Jr. 3,274,301.
Kurt, Howard D. 3,290,459.
Kutney, John T. 3,229,933.
Kutney, John T. 3,280,561.
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Kutney, John T., and Israel. 3,262,269.
Kydd, Paul H., and Mullaney. 3,270,780.
Labus, Edward A., and Mueller. 3,244,883.
Lacy, Michael J. 3,268,986.
Ladusaw, William T. 3,263,403.
Lafferty, James M. 3,239,715.
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Lafferty, James M. 3,273,005.
Lafferty, James M. 3,290,542.
Lafferty, James M. 3,290,553.
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Lafuze, David L. 3,229,186.
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Langa, Edward J. 3,252,692.
Langley, Lawrence W. 3,247,929.
Lanzl, Robert H., and Smith. 3,235,937.
La Rocca, Aldo V. 3,270,496.
Lavoo, Norman T. 3,270,240.
Lawson, Gustaf R. 3,248,643.
Le Bell, Clarence E., and Taub. 3,237,918.
Lee, Harold R. 3,264,248.
Lee, Robert, and Sowers. 3,227,240.
Lee, Thomas H., and Liao. 3,287,588.
Leeds, Laurance M. 3,281,532.
Lemaster, Stan W., and Mesplay. 3,238,405.
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Lennard, Dean J. 3,289,946.
Lester, Howard L., and Cain. 3,282,388.
Levetan, Robert V. 3,243,629.
Levetan, Robert V. 3,247,414.
Levetan, Robert V. 3,258,173.
Levins, Dave B. 3,258,965.
Levinthal, Jay G., and Zeheb. 3,245,041.
Lewis, Ernest E., and Maher. 3,292,449.
Lewis, Walter E. 3,286,080.
Lindt, Stanley L., and Baker. 3,243,241.
Linehan, Francis R. 3,270,391.
Lingel, Frederick J. 3,271,643.
Linkous, Clovis E. 3,256,402.
Linkous, Clovis E. 3,256,403.
Linz, Robert M., and Calcsatka. 3,272,922.
Lipsey, Goldner F. 3,278,883.
Lock, Richard G. 3,286,125.
Locke, Raymond C. 3,290,560.
Loft, Arne. 3,243,596.
Lommel, James M., and Graham. 3,243,269.
Loncrini, Donald F. 3,269,985.
Louden, William C., and Pinter. 3,243,635.
Lovinger, Daniel. 3,250,956.
Lucek, John R., and Pearce. 3,263,162.
Luebering, George W., and Meyer. 3,227,176.
Lustenader, Edward L. 3,234,109.
Lustenader, Edward L. 3,293,153.
Lynch, Edward I. 3,274,517.
Macaulay, Angus J. 3,263,674.
Mach, Charles A. 3,280,859.
Mackenzie, John D., and Mitoff. 3,258,434.
Maget, Henri J. R., and Wheeler. 3,274,081.
Malm, Robert N. 3,256,508.
Malm, Robert N. 3,286,116.
Manfredi, Robert E., Koskos, and Ammenheuser. 3,265,-919.
Manning, Ralph M. 3,244,824.
Manteuffel, Erich W. Re. 26,027.
Manwarren, Thomas E. 3,245,008.
Marble, Chester B. 3,251,182.
Marchewka, Theodore E. 3,229,174.
Marklein, William R. 3,228,234.
Martellock, Arthur C. 3,243,404.
Martyny, William C. 3,243,630.
Martyny, William C. 3,247,415.
Martyny, William C., and Parillo. 3,237,042.
Masters, David W. 3,239,819.
Masters, David W. 3,277,444.
Mathews, Charles A. 3,273,017.
Mathews, Charles A. 3,277,344.
Mayer, Charles B. 3,247,420.
McCallum, John. 3,288,649.
McCarty, William V. 3,226,967.
McCreight, Louis R. 3,288,629.
McDougal, Kenneth R. 3,249,778.
McFarland, George L. 3,268,839.
McGarvey, William H., Thames, and Shepherd. 3,246,-188.
McGill, John C., Hoover, and Heflin. 3,263,710.
McGrew, Thomas A. 3,249,156.
McKechnie, Robert K. 3,233,127.
McLoughlin, Joseph R. 3,286,018.
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McMahon, Terrence S. 3,286,936.
McNabb, Robert C. 3,260,956.
McQuade, James M. 3,276,923.
McQuade, James M., Hamlen, and Nilson. 3,268,365.
Meals, Robert N. 3,269,982.
Melklejohn, William H. 3,263,149.
Mendelsohn, Lewis I. 3,260,931.
Meng, John D. 3,254,236.
Meng, John D. 3,290,509.
Merrell, Francis M., and Herrera. 3,267,460.
Merritt, Robert B., and Trewhella. 3,275,901.
Merz, Donald M., and Shemeta. 3,249,743.
Meyer, Jerry A. 3,292,934.
Mihran, Theodore G. 3,278,795.
Mihran, Theodore G., and Boyd. 3,248,593.
Miles, Alfred. 3,265,331.
Miller, Meritt L. 3,248,727.
Mitchell, Michael E. 3,237,160.
Mittermaier, Armin F. 3,251,208.
Mittermaier, Armin F. 3,270,308.
Modic, Frank J. 3,231,532.
Mohler, Donald, and West. 3,270,261.
Moneymaker, Elton G., and Marx. 3,284,853.
Mongesku, William O., and Richter. 3,294,347.
Moore, Fred W., and Lawson. 3,242,643.

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Moore, Harwood B. 3,283,075.
Moore, Harwood B. 3,283,076.
Moore, Harwood B., and Stein. 3,290,045.
More, Philip J., and Urbank. 3,250,268.
Morelock, Charles R. 3,261,676.
Morelock, Charles R., and Luborsky. 3,243,284.
Morey, Everett D. 3,226,842.
Morey, Everett D. 3,274,808.
Mosby, Fred A. 3,270,238.
Mosby, Frederick A. 3,243,634.
Moyson, Joseph, and Petruzella. 3,242,551.
Muller, Horst G. 3,289,283.
Munro, Howard E. 3,290,409.
Murphy, Frank H. 3,265,833.
Murray, James G. 3,239,550.
Murray, James G. 3,239,551.
Murray, James G. 3,271,361.
Naake, Hans J. 3,249,470.
Naake, Hans J. 3,284,877.
Nelson, Paul H. 3,294,992.
Nelsen, Ronald N. 3,293,458.
Nesbitt, Loyd B. 3,262,277.
Nesbitt, Loyd B. 3,267,683.
Newberry, Sterling P. 3,275,787.
Newberry, Sterling P. 3,278,679.
Newell, Robert W. 3,271,932.
Newhouse, Vernon L. 3,241,124.
Newhouse, Vernon L. 3,264,578.
Newhouse, Vernon L., Bremer, and Edwards. 3,280,337.
Ney, Robert J. 3,259,774.
Niles, Everett. 3,294,998.
Nisula, David A. 3,272,549.
Noble, Milton L. 3,267,302.
Norton, James F. 3,265,855.
Noster, Charles F., Nichols, and Steele. 3,294,123.
Nuckolls, Joe A. 3,249,807.
Ogle, Hugh M. 3,234,100.
Ogle, Hugh M. 3,290,508.
Olney, Fred D., Jr., and Price. 3,292,051.
Olsen, Russell T. 3,247,355.
Omer, Kenner S. 3,265,200.
Oriez, Robert L. 3,239,749.
Ostrognai, Allen G. 3,235,653.
Ott, George E., Jr., and Lohrey. 3,240,239.
Owen, Henry E. S., and Klein. 3,260,825.
Owens, Robert S., St. Pierre, and Klint. 3,288,715.
Ozarow, Vernon. 3,236,780.
Paille, Wilbrod A., Belli, and Fowler. 3,226,967.
Paille, Wilbrod A., Belli, and Fowler. 3,229,494.
Palty, Adolph E., and Bergman. 3,235,415.
Pan, Coda H. T. 3,240,221.
Parke, Robert M. 3,264,692.
Pate, Albert F., Kuebler, and Kestner. 3,253,176.
Paynter, Donald A. 3,227,889.
Payton, Don E., and Pattison. 3,292,984.
Peaslee, Lawrence R., and Rosenblatt. 3,241,033.
Pell, William, and Raillard. 3,267,394.
Pell, Erik M. 3,261,730.
Pfeiffer, Heinz G. 3,270 121.
Phillips, Robert M. 3,259,786.
Picozzi, Vincent J. 3,234,419.
Pierce, Earl F., Jr. 3,248,800.
Piper, William W. 3,243,267.
Pistey, John M. 3,245,026.
Pistey, John M. 3,263,201.
Pistey, John M. 3,285,560.
Pistey, John M. 3,290,638.
Piteo, Benjamin A. 3,263,046.
Pitha, John J. 3,291,759.
Plump, Ralph E. 3,288,927.
Polonsky, Samuel. 3,289,630.
Polonsky, Samuel, and King. 3,280,547.
Pomfrett, John M. 3,275,885.
Powell, Benjamin O. 3,280,363.
Powell, Benjamin O. 3,292,107.
Powell, David B. 3,265,832.
Powell, David B. 3,268,689.
Powell, Walter F., Jr. 3,249,799.
Powell, Walter F., Jr. 3,265,930.
Preschel, Kenneth S., and Wright. 3,249,789.
Pressley, Robert C., Jr. 3,227,802.
Price, Vernon G. 3,237,134.
Prochaska, Robert J. 3,274,214.
Prochaska, Robert J. 3,294,862.
Propster, Charles H., Jr. 3,267,435.
Pua, James. 3,250,936.
Pugh, John W., Amra, and Hurd. 3,236,699.
Quillinan, John H. 3,229,936.
Rate, Edward T., Jr. 3,249,786.
Rayno, Paul J. 3,236,976.
Read, Philip L. 3,264,803.
Rediger, Alvin L., and Slager. 3,261,061.
Rediger, Alvin L., and Slager. 3,262,000.
Reese, Morris T., and Ruscetta. 3,239,595.
Reid, James W., Jr. 3,229,156.
Reiling, Gilbert H. 3,234,421.
Reiling, Gilbert H. 3,236,269.
Reiling, Gilbert H. 3,265,929.
Reinert, Raymond L., and Fliss. 3,241,545.
Reisch, George J. 3,264,016.
Rex, Charles H. 3,264,465.
Rex, Charles H. 3,283,140.
Reynolds, Luther W. 3,288,613.
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Rhoades, John M. 3,236,124.
Rhudy, Ralph G. 3,260,209.
Rich, Edward A. E., and Brockman. 3,272,444.
Rich, Theodore A. 3,258,634.
Richardson, George, Ferren, and Denley. 3,226,905.
Robb, Walter L. 3,256,675.
Robb, Walter L. 3,274,750.
Roberts, Edward H. 3,227,502.
Roberts, Richard W., and Owens. 3,228,880.
Robinson, Richard D., Belt, and Bremmer. 3,251,044.
Rodbell, Donald S. 3,230,463.
Rodman, William R., Sr., and Russell. 3,250,505.
Roecks, Carl C., and Strange. 3,261,523.
Romano, Frank A., Jr. 3,255,371.
Rooney, John P. 3,271,706.
Rose, George D., Jr., and Latker. 3,281,698.
Rosenberry, George M., Jr. 3,289,071.
Rosenberry, George M., Jr. 3,293,517.
Rosenblatt, Murray. 3,229,270.
Rosner, Carl H. 3,262,026.
Rosner, Carl H. 3,270,247.
Rosner, Carl H., and Bean. 3,281,668.
Ross, John F. 3,281,309.
Roth, Walter L. 3,284,359.
Roussin, Alfred G. 3,251,940.
Roussin, Alfred G., and Weiner. 3,253,240.
Rowe, Raymond N. 3,229,066.
Rowe, Raymond N. 3,243,663.
Rowe, Raymond N. 3,263,131.
Rubin, Isidore E. 3,246,130.
Ruscetta, Ralph A., and Jenny. 3,255,390.
Sacks, Kenneth L. 3,270,911.
Safford, Moyer M. 3,227,777.
Safford, Moyer M. 3,288,764.
Safford Moyer M. 3,288,879.
St. Pierre, Leon E., and Owens. 3,280,027.
St. Pierre, Philippe D. S. 3,232,753.
St. Pierre, Philippe D. S. 3,291,869.
Saldi, Ideal T. 3,256,455.
Salomon, Allen N., and Carson. 3,255,389.
Savage, Robert H. 3,290,472.
Scanlon, William F. 3,266,326.
Schaefer, Donald L. 3,236,686.
Schaefer, Donald L. 3,249,790.
Schalkowsky, Samuel. 3,258,598.
Scheldorf, Owen H. 3,292,884.
Scheper, George W., Jr. 3,286,982.
Scheper, George W., Jr. 3,286,983.
Schilling, Edmund F., and Campbell. 3,289,028.
Schindler, Donald R., and Stuart. 3,252,845.
Schleicher, Allison R., Jr. 3,269,204.
Schlesinger, Kurt. 3,265,926.
Schlesinger, Kurt. 3,286,114.
Schlossar, Edmund. 3,257,593.
Schmidt, Gustav A. 3,260,699.
Schmidt, Kurt. 3,248,590.
Schmitz, Harry W. 3,244,040.
Schmitz, John V., and Thomas. 3,248,758.
Schrader, Roger F., Airgood, and Nonken. 3,233,198.
Schrom, Edward C. 3,234,429.
Schrom, Edward C. 3,283,294.
Schultz, Harry E. 3,247,422.
Schultz, Warner W., and Briggs. 3,234,388.
Schulz, Albert E. 3,267,255.
Schumacher, Walter C. 3,281,005.
Schweiger, Frank A., and Pope. 3,241,842.
Schweikert, Wilbur H. 3,284,862.
Scott, Ernest R. 3,251,107.
Scott, George A. 3,291,113.
Searles, Scott, Jr. 3,239,535.
Searles, Scott, Jr. 3,249,587.
Sears, Walter J., and Polonsky. 3,281,548.
Seegmiller, Walter R. 3,239,656.
Seegmiller, Walter R. 3,263,066.
Seegmiller, Walter R., and Underkoffler. 3,264,457.
Seeley, Harold T. 3,277,343.
Seely, Richard E. 3,270,223.
Sees, Myron M., and French. 3,249,378.
Selin, Terry G. 3,231,575.
Selin, Terry G. 3,277,047.
Seltzer, Morris. 3,281,967.
Semmel, John W., Jr. 26,122.
Sergent, David A. 3,250,521.
Sergent, David A. 3,250,643.
Shaffer, Paul B. 3,270,222.
Shayeson, Maurice W., and Burggraf. 3,229,499.
Shelton, Winston L. 3,257,830.
Shelton, Winston L. 3,258,095.
Shelton, Winston L. 3,269,499.
Shepherd, Neal H. 3,258,694.
Shonebarger, Francis J. 3,275,358.
Shumate, Robert H. 3,289,082.
Siebold, Donald J. 3,274,450.
Siebold, Donald J. 3,285,078.
Simonson, Marvin R. 3,258,206.
Sisler, Robert R. 3,233,794.
Skeats, Wilfred F. 3,275,886.
Skoda, Raymond E. 3,271,285.
Slattery, John P. 3,274,472.
Sloan, Richard T. 3,289,051.
Slomski, Stanley L. 3,241,029.
Slonneger, John L. 3,234,805.
Slonneger, John L. 3,293,388.

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Smialek, Leon J., and Cook. 3,249,781.
Smith, Clarence L., and De Zuba. 3,293,204.
Smith, David I. 3,242,379.
Smith, Ivie L. 3,290,255.
Smith, James M., and Sylvan. 3,284,675.
Smith, Jerry D. 3,249,252.
Smith, Sidney R., Jr. 3,230,411.
Smith, Sidney R., Jr. 3,238,330.
Smith, Sidney R., Jr., and Sakshaug. 3,230,416.
Smuland, Robert J. 3,262,635.
Snyder, Paul V. 3,283,128.
Snyder, Paul V. 3,291,968.
Solberg, Willis O. 3,235,780.
Somos, Istvan. 3,261,985.
Soura, William A. 3,288,028.
Spacil, Henry S. 3,251,684.
Spacil, Henry S. 3,265,521.
Spacil, Henry S. 3,288,634.
Spalding, David P. 3,288,743.
Speros, Dimitrios M., and Buccilli. 3,249,859.
Springer, Hans. 3,251,086.
Stahr, Henry M., and Graham. 3,242,402.
Stanford, Melvin E. 3,286,232.
Stanley, Max W. 3,294,364.
Staples, Paul R. 3,275,236.
Staples, Paul R. 3,293,394.
Staples, Paul R., and Heidtmann. 3,277,280.
Staub, Fred W. 3,289,752.
Steen, Flody L. 3,259,802.
Stelli, Daniel E., and Garbarczyk. 3,278,037.
Stephens, Carl J., and Shalvoy. 3,292,885.
Stephenson, William B., Jr., and Farmer. 3,244,603.
Stern, Ernest. 3,249,882.
Stern, Hansjoerg. 3,233,522.
Stetson, Earl W. 3,259,780.
Stillmaker, Richard B. 3,249,906.
Stoddard, Edgar S. 3,254,016.
Stoddard, Robert K., and Cadwallader. 3,228,265.
Stoeckly, Eugene E. 3,269,677.
Storm, Herbert F. 3,243,602.
Stout, Virgil L. 3,285,687.
Stover, Edward R. 3,283,040.
Strong, Herbert M. 3,292,997.
Sugden, William A. 3,260,520.
Suhr, Fred W., and Donshoo. 3,243,620.
Summers, Erwin R. 3,245,733.
Summers, Erwin R., and Rosenberry. 3,264,695.
Sunderland, Luther D. 3,263,572.
Sutton, Robert J. 3,243,565.
Swartz, Paul S. 3,258,828.
Swartz, Paul S. 3,262,024.
Swartz, Paul S. 3,281,737.
Sweeny, James O., and Becker. 3,291,900.
Sweeny, James O., and Walters. 3,291,890.
Swetnam, Norman T. 3,288,155.
Sylvan, Tage P. 3,253,196.
Szeremy, Norman. 3,247,469.
Tavernelli, Joseph F., and Piepsny. 3,285,593.
Taylor, Charles E. 3,253,084.
Taylor, Richard P., Rabone, and McCardle. 3,237,864.
Taylor, Robert N. 3,241,710.
Thatcher, Robert R. 3,286,158.
Thompson, Robert L. 3,269,872.
Tiemann, Jerome J. 3,237,064.
Tiemann, Jerome J. 3,247,366.
Tiemann, Jerome J. 3,247,396.
Tiemann, Jerome J. 3,292,007.
Tillson, Robert S. 3,272,953.
Tolbert, Joseph A. 3,257,553.
Tolbert, Joseph A. 3,265,883.
Toma, Daniel N. 3,257,950.
Toma, Daniel N. 3,269,316.
Tomiyasu, Kiyo, and Whitten. 3,243,592.
Topping, Ernest W., and Chafee. 3,234,802.
Torossian, Kevork A. 3,263,308.
Towne, Allen N., and Ward. 3,259,688.
Treaftis, Harry N. 3,291,758.
Troutman, Paul H., and Hogan. 3,277,355.
True, Thomas T. 3,250,948.
True, Thomas T. 3,251,930.
Tupper, Myron D. 3,250,932.
Tupper, Myron D. 3,264,045.
Tupper, Myron D., and Dochterman. 3,250,579.
Turner, Robert G. 3,280,581.
Ueberschaer, Hubert J. 3,285,235.
Ultcht, John P. 3,286,178.
Vanderlee, Harold G. 3,285,032.
Vanegas, Guillermo J. 3,290,109.
Van Luik, Frank W., Jr., Wood, and Kruszona. 3,250,-060.
Vaughn, Howard A., Jr. 3,269,984.
Veno, Lester B., Jr. 3,262,645.
Verbinski, Victor V. 3,234,387.
Victor, Joseph A. 3,292,025.
Vincent, Thomas C. 3,242,096.
Volzer, Joseph B., and Wenig. 3,237,045.
Wagner, Burton F. 3,289,187.
Wagner, James B. 3,233,412.
Wagner, James B., and Straney. 3,233,413.
Waldelich, John A., Jr. 3,266,369.
Waldron, James E. 3,277,345.
Walker, Loren H. 3,263,152.
Walker, Loren H. 3,274,480.
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Walter, John L. 3,271,203.
Wasileski, Norbert J. 3,289,142.
Waters, James L. 3,271,602.
Watrous, Donald L. 3,233,116.
Watrous, Donald L. 3,260,916.
Watson, Percy K. 3,236,986.
Wattenbach, Hans L. 3,235,769.
Wattenbach, Hans L. 3,235,770.
Wattenbach, Hans L. 3,275,875.
Watters, Robert L. 3,237,123.
Watters, Robert L. 3,270,338.
Watters, Robert L. 3,275,883.
Watters, Robert L. 3,292,064.
Watters, Robert L. 3,292,090.
Webster, Harold F. 3,237,047.
Wehninger, Joseph L. 3,291,709.
Weiser, Earnest F. 3,257,597.
Weizenbaum, Joseph. 3,238,507.
Welch, Stanley B. 3,286,445.
Welch, Stanley B. 3,293,410.
Wellford, Armistead L. 3,237,124.
Wellford, Armistead L. 3,248,639.
Wellford, Armistead L. 3,248,640.
Wellford, Armistead L. 3,265,953.
Weller, Elbert J., and Schrier. 3,249,985.
Wentorf, Robert H., Jr. 3,265,944.
Wentorf, Robert H., Jr. 3,271,502.
Wentorf, Robert H., Jr., and De Lai. 3,233,988.
Wesbey, William H., and Shadduck. 3,244,174.
West, Harrison. 3,227,418.
West, Robert A. 3,254,282.
West, Robert A., and Catotti. 3,245,888.
Wetherby, David A., and Csicsatka. 3,294,915.
Wetzel, John W. 3,246,122.
White, Gerald M. 3,235,844.
White, John E. 3,243,632.
White, Richard M. 3,231,779.
Whitehead, Harold S. 3,276,269.
Whittlesey, Joseph I. 3,243,622.
Wiese, James A. 3,283,060.
Williams, Raymond L. 3,270,500.
Williams, Raymond L., and Spencer. 3,277,791.
Wilson, John, and Cook. 3,250,941.
Wilson, Walter R. 3,243,560.
Wilson, Walter R. 3,267,241.
Wilson, Walter R. 3,281,521.
Winkler, Richard H. 3,293,478.
Wolf, Irving W. 3,234,525.
Wolfe, John E., and Reeves. 3,247,493.
Wolfram, Adolf E. 3,292,089.
Wood, David E. 3,243,703.
Wood, William H. 3,236,354.
Woodbury, Henry H. 3,282,749.
Woods, Lee O. 3,287,675.
Woodward, Morton P., Jr. 3,289,159.
Wormser, Alexander F. 3,283,572.
Wormuth, Wilbur J. 3,261,801.
Worst, Joseph C. 3,229,880.
Worst, Joseph C. 3,229,796.
Worst, Joseph C. 3,242,585.
Worst, Joseph C. 3,248,799.
Worst, Joseph C. 3,257,955.
Worst, Joseph C. 3,285,589.
Wray, Robert L., Jr. 3,251,973.
Wright, Robert B., Jr., and Herold. 3,238,360.
Wu, Tse C. 3,234,180.
Wu, Tse C. 3,264,259.
Wu, Tse C. 3,278,461.
Yerman, Alexander J. 3,277,717.
Young, James R. 3,280,365.
Young, Warren D. 3,295,007.
Zabriskie, William L. 3,259,993.
Zebroski, Edwin L. 3,262,860.
Zelina, William B. 3,242,414.
General Electric Co. Ltd., The: *See*—
Allen, Richard M., and Williams. 3,237,129.
Barnet, Peter A., and Vickers. 3,231,710.
Butler, Alan H. 3,294,369.
Gibson, George A., and Tyler. 3,283,229.
Hakin, Sahir S., and Vines. 3,261,921.
Harris, Alban E., and Needle. 3,280,377.
Ingram, Derek G. W. 3,231,821.
Jones, David J., Wallis, and Rowell. 3,231,332.
King, William G., Leete, and McKeag. 3,242,369.
McPherson, John W. 3,259,835.
Neild, Donald W. 3,290,675.
Paley, Derek B. 3,231,812.
Place, John H. 3,264,426.
Rodgers, Gerald P. 3,287,706.
Wayman, Cecil J. 3,237,189.
General Electronic Laboratories, Inc.: *See*—
Adams, William L. 3,235,810.
Billig, Lewis S. 3,257,584.
Locke, William N., Billig, and Bisberg. 3,267,591.
Ludwig, David R., and Rafuse. 3,239,744.
Meyer, Edward M. 3,280,271.
Schepis, Joseph A. 3,235,872.
General Engineering and Mfg. Co., Inc.: *See*—
Long, Jack W. 3,277,586.
General Equipment Mfg. & Sales, Inc.: *See*—
Dimmich, Robert C., and Manker. 3,255,938.
Gatheridge, Marvin R. 3,245,664.
Thomas, Donald J. 3,254,504.

General Filter Co.: *See*—
Scholten, John J. 3,265,370.
Scholten, John J., and Howard. 3,279,610.
General Fireproofing Co., The: *See*—
Howard, John W. 3,251,419.
McCarthy, Joseph H. 3,239,298.
Rasor, John C. 3,273,922.
Rasor, John C., and Johnson. 3,254,362.
General Floorcraft, Inc.: *See*—
Meyerhoefer, Carl E. 3,267,511.
Sassano, Joseph, Sr. 3,277,507.
General Foam Corp.: *See*—
Buff, Fred. 3,234,836.
Buff, Fred, French, Pollock, and Ricciardi. 3,282,415.
General Foods Corp.: *See*—
Barnes, Donald E. 3,270,941.
Byer, Ellis M., and Lang. 3,244,530.
Cameron, John A. 3,261,675.
Cleaves, Gene. 3,236,074.
Clinton, William P., Kraut, and Pitchon. 3,244,533.
Clinton, William P., and Pitchon. 3,244,531.
Cox, Raymond E. 3,236,657.
De George, Raymond. 3,253,420.
Disbrow, Harley J., and Tolf. 3,271,023.
Duggan, Kenneth E., and Byrne. 3,231,395.
Fingerhut, Arthur L. 3,263,807.
Fingerhut, Arthur L. 3,294,546.
Fortney, Cecil G., Jr., and Hunt. 3,251,703.
Glicksman, Martin. 3,250,621.
Glicksman, Martin, and Schachat. 3,264,114.
Huntoon, Robert B., Consolazio, Paraskevas, Kalafatas, and Moses. 3,244,689.
Immermann, Milton, Ensign, and Woods. 3,282,467.
Jones, John A., Lee, Vogt, and Woodruff. 3,261,538.
Lanham, Samuel E., and Lamczyk. 3,284,963.
Leonard, Edmund A. 3,235,116.
Mahlmann, James P. 3,244,532.
Marona, Robert N., and Huepenbecker. 3,285,477.
Mitchell, Robert M. 3,265,255.
Mitchell, William A., Barnes, and Schwartzberg. 3,255,-600.
Mitchell, William A., and Ronal. 3,241,977.
Moses, Ronald E., Consolazio, and Paraskevas. 3,232,-924.
Noznick, Peter P., and Tatter. 3,246,992.
Oldershaw, Charles G. P. 3,234,983.
Oldershaw, Charles G. P., King, and La Ferney. 3,255,-864.
Ponzoni, George B. 3,261,689.
Raye, George W. 3,226,912.
Robbins, Frederick M., Bonagura, and Yare. 3,261,822.
Rollins, Murray L., and Ott. 3,283,941.
Rosenthal, Harold, and Casper. 3,256,099.
Sienkiewicz, Boleslaw, and Hollis. 3,261,695.
Sienkiewics, Boleslaw, and Kohler. 3,252,805.
Stagmeler, Arthur F., and Rothmann. 3,289,387.
Topalian, Harry. 3,294,552.
Topalian, Harry H., and Elsesser. 3,282,707.
Whaley, Wilson M., and Mosby. 3,252,962.
Genera. Gas Light Co.: *See*—
Ellinger, Herbert E., and Humphrey. 3,294,316.
Humphrey, Robert P. 3,280,703.
Loveless, Stanley M. 3,244,198.
Loveless, Stanley M., and Robinson. 3,251,378.
General Gummed Products, Inc.: *See*—
Nickerson, Franklin G., Jr., and Cameron. 3,271,219.
General Hardware Mfg. Co., Inc.: *See*—
Hickman, Walter A. 3,283,404.
General Impact Extrusions (Mfg.) Ltd.: *See*—
Rieder, Otto E. 3,227,318.
General Indicator Corp.: *See*—
Tompkins, Pendleton S., Grinnell, and Ives. 3,229,975.
General Industries Co., The: *See*—
Harrison, Robert R. 3,265,369.
General Instrument Corp.: *See*—
Bernstein, Bernard. 3,238,426.
Bernstein, Bernard. 3,243,867.
Couture, Philip L. 3,275,542.
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Forni, Vincent S., and Kitty. 3,268,882.
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Jordan, Wesley A. 3,251,781.
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Kamal, Marwan R. 3,264,319.
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Baker, Max P. 3,263,447.
Balk, Albert C. 3,249,563.
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Beck, Timothy E. H., and Banks. 3,252,687.
Bekker, Mieczyslaw G. 3,235,020.
Bell, Gregory E., and West. 3,237,982.
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Bergstrom, James W., and Bockemuehl. 3,265,899.
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Black, Robert E. 3,254,211.
Blenman, William G. 3,286,688.
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Boman, William H. 3,246,535.
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Borman, August H., Jr. 3,260,331.
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Breting, Ulysses A., and Smith. 3,264,902.
Bright, James A. 3,287,924.
Brissette, Lawrence P., and Leslie. 3,273,286.
Brohl, Earl M. 3,253,124.
Brown, Arnold R. 3,287,067.
Brown, William E., and Campbell. 3,252,025.
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Cassel, Thomas R. 3,270,992.
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Christenson, Howard W. 3,236,117.
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Corbin, Ralph L., Kruger, and Badgley. 3,272,656.
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Coverley, Harold E., and Greenland. 3,232,656.
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Daubin, Scott C. 3,286,638.
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De Claire, James H. 3,270,840.
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Flanigan, Eugene E., Guernsey, Roan, and Zeek. 3,237,-404.
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Foster, Michael R. 3,291,064.
Fox, Robert M., and Leslie. 3,226,755.
Frei, Arthur J., Sr. 3,252,293.
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Greene, Paul B., Le Valley, Mewhinney, and Nevin. 3,270,969.
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Gregory, James F. 3,260,912.
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Hewko, Lubomyr O. 3,252,355.
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Highley, Frank H. 3,263,428.
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Hollar, Arthur W., Jr. 3,237,988.
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Huddle, Carl F. 3,285,588.
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Hyde, Arthur P. S. 3,263,660.
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Jacobs, James W. 3,242,584.
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Jacobs, James W. 3,266,128.
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Jacobs, James W., Smilack, and Gould. 3,290,793.
Jacoby, Gerald B. 3,274,904.
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Johnston, William J. 3,274,487.
Julian, Clarence L. 3,240,886.
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Katz, Seymour, and Ferrero. 3,253,488.
Kearney, William R. 3,277,442.
Keinath, Richard L. 3,276,438.
Kell, Nathaniel B. 3,277,743.
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Kesling, Keith K. 3,251,914.
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Kesten, Patrick N. 3,274,423.
Kilgore, Harry A., and Smith. 3,271,060.
Kimberlin, Dan R. 3,245,282.
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Kinsey, Claude J., Trimble, and Volke. 3,235,073.
Kirk, Thomas E. 3,295,122.
Kirk, Thomas E., and Worrell. 3,270,331.
Kitzmann, Ronald A. 3,247,340.
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Klove, Edwin H., Jr., Magyar, Packett, and Meshew. 3,256,576.
Klueger, Herbert D. 3,228,719.
Kocl, Henry H. and L. F. 3,252,549.
Kolbe, William H., and Hyde. 3,255,743.
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Kripke, Joseph B. 3,253,347.
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Kuiper, Dan B. 3,257,808.
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Long, George B. 3,245,235.
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McDougal, John A. 3,271,627.
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McEwen, John C. 3,245,620.
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Sherwood, Frank A. 3,243,175.
Short, Brooks H. 3,249,808.
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Snyder, Kenneth E. 3,273,674.
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Snyder, Kenneth E. 3,282,593.
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Steiner, William R. 3,264,047.
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Auer, John H., Jr. 3,290,489.
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Auer, John H., Jr., and Frielinghaus. 3,233,212.
Auer, John H., Jr., and Huffman. 3,252,134.
Auer, John H., Jr., and Kendall. 3,252,133.
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Gerlach, Adolf, P. Hillringhaus, and W. Strassmann, to Movi Patentverwertungs-G.m.b.H. Sliding clasp fasteners. 3,249,126, 5-3-66, Cl. 139—122.

Gerlach, Adolf, P. Hillringhaus, and K. Lehmbach, to Novi Patentverwertungs-G.m.b.H. Sliding clasp fasteners. 3,266,114, 8–16–66, Cl. 24—205.1.

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Gerlach, Stephen G. Muffler and oxidizer means. 3,279,168, 10–18–66, Cl. 60—30.

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Gies, Helmut, H. Lindner, and A. Siebert, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Water-insoluble monoazo-dyestuffs. 3,250,763, 5–10–66, Cl. 260—207.
Gies, Helmut, H. Lindner, and A. Siebert, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Water-insoluble monoazo-dyestuffs. 3,284,437, 11–8–66, Cl. 260—207.
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Gifford, William E. Heat exchanger having oscillating fluid for receiving and discharging heat. 3,265,128, 8–9–66, Cl. 165—104.
Gifford-Wood, Inc.: *See*—
Adams, Robert E. 3,251,580.
Adams, Robert E. 3,291,286.
Gifft, Thomas H. Proximity indicating system. 3,293,600, 12–20–66, Cl. 340—33.
Giger, Adolf J., to Bell Telephone Laboratories, Inc. Space satellite communications repeater. 3,234,551, 2–8–66, Cl. 343—100.
Giger, Adolph J., and A. F. Perks, to Bell Telephone Laboratories, Inc. High efficiency discriminator. 3,248,659, 4–26–66, Cl. 329—133.
Giger, Johannes, to Brown, Boveri & Cie. Aktiengesellschaft. Process for the production of a superconductive member. 3,292,242, 12–20–66, Cl. 29—155.5.
Gigl, William A., to The Hubley Mfg. Co. Wheel mounting for toy vehicles. 3,238,666, 3–8–66, Cl. 46—221.
Gigli, Giulio, to L. & C. Hardtmuth Inc. Writing implement with cartridge. 3,234,918, 2–15–66, Cl. 120—45.4.
Gignac, Roy G., to Electronic Components Corp. Direct current polarity control circuit. 3,267,301, 8–16–66, Cl. 307—127.
Gignoux, Dominique, to Cosmic, Inc. Method and vessel for deep diving. 3,261,317, 7–19–66, Cl. 114—116.
Gijon, Anthonio J., and said Quiros, assors.: *See*—
Quiros, Alejandro M., and Adzeries. 3,273,116.
Gijzen, Jacob V., to Fabriek Van Chemische Producten Vondelingenplaat N.V. Process for the preparation of esters from dibasic acid anhydrides and organic sulphites. 3,227,744, 1–4–66, Cl. 260—475.
Gika, Konstantin, to American Machine & Foundry Co. Self-leveling device. 3,230,024, 1–18–66, Cl. 312—71.
Gilbert, A. C., Co., The: *See*—
Frisbie, Marshall H., and Healey. 3,291,498.
Goldbeck, Bernard H. 3,292,926.
Lahr, Robert G. 3,290,498.
Smith, William R., and Monaco. 3,239,963.
Gilbert, Abner I., to Cutting Room Appliances. Multilayer cloth laying means. 3,239,211, 3–8–66, Cl. 270—31.
Gilbert, Alex. Forging manipulator. 3,247,700, 4–26–66, Cl. 72—420.
Gilbert, Alfred G.: *See*—
Rogers, William H., Gilbert, G. B. and A. G., and Dinarello. 3,229,620.
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Strohmeyer, Charles, Jr. 3,226,932.
Strohmeyer, Charles, Jr. 3,241,322.
Gilbert Berthiez, Frederick C., to Anciens ets Berthiez, Charles, Societe Anonyme des. Arrangement for controlling the acceleration and deceleration of a continuous speed changing device. 3,227,052, 1–4–66, Cl. 91—459.
Gilbert, Chalmers W., to Westinghouse Air Brake Co. System for controlling alternating current motors. 3,233,158, 2–1–66, Cl. 318—212.
Gilbert, David I.: *See*—
Morley, Morgan J., and Gilbert. 3,254,564.
Gilbert, Edward J. Educational device. 3,290,798, 12–13–66, Cl. 35—31.
Gilbert, Elliott M., and M. S. Blosser, to General Electric Co. Voltage sensitive control circuit. 3,227,940, 1–4–66, Cl. 321—11.
Gilbert, Emerson D., and G. P. Deyerling, to The Bendix Corp. Shock absorber. 3,265,163, 8–9–66, Cl. 188—88.
Gilbert, Everett A., to Radio Frequency Laboratories, Inc. Gaussmeter. 3,248,645, 4–26–66, Cl. 324—45.
Gilbert, Everett E.: *See*—
Farah, Basil S., and Gilbert. 3,251,886.
Farah, Basil S., Gilbert, Jones, and Otto. 3,272,857.
Gilbert, Everett E., to Allied Chemical Corp. Insect chemosterilant. 3,247,055, 4–19–66, Cl. 167—30.
Gilbert, Everett E., to Allied Chemical Corp. Preparation of alkyl aryl sulfones. 3,250,812, 5–10–66, Cl. 260—607.
Gilbert, Everett E., to Allied Chemical Corp. Tetrachlorocyclopropene fumigant. 3,251,735, 5–17–66, Cl. 167—39.
Gilbert, Everett E., to Allied Chemical Corp. Isothiouronium halide nematocide. 3,268,392, 8–23–66, Cl. 167—22.
Gilbert, Everett E., to Allied Chemical Corp. Fluorochloropropane fumigants. 3,293,125, 12–20–66, Cl. 167—39.
Gilbert, Everett, E., to Allied Chemical Corp. Process of fumigation with thiazyl trifluoride. 3,294,633, 12–27–66, Cl. 167—39.
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Gilbert, Everett E., and P. Lombardo, to Allied Chemical Corp. Adducts of decachloroactahydro-1,3,4-metheno-2H-cyclobuta(cd) pentalen-2-one with amines and alcohols. 3,240,808, 3–15–66, Cl. 260—563.
Gilbert, Everett E., J. A. Otto, and J. J. Donleavy, to Allied Chemical Corp. Halo-substituted vinyl phosphate pesticides. 3,259,542, 7–5–66, Cl. 167—22.
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Gilbert, Everett E., and E. J. Rumanowski, to Allied Chemical Corp. Preparation of alkanoic thioamides. 3,274,248, 9–20–66, Cl. 260—551.
Gilbert, Everett E., and P. Lombardo, to Allied Chemical Corp. Malonic acid ester adducts of decachlorooctahydro-1,3,4-metheno-2H-cyclobuta (cd)pentalen-2-one. 3,278,579, 10–11–66, Cl. 260—468.

Gilbert, Everett E., and E. J. Rumanowski, to Allied Chemical Corp. Preparation of substituted dioxolanes from perhaloacetone and an epoxide. 3,285,936, 11–15–66, Cl. 260—340.9.

Gilbert, Frank U. S., to Cleveland Cleaner & Paste Co. Can seaming means. 3,238,908, 3–8–66, Cl. 113—26.

Gilbert, George B.: *See*—
Rogers, William H., Gilbert, G. B. and A. G., and, Dinarello. 3,229,620.

Gilbert, George J., and P. W. Schumacher, Jr., to Reed Roller Bit Co. Lubricator for drill bit. 3,230,020, 1–18–66, Cl. 308—8.2.

Gilbert, Gerald: *See*—
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Gilbert, Gilbert C., and J. A. Willcox, to Beloit Corp. Method of perforating an article. 3,240,091, 3–15–66, Cl. 83—50.

Gilbert, Gilbert C., and J. A. Willcox, to Beloit Corp. Method and apparatus for machining belts. 3,286,563, 11–22–66, Cl. 83—5.

Gilbert, Jack J., to J. B. Anderson Co., Inc. Automatic machines for cutting off and collecting parts of magazines. 3 234,833. 2–15–66, Cl. 83—107.

Gilbert, John F. Hydraulic pressure compensating means for internal combustion engine systems. 3,232,182, 2–1–66, Cl. 92—13.

Gilbert, John S. Handbag with changeable covers. 3,234,-985, 2–15–66, Cl. 150—29.

Gilbert, John W.: *See*—
Brinkley, Amiel W., Jr., Mabrey, and Gilbert. 3,294,623.

Gilbert, Lawrence L., to Aerojet-General Corp. Method for strengthening iron base alloys. 3,255,051, 6–7–66, Cl. 148—12.1.

Gilbert, Leland G., J. G. Johnson, and W. W. Grauerholz, to Deere & Co. Logging tractor bumper 3,265,428, 8–9–66, Cl. 293—1.

Gilbert, Lyle G.: *See*—
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Gilbert, Lyle G., and T. V. De Agostino, to National Electric Welding Machines Co. Cross wire locating device. 3,276,-304, 10–4–66, Cl. 83—150.

Gilbert, Lyman F., to Combustion Engineering, Inc. Flame detector cooling means. 3,241,595, 3–22–66, Cl. 158—28.

Gilbert, Lyman F., to Combustion Engineering, Inc. Flame detector system using a lightly loaded glow discharge detector tube. 3,286,093, 11–15–66, Cl. 250—83.6.

Gilbert, Lyman F., to Combustion Engineering, Inc. Flame defector system responsive to spike produced by townsend avalanche of glow discharge tube. 3,286,185, 11–15–66, Cl. 328—6.

Gilbert, Lynford W., and A. J. Budden, to Ex-Cell-O Corp. Machine tool. 3,237,486, 3–1–66, Cl. 77—1.

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Schick, Henry W. 3,251,023.

Gilbert, Nathan: *See*—
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Gilbert, Robert R., to The Presray Corp. Rotating sling. 3,253,851, 5–31–66, Cl. 294—67.

Gilbert, Sam, to Kaiser Gypsum Co., Inc. Metal stud system for supporting non-load bearing construction materials. 3,270,472, 9–6–66, Cl. 52—348.

Gilbert, Stanley A., and H. Reintjes, to Petrocarb, Inc. Process and apparatus for pneumatic conveyance of solids. 3,230,016, 1–18–66, Cl. 302—53.

Gilbert, Vincent C. Electrical coil construction employing pressure sensitive adhesive. 3,271,717, 9–6–66, Cl. 336—192.

Gilbert, Walter W., and T. J. Swoboda, to E. I. du Pont de Nemours and Co. Magnetic materials and their preparation. 3,241,952, 3–22–66, Cl. 75—134.

Gilbert, Zelmer A. Shim construction. 3,276,181, 10–4–66, Cl. 52—633.

Gilbertson, Dennis L.: *See*—
Salgado, Alvaro, and Gilbertson. 3,254,081.

Gilbertson, John E.: *See*—
Jenson, Kenneth S., Gilbertson, and Chamberlain. 3,251,290.

Gilbertson, John E. Lawnmower device. 3,226,920, 1–4–66, Cl. 56—255.

Gilbertson, Lynn A., to Honeywell Inc. Electronic gas cleaner having an improved electrical connection. 3,237,383, 3–1–66, Cl. 55—139.

Gilbertson, Marvin L., and G. R. Maidl. Anchor. 3,285,218, 11–15–66, Cl. 114—207.

Gilbertson, Oswald L.: *See*—
Bullard, John K., Gilbertson, and Strube. 3,282,096.

Gilbertson, Warren L., and D. D. Abernathy, to United States of America, Navy. Series spark gap initiator. 3,245,353, 4–12–66, Cl. 102—70.2.

Gilbo, Charles F.: *See*—
Bartell, Robert P., Gilbo, and Sawyer. 3,285,800.

Gilboe, Daniel P., and L. C. Adolphson, to Archer-Daniels-Midland Co. Method of forming hot press plywood and product. 3,274,042, 9–20–66, Cl. 156—328.

Gilbride, Andrew J.: *See*—
Alderman, Leon D., Dorosz, Gilbride, Ripley, Stanton, and Stewart. 3,235,893.

Gilch, Heinrich G., to Union Carbide Corp. Process for producing p-xylylene-containing compositions. 3,280,202, 10–18–66, Cl. 260—668.

Gilchrist, Alexander J.: *See*—
Chenoweth, Dean B., Mommsen, Clark, and Gilchrist. 3,246,821.

Gilchrist, Allan E., to Ford Motor Co. Electropainting process and paint binder concentrate composition therefor. 3,230,162, 1–18–66, Cl. 204—181.

Gilchrist, Allan E., to The Glidden Co. Electrodeposition of acidic resin with subsequent anodic electrolysis in dispersion containing metal treating oxyanions. 3,290,235, 12–6–66, Cl. 204—181.

Gilchrist, Edgar S., to Robertshaw Controls Co. Guard circuit for transmission lines. 3,235,856, 2–15–66, Cl. 340—187.

Gilchrist, Edgar S., to Consolidated Electrodynamics Corp. Universal instrumentation D.C. amplifier. 3,247,461, 4–19–66, Cl. 330—9.

Gilchrist, Edgar S., to Consolidated Electrodynamics Corp. Finely adjusted signal calibrating circuit. 3,252,102, 5–17–66, Cl. 328—149.

Gilchrist, Edgar S., to Consolidated Electrodynamics Corp. Apparatus for sequentially amplifying a plurality of input potentials. 3,256,492, 6–14–66, Cl. 330—108.

Gilchrist, James G., Jr., to International Minerals & Chemical Corp. Fire control agent. 3,247,107, 4–19–66, Cl. 252—2.

Gilchrist, Ralph E., to Phillips Petroleum Co. Heat stimulation of fractured wells. 3,227,211, 1–4–66, Cl. 166—11.

Gilchrist, Ralph E., to Phillips Petroleum Co. Ignition and combustion of carbonaceous strata. 3,270,813, 9–6–66, Cl. 166—11.

Gilchrist, Ralph E., and R. H. Langenheim, to Phillips Petroleum Co. Programming. 3,270,812, 9–6–66, Cl. 166—9.

Gilchrist, Reginald S.: *See*—
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Cullen, Roy H., Elliott, Aker, and Gilchrist. 3,291,230.

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Jacoby, Hans. 3,292,466.

Gilders, Arthur W.: *See*—
Ford, Harold H., and Gilders. 3,265,879.

Gildone, Anthony M. Valve connector. 3,289,700, 12–6–66, Cl. 137—614.04.

Giles, Aquila C., to Trans-Lux Corp. Reproducing tape. 3,293,682, 12–27–66, Cl. 15—210.

Giles, Walter B., and H. Stern, to General Electric Co. Drag reduction in hydraulic equipment. 3,290,883, 12–13–66, Cl. 60—55.

Gilfillan, Paul M., to Bank of Louisville-Royal Bk. & Tr. Co. Laminated structure and method. 3,249,482, 5–3–66, Cl. 156—322.

Gilford Instrument Laboratories, Inc.: *See*—
Gilford, Saul R., and Emary. 3,289,527.

Gilford, Saul R., and R. J. Emary, to Gilford Instrument Laboratories, Inc. Flow-through cell including means for providing a uniform flow pattern therethrough. 3,289,527, 12–6–66, Cl. 88—14.

Gilgore, William H., and W. H. Royer, to Read Corp. Oven heating system. 3,272,156, 9–13–66, Cl. 107—57.

Gilich, Heinrich G.: *See*—
Orttung, Frederick W., Jr., Kluiber, Gilch, and Wheelwright. 3,240,722.

Gililland, Melvin E.: *See*—
Daignault, Louis G., Moore, Antalek, and Gililland. 3,228,884.

Gililland, Melvin E., J. R. Zoller, and L. R. Burns, to Texaco Inc. Corrosion resistant compositions. 3,227,533, 1–4–66, Cl. 44—66.

Giljohann, Robert H.: *See*—
Wilson, Donald E., Graham, Giljohann, and Foss. 3,248,-231.

Gilkerson, Francis M. Laminated insole. 3,233,348, 2–8–66, Cl. 36—44.

Gilkerson, Francis M. Sponge rubber filler for shoes. 3,252,-231, 5–24–66, Cl. 36—2.5.

Gilkerson, Francis M. Method of making form fitting shoe structure. 3,266,073, 8–16–66, Cl. 12—142.

Gilkerson, Francis M. Form fitting insole for shoes. 3,266,-178, 8–16–66, Cl. 36—43.

Gilkey, John W., and R. W. Alsgaard, to Dow Corning Corp. Composition and method of treating fabrics. 3,268,465, 8–23–66, Cl. 260—29.1.

Gilkey, Russell: *See*—
Caldwell, John R., and Gilkey. 3,236,685.
Caldwell, John R., and Gilkey. 3,240,735.
Caldwell, John R., and Gilkey. 3,287,082.
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Martin, James C., and Gilkey. 3,254,061.
Martin, James C., and Gilkey. 3,260,736.

Gill, Andrew S., Jr.: *See*—
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Gill, Donald W., to The Frank F. Taylor Co. Sleeper-walker-stroller with adjustable seat, backrest and brake mechanism. 3,248,125, 4–26–66, Cl. 280—47.4.

Gill, Edwin R., Jr. Sign construction. 3,237,331, 3–1–66, Cl. 40—137.

Gill, Edwin R., Jr., to K. W. Flocks. Method of making sheet material. 3,274,041, 9–20–66, Cl. 156—292.

Gill, Harlan W., to Huther Bros. Saw Mfg. Co., Inc. Saw grinder. 3,279,282, 10–18–66, Cl. 76—40.

Gill, Jack M., and W. G. Juhl, to Monsanto Co. Dealkylation of alkyl-substituted aromatics. 3,284,527, 11–8–66, Cl. 260—672.

Gill, John B. Arbor construction for mounting pipe tools. 3,234,826, 2–15–66, Cl. 82—4.

Gill, John B. Tool for closing and opening a metal tube. 3,260,098, 7–12–66, Cl. 72—416.

Gill, John B. Apparatus for closing and opening a metal tube. 3,266,287, 8–16–66, Cl. 72—416.

Gill, John B., and A. W. Leach, said Leach assor. to said Gill. Machine for cutting pipe from the inside thereof. 3,243,-879, 4–5–66, Cl. 30—103.

Gill, John E., to Unidare Ltd. Overhead cable systems. 3,234,319, 2–8–66, Cl. 174—43.

Gill, John W., to American Optical Co. Method and apparatus for making lens patterns. 3,228,070, 1–11–66, Cl. 22—57.

Gill, Mason E., and E. D. Langley, to Olin Mathieson Chemical Corp. Electric squib device with insulated resistance bridge wire. 3,249,047, 5–3–66, Cl. 102—28.

Gill, Raymond E.: *See*—
Doversberger, Richard A., and Gill. 3,242,770.

Gill, Reva. Double button. 3,262,170, 7–26–66, Cl. 24—105.

Gill, Robert A., L. D. Campbell, and R. V. Sickler; said Campbell and said Sickler assor. to said Gill. Drapery actuator. 3,269,454, 8–30–66, Cl. 160—331.

Gill, Robert F., Jr.: *See*—
Anthony, Myron L., and Gill. 3,226,820.

Gill, Robert F., L. D. Tote, and J. Keverian, to General Electric Co. Alloys. 3,291,655, 12–13–66, Cl. 148—36.

Gill, Thomas H.: *See*—
Rickard, Donn J., Holbrook, and Gill. 3,250,210.

Gill, Vincent A., to General Pneumatic Corp. Valved coupling. 3,276,474, 10–4–66, Cl. 137—614.03.

Gill, Wilbur, 30% to O. N. Greene. Piston type dispenser. 3,248,014, 4–26–66, Cl. 222—137.

Gillam, Edward D., to Comly-Gillam Carton Corp. Slide-top dispensing container. 3,229,888, 1–18–66, Cl. 229—17.

Gillam, Kenneth H., and L. C. Knight. Automatic electrical target apparatus. 3,233,904, 2–8–66, Cl. 273—102.2.

Gillard, Paul, to Matec-Holding AG. Sound-absorbing and sealing sheet with bituminous base and containing magnetized particles. 3,243,374, 3–29–66, Cl. 252—62.

Gillberg, Arne G. Device in a water tap. 3,262,465, 7–26–66, Cl. 137—329.2.

Gillemot, George W., to GFC Engineering and Sales Corp. Process and apparatus for injecting fluids into a sheathed cable. 3,290,194, 12–6–66, Cl. 156—48.

Gillen, Howard C.: *See*—
Laws, James O., Bloom, Hamilton, Robelotto, Dumas, Rohrberg, and Gillen. 3,265,852.

Gillenwater, Hagen B., P. K. Harein, and G. Eason, to United States of America, Agriculture. Apparatus for dispensing insecticides. 3,290,112, 12–6–66, Cl. 21—110.

Gilleo, Mathias A.: *See*—
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Giller, Arnold, to Chemische Werke Albert. Process for the cross-linking of unsaturated copolymers and ethylene-propylene terpolymers. 3,287,440, 11–22–66, Cl. 260—846.

Giller, Arnold A., to Chemische Werke Albert. Process for vulcanizing mixtures of rubbers and products thereof. 3,-250,733, 5–10–66, Cl. 260—5.

Giller, Arnold A., to Chemische Werke Albert. Vulcanization process. 3,277,209, 10–4–66, Cl. 260—845.

Gillespie, Daniel C.: *See*—
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Gillespie, Daniel C., to Borg-Warner Corp. Magnet retainers for a dynamoelectric machine. 3,258,622, 6–28–66, Cl. 310—154.

Gillespie, Herbert L.: *See*—
Clayton, Serge D., Gillespie, Morgan, and Olsen. 3,295,-096.

Gillespie, Joseph D., to Hydromation Engineering Co. Flexible chute. 3,258,096, 6–28–66, Cl. 193—25.

Gillespie, Lawrence H., Jr., to E. I. du Pont de Nemours and Co. Polyoxymethylene pipe structure coated with a layer of polyethylene. 3,255,781, 6–14–66, Cl. 138—140.

Gillespie, Richard P., to Berlin & Jones Co. Plastic business or calling card dispenser. 3,286,823, 11–22–66, Cl. 206—39.

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Cockeram, Herbert S. 3,267,059.
Cockeram, Herbert S. 3,267,088.
Skeist, Irving, Martel, and Kuebler. 3,228,782.

Gillespie, Warren, Jr., to United States of America, National Aeronautics and Space Administration. Alleviation of divergence during rocket launch. 3,262,655, 7–26–66, Cl. 244—1.

Gillett, Thomas W., and A. W. H. Banyard; said Banyard assor. to The Loewy Engineering Co. Ltd., and said Gillett assor. to Messrs. William McGeoch & Co. Ltd. Fluid pressure operated switch with liquid cooling. 3,244,833, 4–5–66, Cl. 200—82.

Gillette Co., The: *See*—
Davis, Charles H. 3,246,818.
Forsberg, Frank. 3,254,971.
Hobbs, Maynard R. 3,283,665.
Jenkins, Aubrey D., and Wolfram. 3,248,376.
Jenkins, Aubrey D., and Wolfram. 3,256,154.
Jensen, Carl C., and Mittleman. 3,230,144.
Laden, Karl. 3,235,457.
Menkart, John, and Ricciuti. 3,250,680.
Nissen, Warren I. 3,262,198.
Nissen, Warren I. 3,262,337.
Samsing, Rolf A. 3,239,177.
Samsing, Rolf A. 3,265,216.

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Cardinet, Guy, and Faudemay. 3,248,987.

Gillette, Lavergne W., to Shaw-Walker Co. Check file guides. 3,249,112, 5–3–66, Cl. 129—16.7.

Gillette, La Vergne W., to The Shaw-Walker Co. Check dispenser. 3,269,549, 8–30–66, Cl. 211—50.

Gillette, Roger B., H. E. Snyder, and R. J. Tallent, to The Boeing Co. Solar energy converter. 3,232,795, 2–1–66, Cl. 136—89.

Gillham, Helen C.: *See*—
Grayson, Martin. Sherr, Gillham, and Castellion. 3,294,-870.

Gillham, Helen C., and A. E. Sherr, to American Cyanamid Co. Diphosphine oxides and diphosphine sulfides as flame-retardant agents for thermoplastic products. 3,284,543, 11–8–66. Cl. 260—887.

Gillham, John K.: *See*—
Petropoulos, John C., and Gillham. 3,277,065.

Gillick, Laurance H., J. Menendez, and A. P. Stikkers, to Vapor Corp. Heating and ventilating system for a vehicle. 3,237,545, 3–1–66, Cl. 98—10.

Gillick, Thomas J., Jr., H. G. Hencken, and A. C. Wrotnowski, to American Felt Co. Filter cartridge. 3,228,529, 1–11–66, Cl. 210—457.

Gillies, George A.: *See*—
Fremery, Maximilian I., and Gillies. 3,290,330.

Gillies, George M.: *See*—
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Gilligan, Patrick W. Garment with a pocket for a necktie or the like. 3,246,343, 4–19–66, Cl. 2—250.

Gilliland, Harry J., and R. J. Mollica, Jr., to General Motors Corp. Die and method for its manufacture. 3,228,650, 1–11–66, Cl. 249—116.

Gilliland, Howard C., to General Motors Corp. Speedometer cable access. 3,287,980, 11–29–66, Cl. 73—493.

Gilliland, Joseph L., and A. V. White, to Texas Instruments Inc. Step function generator. 3,283,176, 11–1–66, Cl. 307—88.5.

Gilliland, Malcolm T. Variable feed device and control therefor. 3,248,516, 4–26–66, Cl. 219—130.

Gilliland, Maurice G.: *See*—
Mitchell, Edward E., Gilliland, Fowler, and Seymour. 3,286,189.

Gilliland, Maxwell C., C. H. Single, and J. A. Brussolo, to Beckman Instruments, Inc. Iterative analog computer. 3,231,723, 1–25–66, Cl. 235—150.4.

Gilliland, Ralph G., to United States of America, Atomic Energy Commission. Brazing alloys for refractory metals. 3,293,741, 12–27–66. Cl. 29—494.

Gilliland, Robert E., D. K. MacQueen, and R. E. Dixon, to Phillips Petroleum Co. Production of ethylene, butadiene, carbon black feedstock and benzene from a cracked naphtha. 3,281,351, 10–25–66, Cl. 208—67.

Gilliland, William L. Nitrocompounds. 3,257,470, 6–21–66, Cl. 260—644.

Gillingham, Lee H., and W. C. Grau, Sr. Automobile defreezer unit. 3,232,287, 2–1–66, Cl. 126—271.1.

Gilliom, John W.: *See*—
Waters, Robert S., and Gilliom. 3,248,154.
Waters, Robert S., and Gilliom. 3,262,147.
Waters, Robert S., and Gilliom. 3,270,365.
Waters, Robert S., and Gilliom. 3,284,837.

Gillis, Donald M., 49% to Sam Greenebaum. Roofing. 3,232,-020, 2–1–66, Cl. 52—409.

Gillis, Edmund A., to The Cronite Co., Inc. Wiper for intaglio engraving presses. 3,264,982, 8–9–66, Cl. 101—164.

Gillis, Edward G., and W. I. Porter. Sine bar devices. 3,279,-081, 10–18–66, Cl. 33—174.

Gillis, Joseph D.: *See*—
Usko, Alexander J., and Gillis. 3,276,356.

Gillis, Marvin B.: *See*—
Smalter, Donald J., Crampton, and Gillis. 3,234,005.

Gillis, Marvin B., to International Minerals & Chemical Corp. Resolution of amino acid salts. 3,253,026, 5–24–66, Cl. 260—534.

Gillis, Randall, to Western Electric Co. Inc. Slotted oscillatory face plates for cable stranders. 3,263,397, 5–31–66, Cl. 57—34.

Gillis, Robert P., to Ingersoll-Rand Co. Impulse tool with bypass means. 3,283,537, 11–8–66, Cl. 64—26.

Gillison, James D., to Babcock Electronics Corp. De-spooling devices. 3,285,531, 11–15–66, Cl. 242—128.

Gillman, James G.: *See*—
Anderson, Donald V., and Gillman. 3,256,556.

Gillman Mfg. Co.: *See*—
Hansen, Warren T., and Wertheimer. 3,293,826.

Gillotti, Joseph A. Vehicle insect screen. 3,269,455, 8–30–66, Cl. 160—369.

Gilman, David M., to Graphic Equipment of Boston, Inc. Sheet stretcher. 3,255,540, 6–14–66, Cl. 38—102.91.

Gilman, Harold, M. Malow, and J. J. Kirman, to Halcon International, Inc. Process for preparation of ethylbenzene. 3,255,269, 6–7–66, Cl. 260—671.

Gilman, Harold, and J. J. Kirman, to Halcon International, Inc. Process for preparing styrene and recovery of ethylbenzene. 3,256,355, 6–14–66, Cl. 260—669.

Gilman, Louis: *See*—
Littmann, David, and Gilman. 3,243,886.

Gilman, Lucius G., and R. I. Lait, to Monsanto Research Corp. Solid polymeric solutions containing metal salts such as lithium perchlorate. 3,236,705, 2–22–66, Cl. 149—83.

Gilman Paper Co.: *See*—
Kimball, Benjamin. 3,293,724.

Gilman, Paul B., Jr., and R. W. Baxendale, to Eastman Kodak Co. Process for silver development of photopolymerization prints and print forming element therefrom. 3,236,644, 2–22–66, Cl. 96—29.

Gilman, Ralph: *See*—
Blayney, James L., and Gilman. 3,293,656.

Gilman, Robert J., to Radio Frequency Laboratories, Inc. Frequency discriminator. 3,260,942, 7–12–66, Cl. 325—349.

Gilman, Samuel, to United Data Control, Inc. Tape drive mechanism. 3,244,341, 4–5–66, Cl. 226—188.

Gilman, Samuel, to United Data Control, Inc. Magnetic tape cartridge. 3,265,817, 8–9–66, Cl. 179—100.2.

Gilman, Warren B., L. O. Goff, L. W. Porter, and E. W. Freeman, to S. D. Warren Co. Process for producing a high glass coated paper. 3,257,234, 6–21–66, Cl. 117—62.2.

Gilman, Wayne C., and J. R. Paradis, to W. R. Grace & Co. Packaging apparatus. 3,257,771, 6–28–66, Cl. 53—390.

Gilmer, Thomas E., Jr. Guidance system for land-working machinery. 3,235,023, 2–15–66, Cl. 180—79.

Gilmer, William C.: *See*—
Lovoy, Jacob P. 3,262,248.

Gilmont, Roger, to Roger Gilmont Instruments, Inc. Micrometer buret. 3,232,117, 2–1–66, Cl. 73—425.6.

Gilmont, Roger, to Roger Gilmont Instruments, Inc. Cartesian diver-type device. 3,261,207, 7–19–66, Cl. 73—403.

Gilmont, Roger, to Roger Gilmont Instruments, Inc. Micrometer buret. 3,273,763, 9–20–66, Cl. 222—390.

Gilmont, Roger, and W. R. Linton, to Kontes Glass Co. Pressure stopcock. 3,268,203, 8–23–66, Cl. 251—181.

Gilmont, Roger, Instruments, Inc.: *See*—
Gilmont, Roger. 3,232,117.
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Cook, Leonard W., Coutant, and Gilmore. 3,229,354.

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Boetcker, Carl H., Jewell, Lodge, and Gilmore. 3,257,556.

Gilmore, Frederick D., to Hyde Windlass Co., division of Bath Iron Works Corp. Hydraulic steering systems for ships. 3,259,095, 7–5–66, Cl. 114—150.

Gilmore, George W. Portable logging spar. 3,237,353, 3–1–66, Cl. 52—116.

Gilmore, Gerald D.: *See*—
Decker, Judson, and Gilmore. 3,244,574.

Gilmore, John F., to Bell Telephone Laboratories, Inc. Translator scaling circuit having ferromagnetic core means. 3,268,668, 8–23–66, Cl. 179—18.

Gilmore, Luard E. Window sash fastening means. 3,293,821, 12–27–66, Cl. 52—656.

Gilmore, Robert D.: *See*—
Kaufman, Richard D., and Gilmore. 3,276,573.

Gilmore, William: *See*—
Hansen, Oscar C., Pickles, and Gilmore. 3,229,955.

Gilmore, William J.: *See*—
Frese, Clarence A., and Gilmore. 3,258,989.

Gilmore, William J., to American Chain & Cable Co., Inc. Compacted stranded cable. 3,234,722, 2–15–66, Cl. 57—145.

Gilmore, William J., to American Chain & Cable Co., Inc. Method and apparatus for manufacturing roll-reduced stranded cable. 3,280,544, 10–25–66, Cl. 57—6.

Gilmore, William J., to American Chain & Cable Co., Inc. Flexible conduit assembly for welding apparatus. 3,281,571, 10–25–66, Cl. 219—130.

Gilmore, William J., and E. G. Schmidt, to American Chain & Cable Co., Inc. Shaft turning and steering apparatus. 3,286,544, 11–22–66, Cl. 74—483.

Gilmour, Alastair R.: *See*—
Hammond, Robert S., Gilmour, and Richardson. 3,266,756.

Gilmour, Robert A.: *See*—
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Gilmoure, Harold J., and R. M. Strachan, to Sales Promotion Products, Inc. Banner mounting apparatus. 3,263,356, 8–2–66, Cl. 40—125.

Gilpin, William C.: *See*—
Lynam, Thomas R., Walker, Nicholson, and Gilpin. 3,245,813.

Gilson, Brian J.: *See*—
Price, Murray K., and Gilson. 3,249,811.
Price, Murray K., and Gilson. 3,249,813.

Gilson, Hiram B.: *See*—
Shrubsall, Harry I., and Gilson. 3,291,955.

Giltner, Paul R. Time controlled automatic feed dispensing device for animals. 3,256,861, 6–21–66, Cl. 119—51.11.

Giltzow, James H.: *See*—
Bosland, James M., and Giltzow. 3,261,103.

Gilvary, John P.: *See*—
Bliss, Joseph F., Gilvary, and Castner. 3,247,131.

Ginaven, Marvin E., to The Bauer Bros. Co. Iris type valve. 3,288,056, 11–29–66, Cl. 100—98.

Ginder, John C. S., to United States Steel Corp. Joint seal. 3,246,434, 4–19–66, Cl. 52—189.

Gindroz, Francis H., Jr., to Electronic Specialty Co. Quick reversing mechanism. 3,290,951, 12–13–66, Cl. 74—68.

Ginell, Robert. Nuclear emission electrical generator. 3,290,522, 12–6–66, Cl. 310—3.

Ginevskaja, Inna A.: *See*—
Boorlakov, Alexandr I., Jubimov, Axenov, Zoobakov, Goodkov, Zheleznova, Chekin, Ginevskaja, Kookooshkin, and Goolin. 3,244,342.

Gingher, Carl E. Clothes hanger hold down clamp. 3,260,427, 7–12–66, Cl. 223—91.

Gingher, Carl E. Clothes hanger suspension device. 3,288,308, 11–29–66, Cl. 211—123.

Gingrande, Arthur: *See*—
Falanga, Bruno J., Gingrande, Marotta, Murabito, Russell, and Waddell. 3,263,304.

Gingras, Pierre, to Leeming-Miles Pharmaceuticals Inc. Hypodermic injection syringe. 3,270,743, 9–6–66, Cl. 128—215.

Gingras, Robert F.: *See*—
Benoit, Roland A., and Gingras. 3,256,534.

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Ginsberg, Alfred E.: *See*—
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Ginsberg, Arthur, to Royal London, Ltd. Electro-mechanical toy bank. 3,289,347, 12–6–66, Cl. 46—4.

Ginsberg, Arthur, to Royal London, Ltd. Pencil sharpener. 3,289,641, 12–6–66, Cl. 120—96.

Ginsberg, Arthur, to Royal London, Ltd. Combined agitator and fluid mover. 3,289,897, 12–6–66, Cl. 222—239.

Ginsberg, Julius A., to American Radiator & Standard Sanitary Corp. Sildable terminal contactor. 3,289,044, 11–20–66, Cl. 317—99.

Ginsburg, Yale. Self-locking nut. 3,255,795, 6–14–66, Cl. 151—7.

Ginter, Emery W. Camera lens shade. 3,269,289, 8–30–66, Cl. 95—11.

Gintoft, Edward J. Advertising signs. 3,254,434, 6–7–66, Cl. 40—129.

Ginzburg, Mejer, to New York University. Ambulating device for paraplegics. 3,249,368, 5–3–66, Cl. 280—219.

Giolito, Silvio L.: *See*—
Baker, Don R., Giolito, and Arneklev. 3,268,391.
Szabo, Karoly, Giolito, and Williamson. 3,275,506.

Giolito, Silvio L., S. Herbstman, and A. F. Kopacki, to Stauffer Chemical Co. Poly-α-olefin compositions containing organophosphorus compounds as stabilizers. 3,264,257, 8–2–66, Cl. 260—45.95.

Giolitti, Nicolo: *See*—
Gassino, Teresio, and Giolitti. 3,260,128.

Giometti, Paul F.: *See*—
Digby, James J., Sabatini, and Giometti. 3,247,727.

Gionet, Alex J. Pillow case. 3,267,496, 8–23–66, Cl. 5—339.

Gionta, Edward C., to General Motors Corp. Retracting device. 3,291,416, 12–13–66, Cl. 242—107.

Giordano, Ames F., to International Telephone and Telegraph Corp. Three dimensional-to-planar projection display. 3,281,519, 10–25–66, Cl. 35—10.2.

Giordano, Roger F., ½ to Promecan Sisson-Lehmann, Societe Anonyme. Bending press. 3,241,350, 3–22–66, Cl. 72—412.

Giordano, Roger F. Shearing machine. 3,242,786, 3–29–66, Cl. 83—380.

Giordano, Roger F. Guillotines for shearing plate materials. 3,260,145, 7–12–66, Cl. 83—391.

Giordano, Roger F. Shearing apparatus having yieldable work-stop means. 3,267,788, 8–23–66, Cl. 83—467.

Giordano, Roger F. Shearing apparatus with gauge stops. 3,279,293, 10–18–66, Cl. 83—467.

Giordmaine, Joseph A., and D. A. Kleinman, to Bell Telephone Laboratories, Inc. Efficient optical harmonic generation, parametric amplification, oscillation and modulation. 3,234,475, 2–8–66, Cl. 330—4.6.

Giorgetti, Alessandro: *See*—
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Giot, Maurice H. F., B. Jobart, C. R. Fevrot, and J. Meyer, to S.A.T.A.M. Societe Anonyme pour Tous Appareillages Mecaniques and Sud-Aviation Societe National de Constructions Aeronautiques. Multiplication checking apparatus. 3,243,583, 3–29–66, Cl. 235—153.

Giot, Maurice H. F., B. Jobart, C. R. Fevrot, and J. Meyer, to S.A.T.A.M. Societe Anonyme pour tous Appareillages Mechaniques and Sud-Aviation Societe National de Constructions Aeronautiques. Computing apparatus for performing multiplication and division. 3,255,340, 6–7–66, Cl. 235—160.

Giotti, Jon A.: *See*—
Schwabe, William E., and Giotti. 3,247,714.

Giovagnoli, Paul S. Baseball pitching machine. 3,252,458, 5–24–66, Cl. 124—7.

Giovanazzi, John H., and D. F. Collins, to Parker-Hannifin Corp. Tube coupling. 3,264,012, 8–2–66, Cl. 285—22.

Giovannetti Machine S.p.A.: *See*—
Stefanutti, Sergio. 3,265,218.

Giovansanti, Rudolph, F. J. Spinelli, and M. Cuisinier. Portable auto washing device. 3,260,463, 7–12–66, Cl. 239—72.

Giovinazzo, Joe L., to Cambria Spring Co. Spring suspension system for a vehicle. 3,257,123, 6–21–66, Cl. 280—124.

Gippin, Morris, to The Firestone Tire & Rubber Co. Production of cis-1,4-polybutadiene with a higher fatty acid salt of cobalt-dihydrocarbon aluminum halide-aluminum catalyst. 3,284,431, 11–8–66, Cl. 260—94.3.

Gipson, Donald H., to United States of America, Atomic Energy Commission. Explosive line wave generator. 3,242,863, 3–29–66. Cl. 102—22.

Giralt, Georges: *See*—
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Girard, Donald A. Tube clamps. Re. 26,011, 5–3–66, Cl. 248—68.

Girard, Jean R. M. Light flash generator device with plural storage condensers. 3,267,328, 8–16–66, Cl. 315—163.

Girard, Leroy M. Kit for making floral arrangements. 3,243,895, 4–5–66, Cl. 35—16.

Girard, Peter F., to The Ryan Aeronautical Co. Flexible wing with pitch stabilizing means. 3,269,674, 8–30–66, Cl. 244—48.

Girard, Peter F., to The Ryan Aeronautical Co. Center body pivotally retractable rotor. 3,273,655, 9–20–66, Cl. 170—160.12.

Girard, Peter F., to The Ryan Aeronautical Co. Propeller-rotor high lift system for aircraft. 3,273,827, 9–20–66. Cl. 244—42.

Girard, Raymond G. Filtering means for an aquarium. 3,247,826, 4–26–66, Cl. 119—5.

Girard, Raymond G. Apparatus for rearing tropical fish. 3,255,731, 6–14–66, Cl. 119—3.

Girard, Theodore A.: *See*—
Klein, David X., and Girard. 3,236,623.
Klein, David X., and Girard. 3,236,625.
Klein, David X., and Girard. 3,253,903.
Klein, David X., and Girard. 3,282,991.

Girardi, Antonio L. Boom and boom actuating mechanism. 3,236,393, 2–22–66, Cl. 212—55.

Girardi, Antonio L. Extensible boom and belt for orchard apparatus. 3,244,299, 4–5–66, Cl. 214—83.26.

Girardi, Antonio L. Fruit receptacle for orchard apparatus. 3,251,446, 5–17–66, Cl. 193—7.

Girardi, Antonio L. Machine for harvesting fruit. 3,258,142, 6–28–66, Cl. 214—83.1.

Girardi, Antonio L. Lateral brace for orchard apparatus. 3,276,789, 10–4–66, Cl. 280—150.

Girardi, Antonio L. Extensible conveyor. 3,294,216, 12–27–66, Cl. 198—139.

Girault, Pierre: *See*—
Allais, André, and Girault. 3,243,443.
Allais, Andre, and Girault. 3,287,398.

Girden, Barney B. Apparatus for exchanging coastal tidal waters with fresh sea water. 3,289,417, 12–6–66, Cl. 61—1.

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Mayland, Bertrand J., and Brandon. 3,251,755.

Girdner, William I.: *See*—
Selsted, Walter T., and Girdner. 3,270,935.
Selsted, Walter T., and Girdner. 3,270,936.

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Boadle, Campbell D. 3,266,585.
Brown, Peter W. 3,273,675.
Clamp, David W. L. 3,260,320.
Cope, Matthew A. 3,262,333.
Davies, Teuan G. 3,247,562.
Dudley, John T. 3,245,501.
Eaton, Maurice B. 3,285,674.
Edwards, Gordon J., Thompson, and Senkowski. 3,273,673.
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Hambling, Stewart K., and Brown. 3,245,500.
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Harrison, Anthony W. 3,231,051.
Harrison, Anthony W. 3,231,052.
Harrison, Anthony W. 3,236,336.
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Harvey, Dennis F. 3,262,273.
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Rollason, Dennis W. 3,242,676.
Taft, Philip A. 3,237,411.
Walker, Stanley. 3,239,033.
Wells, Kenneth J. 3,260,332.
Wilson, Alexander J. 3,239,034.
Wilson, Alexander J. 3,291,537.
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Girodin, Marius G. H. Wabbler mechanism. 3,263,513, 8–2–66, Cl. 74—60.

Girone, Joseph M.: *See*—
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Girotti, Pier L., and E. Cinelli, to SNAM-Societa per Azioni. Process for extracting high-purity aromatic hydrocarbons from a hydrocarbonaceous mixture. 3,262,875, 7–26–66, Cl. 208—324.

Giroux, Alexander L., to West Virginia Pulp and Paper Co. Package wrapper. 3,263,897, 8–2–66. Cl. 229—40.

Giroux, Paul H., and R. J. Urquhart, to International Business Machines Corp. Apparatus for transferring data. 3,274,559, 9–20–66, Cl. 340—172.5.

Girsberger, Arthur, to Contraves A.G. System for guiding a missile toward a moving target. 3,233,847, 2–8–66, Cl. 244—14.

Girton, William Z., to The C. M. Kemp Mfg. Co. Recirculating immersion heater. 3,266,485, 8–16–66, Cl. 126—360.

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Mergen, Alfred F. 3,272,569.
Senger, Werner I. 3,252,332.
Zenk, Robert R. 3,272,570.

Gisiger, Ernst: *See*—
Kesselring, Fritz, and Gisiger. 3,257,531.

Gisiger, Ernst, to Siemens-Schuckertwerke Aktiengesellschaft. Compressed-gas circuit interrupter. 3,253,107, 5–24–66, Cl. 200—148.

Gisinger, Anton, to Schwabische Formdrehteile G.m.b.H. Spinning or twisting ring. 3,236,040, 2–22–66, Cl. 57—119.

Gist, William B., Jr., to General Electric Co. Fluid mixing apparatus for turbofan engines. 3,289,413, 12–6–66, Cl. 60—263.

Gister, Sidney: *See*—
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Gitchel, Wayne B., C. A. Hoffman, and E. W. Schoeffel, to Sterling Drug, Inc. Sewage sludge treatment process. 3,272,740, 9–13–66, Cl. 210—63.

Gitchell, Wilbur C. Bolt actions for rifles. 3,253,362, 5–31–66, Cl. 42—16.

Gith, Walter: *See*—
Wilms, Hans-Gunther, Kamp, and Gith. 3,289,957.

Gith, Walter, to W. Reiners. Device for accelerated switch release by mechanical contacts, particularly yarn guards in textile machinery. 3,255,385, 6–7–66, Cl. 317—151.

Gith, Walter, to W. Reiners. Apparatus for checking of travelling yarn in textile machinery. 3,258,824, 7–5–66, Cl. 28—64.

Gith, Walter, and H. Raasch, to R. Walter. Method for testing the yarn quality of multi-frame spinning operations. 3,263,499, 8–2–66, Cl. 73—160.

Githens, Samuel E., Jr., and H. Wyle, to North American Aviation, Inc. Truncated parallel multiplication. 3,290,493, 12–6–66, Cl. 235—164.

Gitlin, Robert M., to American Aerospace Controls, Inc. Angular error compensating device. 3,252,348, 5–24–66, Cl. 74—63.

Gits Bros. Mfg. Co.: *See*—
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Andresen, Raymond H., and Glut. 3,276,780.
Gits, Remi J. 3,288,474.
Gits, Remi J., and Andresen. 3,278,191.

Gits, Jules C. Molded articles and methods of making same. 3,240,385, 3–15–66, Cl. 220—116.

Gits, Jules C. Molded articles and methods of making same. 3,245,715, 4–12–66, Cl. 297—59.

Gits, Jules P. Molded articles and methods of making same. 3,227,000, 1–4–66, Cl. 74—552.

Gits, Jules P. Method of making three dimensional molded articles. 3,246,066, 4–12–66, Cl. 264—132.

Gits, Jules P. Flashlight and switch therefor. 3,264,464, 8–2–66, Cl. 240—10.67.

Gits, Remi J., to Gits Bros. Mfg. Co. Bellows seal structure. 3,288,474, 11–29–66, Cl. 277—88.

Gits, Remi J., and R. H. Andresen, to Gits Bros. Mfg. Co. Shaft seal. 3,278,191, 10–11–66, Cl. 277—40.

Gitten, Lawrence J.: *See*—
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Gitten, Lawrence J., and N. D. Newby, to Bell Telephone Laboratories, Inc. Memory array for telephone offices. 3,231,870, 1–25–66, Cl. 340—174.

Gittins, Howell B.: *See*—
Broom, Horace S., and Gittins. 3,257,913.

Gittus, John H., to United Kingdom Atomic Energy Authority. Nuclear reactor fuel elements. 3,262,858, 7–26–66, Cl. 176—73.

Gittus, Thomas W., to Toledo Scale Corp. Weighing scale with projected information correlated with calibrated selection knob. 3,279,551, 10–18–66, Cl. 177—178.

Giudici, Davide, and M. Roselli. Process for preparing bulked yarns. 3,228,180, 1–11–66, Cl. 57—157.

Giuffre, Anthony A. Hair dryers. 3,263,342, 8–2–66, Cl. 34—76.

Giuffrida, Anthony J., to Ionics, Inc. Magnetite-stabilised lead anode. 3,294,667, 12–27–66, Cl. 204—290.

Giuffrida, Philip, to Electronics Corp. of America. Combustion control apparatus. 3,238,423, 3–1–66, Cl. 317—148.5.

Giuffrida, Philip, to Electronics Corp. of America. Control apparatus. 3,263,730, 8–2–66, Cl. 158—28.

Giuffrida, Philip, to Electronics Corp. of America. Combustion control system. 3,266,551, 8–16–66, Cl. 158—28.

Giuffrida, Philip, and J. Pratt, to Electronics Corp. of America. Flame detector system using an ultraviolet detector of the avalanche discharge type. 3,283,154, 11–1–66, Cl. 250—83.6.

Giuliano, Michael N., and G. Strull, to Westinghouse Electric Corp. Semiconductor switch device of controlled rectifier type responsive to approximately equal gate signals of either polarity. 3,284,639, 11–8–66, Cl. 307—88.5.

Giuliano, Vincent E., P. E. Jones, Jr., G. E. Kimball, R. F. Meyer, and B. A. Stein, to Arthur D. Little Inc. Character recognition apparatus using two-dimensional density functions. 3,292,148, 12–13–66, Cl. 340—146.3.

Giulie, Joe D.: *See*—
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Giulie, Joe D., L. P. Lazzarini, and C. F. Peasley, to Illumitronic Systems Corp. Coil winding machine. 3,231,936, 2–1–66, Cl. 18—19.

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Giusti, Aniceto L., Jr., and E. J. Opersteny, to Monsanto Co. Adjustable limit stop for high pressuer valve. 3,245,325, 4–12–66, Cl. 92—13.

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Baccaredda, Mario, Butta, and Giusti. 3,294,750.

Giusti, Ralph F. Multi-purpose saw attachment. 3,286,748, 11–22–66, Cl. 144—238.

Giusti, Theodore L., and N. Moreau, to Corning Glass Works. Article transfer apparatus. 3,277,994, 10–11–66, Cl. 198—31.

Givaudan Corp., The: *See*—
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Wood, Thomas F., and Angiolini. 3,240,829.
Wood, Thomas F., and Angiolini. 3,283,016.
Wood, Thomas F., and Goodwin. 3,246,044.

Given, Edmund L. Room status indicator. 3,251,050, 5–10–66, Cl. 340—286.

Givler, John D., W. I. Barnes, and B. E. Wasisco, to Standard Screw Co. Crankcase ventilation control means. 3,263,699, 8–2–66, Cl. 137—480.

Givon, Bernd S.: *See*—
Chubb, Donald E., and Givon. 3,269,135.

Gjerde, Arne. Adjustable motor-driven underbench saw. 3,280,861, 10–25–66, Cl. 143—41.

Gjerde, Steinar K.: *See*—
Short, John H., Grinbergs, and Gjerde. 3,236,467.

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Gjesdal, Olav, to Owens-Illinois Glass Co. Carton construction. 3,253,768, 5–31–66, Cl. 229—37.

Gjesdahl, Donald J. Boot tree device. 3,237,226, 3–1–66, Cl. 12—120.5.

Glab, William T., to Caradco Inc. Methods of making lignocellulose products and products resulting therefrom. 3,241,991, 3–22–66, Cl. 106—163.

Glab, William T., to Caradco Inc. Lignocellulose product and method. 3,252,815, 5–24–66, Cl. 106—163.

Glabe, Elmer F.: *See*—
Jertson, Earl C., and Glabe. 3,234,027.

Glabisch, Dietrich, and H. Bartl, to Farbenfabriken Bayer Aktiengesellschaft. Stable, aqueous dispersions of ethylene copolymers. 3,265,654, 8–9–66, Cl. 260—29.6.

Glace, Georges, to Societe des Forges et Ateliers du Creusot. Safety brake. 3,292,743, 12–20–66, Cl. 188—127.

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Gladding, Edward K., and R. S.-Y. Ro., to E. I. du Pont de Nemours and Co. Slurry process for the preparation of hydrocarbon interpolymers. 3,291,780, 12–13–66, Cl. 260—80.5.

Gladding, Ernest P., to McGrath-Hamin, Inc. Finger ring having radially adjustable parts. 3,236,065, 2–22–66, Cl. 63—15.65.

Glade, William P. Asphalt dispenser. 3,227,055, 1–4–66, Cl. 94—39.

Glade, William P. Valve and wiping mechanism for asphalt dispensers. 3,280,710, 10–25–66, Cl. 94—39.

Gladestone, Roland A., to Honeywell Inc. Two mode pneumatic control system. 3,263,923, 8–2–66, Cl. 236—1.

Gladfelder, Alan D. Cup dispenser. 3,283,951, 11–8–66, Cl. 221—11.

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Gladieu, Henri, to Cit-Compagnie Industrielle des Telecommunications. Device for connecting circuit wires to connecting lugs. 3,229,728, 1–18–66, Cl. 140—123.

Gladrow, Elroy M., and R. J. De Feo, to Esso Research and Engineering Co. Cracking of hydrocarbon oils with a silica-alumina catalyst containing gallium oxide. 3,242,069, 3–22–66, Cl. 208—120.

Gladrow, Elroy M., and C. E. Thompson, to Esso Research and Engineering Co. Fuel cell electrode. 3,284,332, 11–8–66, Cl. 204—284.

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Glantz, Miriam. Holder for record sheets and record sheets therefor. 3,237,971, 3–1–66, Cl. 282—29.

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Glaser, Jame W., to The E. F. Hauserman Co. Ventilating ceiling. 3,255,687, 6–14–66, Cl. 98—40.

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Glasgow, Clarence O., to National Tank Co. Methods and means for treating oil well emulsions. 3,255,574, 6–14–66, Cl. 55—42.

Glasgow, Clarence O. Balanced valve head assembly. 3,282,296, 11–1–66, Cl. 137—625.34.

Glasgow, Clarence O., and C. A. Purser, to National Tank Co. Method and means for operating a pumping oil well. 3,247,798, 4–26–66, Cl. 103—6.

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Glass, Marvin I., G. J. Demeyer, and J. L. Pinsler, to Marvin Glass & Associates. Toy telephone and carrousel. 3,246,423, 4–19–66, Cl. 46—33.

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Glass, Marvin I., B. C. Meyer, and J. L. Pinsler, to Marvin Glass & Associates. Sound making device. 3,271,898, 9–13–66, Cl. 46—118.

Glass, Marvin I., G. A. Barlow, and B. C. Meyer, to Marvin Glass & Associates. Musical device. 3,290,979, 12–13–66, Cl. 84—104.

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Glassey, Eugene A., to Exactel Instrument Co. Servo-type pressure regulator. 3,232,092, 2–1–66, Cl. 73—4.

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Glatthorn, Raymond H., and F. W. Coffman, to Westinghouse Electric Corp. Arc welding apparatus and method of arc welding. 3,230,344, 1–18–66, Cl. 219—137.

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Glauser, James E., L. E. Morgan, and D. L. Frisk, to Pacific Scientific Co. Control line regulator. 3,277,738, 10–11–66, Cl. 74—501.5.

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Glenn, William E., Jr., to General Electric Co. Colored light projection system. 3,270,613, 9-6-66, Cl. 88—24.

Glenn, William E., Jr., to General Electric Co. Thermoplastic information storage system. 3,281,798, 10-25-66, Cl. 340—173.

Glenn, William E., Jr., to General Electric Co. Tension maintaining device for tape recorders. 3,289,961, 12-6-66, Cl. 242—55.12.

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Glennon, Joseph T. Gas valve service boxes which are ventilated and offer chimney-action for escaping gas. 3,267,957, 8-23-66, Cl. 137—364.

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Radtke, Otto T., and Sytz. 3,269,147.

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Glesner, William K., C. F. Thompson, and D. P. Kubisiak, to The Dow Chemical Co. Preparation of reinforced resins using glass fibers coated with plasticized vinyl chloride polymers. 3,274,136, 9-20-66, Cl. 260—23.5.

Gleve, Frank J., to United Engineering and Foundry Co. Method of and apparatus for handling workpieces. 3,260,346, 7-12-66, Cl. 198—31.

Glew, David N., to The Dow Chemical Co. Liquid fractionation process using gas hydrates. 3,231,630, 1-25-66, Cl. 260—676.

Glew, David N., to The Dow Chemical Co. Hydrate decomposition refrigeration process. 3,243,966, 4-5-66, Cl. 62—4.

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Glickman, Lester M., and R. W. Sonnenfeldt, to Radio Corp. of America. Control system. 3,264,397, 8-2-66, Cl. 340—172.5.

Glickman, Mannes N. Header for hermetically sealed electronic components. 3,284,438, 2-8-66, Cl. 317—234.

Glicksman, Martin, to General Foods Corp. Frozen gels of eucheuma. 3,250,621, 5-10-66, Cl. 99—131.

Glicksman, Martin, and R. E. Schachat, to General Foods Corp. Gelatin-type jelly dessert mix. 3,264,114, 8-2-66, Cl. 99—130.

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Glicksman, Milton, to Multi-Flex Seals, Inc. Conductive rubber heating mantle. 3,281,579, 10-25-66, Cl. 219—535.

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Glosten, Lawrence R., to Sea-Link Inc. Marine towing warpable thrust coupling. 3,257,986, 6-28-66, Cl. 114—235.

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Glover, Edward C. T. S., and E. T. Smith, to Eastman Kodak Co. Process for intensifying and fixing print-out images. 3,253,923, 5-31-66, Cl. 96—60.

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Glover, Stewart W., H. G. Bittle, and C. V. Semroc, to Pittsburgh Plate Glass Co. Substantially neutral electrophilic salts as curing catalyst for amide-aldehyde resins. 3,287,318, 11-22-66, Cl. 260—72.

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Gmitter, George T., to The General Tire & Rubber Co. Process for making polyurethane foams using trimethylamine as a catalyst and blowing agent. 3,285,866, 11-15-66, Cl. 260—2.5.

Gmitter, George T., and E. M. Maxey, to The General Tire & Rubber Co. Preparation of cellular isocyanate-polyamino compound reaction products. 3,256,213, 6-14-66, Cl. 260—2.5.

Gmitter, George T., E. V. Braidich, and M. Kallaur, to The General Tire & Rubber Co. Preparation of a polyurethane foam using a mixture of a divalent lead salt and a stannous salt as catalysts. 3,267,047, 8-16-66, Cl. 260—2.5.

Gnaedinger, John P. Material and method for pavement construction. 3,293,999, 12-27-66, Cl. 94—7.

Gniewek, Thomas T., Jr., and E. O. Kleinfelder, to E. I. du Pont de Nemours and Co. Production of titanium tetrachloride. 3,258,064, 6-28-66, Cl. 165—1.

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Gobhai, Cavas M., to The Foxboro Co. Fluid logic half subtractor. 3,243,115, 3–29–66, Cl. 235—201.

Gobhai, Cavas M., and E. Schoppe, Jr., to The Foxboro Co. Fluid logic arithmetic device. 3,243,114, 3–29–66, Cl. 235—201.

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Goble, Anthony G., to The British Petroleum Co. Ltd. Preparation of catalysts and to an isomerisation process in which said catalysts are employed. 3,248,449, 4–26–66, Cl. 260—683.2.

Goble, Anthony G., to The British Petroleum Co. Ltd. Preparation of catalysts and to an isomerisation process in which said catalysts are employed. 3,248,450, 4–26–66, Cl. 260—683.2.

Goble, Anthony G., to The British Petroleum Co. Ltd. Production of halogenated organic compounds. 3,268,603, 8–23–66, Cl. 260—658.

Goble, Anthony G., to The British Petroleum Co. Ltd. Hydrogenation of polycyclic aromatics. 3,285,984, 11–15–66, Cl. 260—667.

Goble, Anthony G., and J. V. Fletcher, to The British Petroleum Co. Ltd. Alkylation of hydrocarbons. 3,240,840, 3–15–66, Cl. 260—683.47.

Goble, Anthony G., and J. V. Fletcher, to The British Petroleum Co. Ltd. Alkylation of aromatic hydrocarbons. 3,248,442, 4–26–66, Cl. 260—671.

Goble, Anthony G., and M. J. Holmes, to The British Petroleum Co. Ltd. Isomerisation process. 3,248,448, 4–26–66, Cl. 260—683.2.

Goble, Anthony G., and J. B. Wilson, to The British Petroleum Co. Ltd. of Britannic House. Conversion of alkyl aromatic hydrocarbons. 3,251,898, 5–17–66, Cl. 260—672.

Goble, Anthony G., and J. V. Fletcher, to The British Petroleum Co. Ltd. Isomerisation and cracking of paraffinic hydrocarbons. 3,252,055, 5–24–66, Cl. 260—683.75.

Goble, Anthony G., and J. F. C. Nicholls, to The British Petroleum Co. Ltd. Process for the dehydrohalogenation of halogenated hydrocarbons. 3,268,602, 8–23–66, Cl. 260—654.

Goble, Anthony G., and J. F. C. Nicholls, to The British Petroleum Co. Ltd. Catalyst and isomerisation process using said catalysts. 3,281,490, 10–25–66, Cl. 260—683.2.

Goble, Anthony G., and P. A. Lawrence, to The British Petroleum Co. Ltd. Preparation of hydrocarbon conversion catalysts and their use in the hydrocracking of hydrocarbons. 3,293,170, 12–20–66, Cl. 208—111.

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Goble, Ralph W., to Engineering & Development Co. of Colorado. Fluid level control system. 3,229,167, 1–11–66, Cl. 317—132.

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Goble, Ralph W., to Engineering & Development Co. Method for drying and treating hair or other fibers via ultrasonics. 3,281,948, 11–1–66, Cl. 34—3.

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Gobran, Riad H., and P. Bernstein, to Thiokol Chemical Corp. Halo butenyl acrylates and polymers thereof. 3,255,163, 6–7–66, Cl. 260—86.1.

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Gobrecht, George W., to Walton Products, Inc. Automatic electric coupler. 3,277,421, 10–4–66, Cl. 339—48.

Goda, Susumu, H. Gondo, S. Hiyoshi, and A. Arima, to Yawata Iron & Steel Co., Ltd. Short-time heat-treating process for steels. 3,271,206, 9–6–66, Cl. 148—143.

Goda, Tadayuki, to Nippon Gosei Kagaku Kabushiki Kaisha. Method for producing new sugars. 25,986, 3–22–66, Cl. 204—158.

Godbe, Hampton C., to Sparkmaster Mfg. Co. Cigarette lighters. 3,247,688, 4–26–66, Cl. 67—7.1.

Godbe, Hampton C., to Sparkmaster Mfg. Co. Flint cartridge. 3,251,203, 5–17–66, Cl. 67—7.1.

Godbe, Hampton C., and J. G. Kaddas, to Sparkmaster Mfg. Co. Flint cartridge and flints and flint feeding mechanism for cigarette lighters and the like. 3,233,433, 2–8–66, Cl. 67—7.1.

Godbersen, Byron L. Boat centering and stop apparatus. 3,275,167, 9–27–66, Cl. 214—1.

Godbersen, Byron L. Boat lift apparatus. 3,284,052, 11–8–66, Cl. 254—148.

Godbey, John K., to Mobil Oil Corp. Device for recording temperature. 3,260,111, 7–12–66, Cl. 73—356.

Godbey, John K., H. D. Hodges, and R. F. Burdyh, to Mobil Oil Corp. Temperature-recording device and method. 3,260,112, 7–12–66, Cl. 73—356.

Godbey, Josiah J., to The Atlantic Refining Co. Variable capacitance geophone assembly for seismic prospecting. 3,239,803, 3–8–66, Cl. 340—17.

Godby, Ensley A. Folded trace for recorders. 3,233,245, 2–1–66, Cl. 346—32.

Goddard, Edwin G., and W. C. Chapman. Socket for lamp holder. 3,245,025, 4–5–66, Cl. 339—32.

Goddard, George W., to Itek Corp. Aerial camera. 3,240,-138, 3–15–66, Cl. 95—12.5.

Goddard, Hubert A. Artificial denture. 3,252,220, 5–24–66, Cl. 32—2.

Goddard, John A., to Ronson Corp. Gas candles and the like. 3,252,308, 5–24–66, Cl. 67—116.

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Goddu, Robert F., to Hercules Powder Co. Oxetane polymers stabilized with an epoxide and a sterically hindered phenolic compound. 3,271,337, 9–6–66, Cl. 260—18.

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Godel, Siegfried, and L. Miller, Jr., to American Machine & Foundry Co. Switch with axially spaced angularly offset rotary wiper contacts. 3,238,319, 3–1–66, Cl. 200—11.

Goder, Richard. Incinerator. 3,274,960, 9–27–66, Cl. 110—7.

Godet, Pierre, and J. Joux, to Colgate-Palmolive Co. Process for soap making. 3,287,385, 11–22–66, Cl. 260—417.

Godet, Richard W., to G. O. Comeau. Shoe sole edge trimmer. 3,226,748, 1–4–66, Cl. 12—88.

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Godfrey, John C., to Bronevill Scientific Division of Will Scientific, Inc. Model set for representing structures of chemicals. 3,284,926, 11–15–66, Cl. 35—18.

Godfrey, John J., to W. R. Grace & Co. Process for the preparation of 2-phenylhydrazino-2,2-dialkylnitrile. 3,250,800, 5–10–66, Cl. 260—465.

Godfrey, John J., to Chevron Research Co. Preparation of carbothiolic acids and corresponding thiolesters. 3,254,-106, 5–31–66, Cl. 260—455.

Godfrey, John N.: *See*—
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Godfrey, John N., and M. G. De Fries, to Atlantic Research Corp. Cartridge cases from fibrous nitrocellulose and alkaline catalyzed phenolic resin. 3,260,203, 7–12–66, Cl. 102—43.

Godfrey, John N., and B. J. Macri, to Atlantic Research Corp. Plastisol propellant process with improved dispension stability. 3,290,190, 12–6–66, Cl. 149—18.

Godfrey, Joseph E., to General Electric Co. Draw-out fused switch-gear apparatus. 3,274,356, 9–20–66, Cl. 200—114.

Godfrey, Kenneth L., to Monsanto Co. Halothienyl phosphorothioates in insecticidal compositions and methods. 3,242,046, 3–22–66, Cl. 167—33.

Godfrey, Leonard R., to Dendix Brushes Ltd. Rotary brushes and components for use in rotary brush. 3,274,634, 9–27–66, Cl. 15—198.

Godfrey, Leonard R., to Dendix Brushes Ltd. Rotary brushes. 3,278,966, 10–18–66, Cl. 15—198.

Godfrey, Norman B.: *See*—
Moore, Howard V., and Godfrey. 3,269,999.

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Godron, Yves G., to Compagnie de Saint-Gobain. Glass compositions. 3,248,234, 4–26–66, Cl. 106—47.

Godron, Yves G., to Compagnie de Saint-Gobain. Glass compositions. 3,253,933, 5–31–66, Cl. 106—47.

Godron, Yves G., to Compagnie de Saint-Gobain. Vitreous compositions of matter. 3,253,934, 5–31–66, Cl. 106—47.

Godschalk, Louis A., Jr.: *See*—
Foster, George W E., Jr., Growther, and Godschalk. 3,246,439.

Godschalx, Adrian T. Control circuit. 3,262,242, 7–26–66, Cl. 53—55.

Godsey, James H.: *See*—
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Visnov, Martin, and Godsey. 3,269,880.

Godshalk, James B.: *See*—
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Godshalk, James B., L. A. Medlar, and G. W. Purnell, to Fox Products Co. Battery chargers. 3,258,672, 6–28–66, Cl. 320—25.

Godshalk, James B., and L. A. Medlar, to Fox Products Co. Battery chargers. 3,267,347, 8–16–66, Cl. 320—25.

Godshalk, James B., and L. A. Medlar, to Fox Products Co. Polarity correcting circuits. 3,273,039, 9–13–66, Cl. 320—26.

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Godt, Henry C., Jr., to Monsanto Co. Bis-(2,6-dichlorophenyl alkyl carbonates). 3,268,573, 8–23–66, Cl. 260—463.

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Lund, Frants, and Godtfredsen. 3,254,077.

Godtfredsen, Wagn O., to Lovens Kemiske Fabrik Produktionsaktieselskab. Fusidic acid and dihydrofusidic acid derivatives. 3,230,240, 1–18–66. Cl. 260—397.1.

Godwin, Charles R. Adjustable stilt. 3,278,946, 10–18–66, Cl. 3—4.

Godwin, George A., to Small Business Administration. Program timing and switching control mechanisms. 3,287,515, 11–22–66, Cl. 200—38.

Godwin, Gilbert A.: *See*—
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Goebel, Paul W. Container with adjustable shelves. 3,238,-004, 3–1–66. Cl. 312—330.

Goebels, Frank J., Jr., to Hughes Aircraft Co. Dual mode slot slot coupler. 3,266,043, 8–9–66, Cl. 343—768.

Goebels, Frank J., Jr., to Hughes Aircraft Co. Dual mode slot antenna. 3,281,851, 10–25–66, Cl. 343—768.

Goecke, Max, O. Schweitzer, and R. Nagelschmidt, to Deutsche Gold- und Silber Scheideanstalt vormals Roessler. Process for altering the properties of high molecular weight halogen containing substances. 3,261,784, 7–19–66, Cl. 260—2.5.

Goeddel, Walter V., to United States of America, Atomic Energy Commission. Carbon coated, metal carbide particles for nuclear reactor use. 3,243,349, 3–29–66, Cl. 176—67.

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Goehring, Werner. Apparatus for the generation of a furnace atmosphere for the heat treatment of metals, especially of steel. 3,290,030, 12–6–66. Cl. 266—5.

Goeke, Alfons, to Th. Kieserling & Albrecht. Apparatus for localized swaging of pipes. 3,292,414, 12–20–66, Cl. 72—402.

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Goeldner, Richard W., to Aqua-Chem, Inc. Flash evaporator with distillate deaerator. 3,259,552, 7–5–66, Cl. 203—3.

Goeller, Charles P.: *See*—
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Goepner, Rudolph F., to Weyerhaeuser Co. Adhesive apparatus. 3,240,185, 3–15–66, Cl. 118—247.

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Goerrig, Dieter, F. Schubert, E. Weise, and K. Lang; said Schubert, Weise, and Lang, assors. to said Goerrig. Process for reduction of vat anthraquinone dyestuffs. 3,273,955, 9–20–66, Cl. 8—34.

Goerz, David J., Jr., R. B. Neal, and K. B. Mallory, to United States of America, Atomic Energy Commission. Electron linear accelerator phasing method involving alternately turning on and turning off the electromagnetic driver of the section being phased. 3,264,568, 8–2–66, Cl. 328—233.

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Goettl, Adam D., to McGraw-Edison Co. Flow adjustable water trough means for evaporative cooler pads. 3,284,068, 11–8–66, Cl. 261—97.

Goettl, Adam D., to McGraw-Edison Co. Pad rack construction for evaporative coolers. 3,287,003, 11–22–66, Cl. 261—94.

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Goettl, Albert B.: *See*—
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Goettl, William H. Duct structure. 3,273,598, 9–20–66, Cl. 138—37.

Goettsch, Walter J., to Samuel M. Langston Co. Apparatus for metering and feeding corrugated paperboard. 3,266,-690, 8–16–66, Cl. 226—95.

Goettsch, Walter J., to Samuel M. Langston Co. Apparatus and method for producing corrugated paperboard. 3,282,-764, 11–1–66, Cl. 156—292.

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Goetz, Daniel A., to Stylette Plastics, Inc. Extensible paint roller. 3,229,319, 1–18–66, Cl. 15—230.11.

Goetz, Frank M., V. L. Ransom, and C. R. Trendowski, to Bell Telephone Laboratories, Inc. Traffic data processing system. 3,231,866, 1–25–66, Cl. 340—172.5.

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Bernardi, Luigi, Goffredo, and Bosisio. 3,228,939.
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Goldberg, Eugene P., and F. Scardiglia, to Borg-Warner Corp. Sulfonate-carboxylate copolymers. 3,262,914, 7–26–66, Cl. 260—49.
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Cahn, Arno, Konort, and Goldberg. 3,256,155.
Goldberg, Melvin A., and W. R. Netzbandt, to Lever Bros. Co. Anhydrous aluminum antiperspirant powder aerosol compositions and methods of preparation. 3,288,681, 11–29–66, Cl. 167—90.
Goldberg, Morris, to Goldberg Bros., Inc. Film reel. 3,288,-392, 11–29–66, Cl. 242—74.
Goldberg, Morris I.: *See*—
Goldberg, Abraham, G. and M. I. 3,282,604.
Goldberg, Morris I. Infant's travelling high chair. 3,237,-985, 3–1–66, Cl. 297—256.
Goldberg, Morris M., A. P. Allegrini, and T. A. Cecil, to Minerals & Chemicals Philipp Corp. Attapulgite clay filter aid product containing combination of fluxes and method for making same. 3,278,040, 10–11–66, Cl. 210—500.
Goldberg, Morris M., A. P. Allegrini, and T. A. Cecil. Clay filter aid and production thereof. 3,282,435, 11–1–66, Cl. 210—500.
Goldberg, Moses W., R. W. Kierstead, and W. Kimel, to Hoffman-La Roche Inc. Metal acetylide conversion. 3,242,214, 3–22–66, Cl. 260—586.
Goldberg, Moses W., M. Muller, and H. H. Lehr, to Hoffman-La Roche Inc. Sulfohydroxamic acid compounds. 3,258,-460, 6–28–66, Cl. 260—243.
Goldberg, Moses W., L. M. Jampolsky, and R. W. Kierstead, to Hoffmann-La Roche Inc. Dodecahydrophenanthrene derivatives. 3,275,691, 9–27–66, Cl 260—586.
Goldberg, Nathaniel D. Conveyor plate structure. 3,270,862, 9–6–66, Cl. 198—189.
Goldberg, Newton N.: *See*—
Rogers, Dow A., Jr., Goldberg, and Zeise. 3,294,748.
Goldberg, Norman N., to E. Leitz, Inc. Control mechanism for a roll film camera. 3,280,713, 10–25–66, Cl. 95—31.
Goldberg, Seymour: *See*—
Germeshausen, Kenneth J., and Goldberg. 3,283,199.
Goldberg, Seymour, to Edgerton, Germeshausen & Grier, Inc. Microwave switching apparatus utilizing breakdown gaps triggered by direct current control pulse and radio frequency power level. 3,281,719, 10–25–66, Cl. 333—7.
Goldberg, Seymour, and M. M. Weiner, to Edgerton, Germeshausen & Grier, Inc. Electron stream deflection system of folded transmission line type. 3,280,361, 10–18–66, Cl. 315—3.
Goldberg, Stanley J., to Aerosol Research Co. Actuating mechanism. 3,249,260, 5–3–66, Cl. 222—182.
Goldberger, John H.: *See*—
Schur, Milton O., and Goldberger. 3,288,628.
Goldberger, William M. Device and method for maintaining a golfer's grip. 3,249,359, 5–3–66, Cl. 273—166.
Goldberger, William M., and C. J. Baroch, to The Battelle Development Corp. Method of coating solid particles. 3,247,-014, 4–19–66, Cl. 117—100.
Goldbert, Irving: *See*—
Schendorf, John, and Goldbert. 3,262,603.
Goldblatt, Leo A., and R. E. Knowles, to United States of America, Agriculture. Dehydration of lesquerolates. 3,291,-816, 12–13–66, Cl. 260—410.7.
Goldblatt, Philip. Wig-block styling stands. 3,276,734, 10–4–66, Cl. 248—176.
Goldblum, Kenneth B., to General Electric Co. Polycarbonate flow extenders. 3,269,971, 8–30–66, Cl. 260—31.4.
Goldblum, Kenneth B., to General Electric Co. Foamed resin comprising aromatic polycarbonate and oxymethylene polymer. 3,290,261, 12–6–66, Cl. 260—2.5.
Goldblum, Kenneth B., to General Electric Co. Molding compounds prepared from mixtures of polytetrafluoroethylene and resins polycarbonate. 3,290,412, 12–6–66, Cl. 260—873.
Golde, Erich. Pressure closure. 3,285,451, 11–15–66, Cl. 215—40.
Golde, Erich. Tamper-proof closure. 3,292,807, 12–20–66, Cl. 215—7.
Golde G.m.b.H. & Co., K.G.: *See*—
Werner, Johannes. 3,290,087.
Golde, H. T., G.m.b.H. & Co.: *See*—
Werner, Johannes. 3,280,509.
Rott, Anton. 3,266,328.
Golde, Hans. Drive device and a method of producing the same. 3,235,248, 2–15–66, Cl. 268—122.
Golden Anderson Valve Specialty Co., Inc.: *See*—
Blaney, Franklin J. 3,270,624.
Golden, Fred S.: *See*—
Zahradnik, George J., and Golden. 3,283,710.
Golden, Jerrold E., to Western Newell Mfg. Co. Drapery carrier. 3,286,299, 11–22–66, Cl. 16—87.4.
Golden, Kenneth E., to Sawyers, Inc. Focusing means for a slide projector. 3,263,558, 8–2–66, Cl. 88—24.
Golden, Kenneth E., to Sawyers, Inc. Slide indexing means for a slide projector. 3,263,559, 8–2–66, Cl. 88—28.
Golden, Kenneth E., to Sawyers, Inc. Shutter construction for a slide projector. 3,263,560, 8–2–66, Cl. 88—28.
Golden, Norman R. Digging attachment. 3,266,179, 8–16–66, Cl. 37—86.
Golden, Paul W., to International Typographical Union of North America. Composing apparatus for phototypographical machines. 3,244,364, 4–5–66, Cl. 234—4.
Golden, Paul W., to International Typographical Union of North America. Photocomposing apparatus including font deletion and font change interlock means. 3,258,201, 6–28–66, Cl. 234—5.
Golden, Philip. Food conveyors for hospital use. 3,249,881, 5–3–66, Cl. 296—22.
Golden, Robert L.: *See*—
Wantz, Clarence, and Golden. 3,255,672.
Golden, Robert L., to Robertshaw Controls Co. Pneumatic systems and parts and method. 3,283,666, 11–8–66, Cl. 91—37.
Golden, Robert L., C. Wantz, H. W. Rice, R. D. Beck, and R. A. Palmer, to Robertshaw Controls Co. Programmer utilizing diaphragm operated switches. 3,284,589, 11–8–66, Cl. 200—46.
Golden, Sidney. Transducer. 3,279,245, 10–18–66, Cl. 73—141.
Goldenberg, Michael. Football shoe. 3,273,266, 9–20–66, Cl. 36—2.5.
Goldenberg, Rolf, H. Kaubke, and E. Hilgeroth, to Maschinenfabrik Friedrich Haas G.m.b.H., & Co. Apparatus for drying webs of textile material. 3,284,922, 11–15–66, Cl. 34—156.
Goldfarb, Adolph E. Oscillating amusement device adapted to simulate a comic human character. 3,260,016, 7–12–66, Cl. 46—119.
Goldfarb, Adolph E. Animated mixer and drinking tumbler combination for children. 3,285,584, 11–15–66, Cl. 259—108.
Goldfarb, Erwin J., to Koehring Co. Method of and apparatus for pre-cooling concrete mix ingredients. 3,263,486, 8–2–66, Cl. 62—100.
Goldfarb, Erwin J., to Koehring Co. Apparatus for cooling aggregate for concrete mix. 3,277,664, 10–11–66, Cl. 62—268.

Goldfarb, Kenneth S.: *See*—
Gordon, Al. 3,269,055.
Goldfarb, Le Roy D., to United States of America, Army. Shutter testing apparatus. 3,229,497, 1–18–66, Cl. 73—5.
Goldfield, Jerry S., and M. J. Rells, to Curtiss-Wright Corp. Switch scanning system. 3,293,611, 12–20–66. Cl. 340—172.5.
Goldfield, Joseph, to Johns-Manville Corp. Method and system for venting gaseous matter. 3,233,567, 2–8–66, Cl. 110—184.
Goldfield, William J.: *See*—
Redman, Lawrence E., and Goldfield. 3,246,953.
Goldfinger, Arthur A., to Varian Associates. Beam tube and magnetic circuit therefor. 3,259,790, 7–5–66, Cl. 315—5.
Goldfischer, Lester I., to General Precision, Inc. Star field correlator. 3,263,088, 7–26–66, Cl. 250—237.
Goldhammer, Albert: *See*—
Dowling, Robert W., Del Riccio, and Goldhammer. 3,244,072.
Dowling, Robert W., Del Riccio, and Goldhammer. 3,247,-763.
Dowling, Robert W., Del Riccio, and Goldhammer. 3,250,176.
Dowling, Robert W., Del Riccio, and Goldhammer. 3,257,-901.
Dowling, Robert W., Del Riccio, and Goldhammer. 3,266,-367.
Goldie, Alexander, to Incandescent Ltd. Levelling control system. 3,241,458, 3–22–66, Cl. 91—171.
Goldie, Douglas G., & Associates Ltd.: *See*—
Clifton, John T. 3,231,911.
Goldin, Robert W., to Bell Aerospace Corp. Aircraft load-factor indicator. 3,233,455, 2–8–66, Cl. 73—178.
Golding, David E., to Marcan Products Corp. Hydraulic load cell with improved bridge-ring construction. 3,261,417, 7–19–66, Cl. 177—208.
Golding, Kenyon E.: *See*—
Bamford, William P., Golding, and Morgan. 3,282,014.
Krieger, Arthur E., and Golding. 3,274,882.
Goldkamp, Arthur H.: *See*—
Jin, James, and Goldkamp. 3,282,915.
Goldman, Alex: *See*—
Foster, Karl, and Goldman. 3,282,747.
Goldman, Charles B., to ACF Industries, Inc. Railway car cushioning device. 3,265,222, 8–9–66, Cl. 213—43.
Goldman, David, to H. D. Taylor, as trustee under an indenture of trust. Animal cage washing machine. 3,277,906, 10–11–66, Cl. 134—57.
Goldman, David, to H. D. Taylor, as trustee under an indenture of trust. Animal cage washer. 3,277,907, 10–11–66, Cl. 134—108.
Goldman, Edward J., to Walworth Co. Composite sealing ring. 3,272,472, 9–13–66, Cl. 251—172.
Goldman, Hans J., and R. A. Mahler, to Automatic Electric Laboratories, Inc. Wire strapping tool. 3,262,193, 7–26–66, Cl. 29—203.
Goldman, Henry M. Dental cavity liners. 3,266,147, 8–16–66, Cl. 32—15.
Goldman, Howard J. Procedure and apparatus for nuclear detection-analysis for use on road surfaces and the like. 3,243,793, 3–29–66, Cl. 340—234.
Goldman, Howard J., and H. A. Wayne. Frost-ice detector utilizing a radioactive source and detector. 3,239,668, 3–8–66, Cl. 250—83.3.
Goldman, Ira B.: *See*—
Kant, Fred H., Goldman, Skarstrom, and Read. 3,237,-379.
Goldman, Jerome and M., and J. Rosen. Aquariums separator. 3,288,110, 11–29–66, Cl. 119—5.
Goldman, Jerome L. Integrated barge and cargo ship construction. 3,273,527, 9–20–66, Cl. 114—43.5.
Goldman, Jerome N. and M. A., and J. Rosen. Sanitary container liner and method for making same. 3,227,137, 1–4–66, Cl. 119—1.
Goldman, Joshua H. Filter and method of making the same. 3,231,092, 1–25–66, Cl. 210—457.
Goldman, Joshua H., and P. E. Ashton, to American Machine & Foundry Co. Wound filter. 3,255,889, 6–14–66, Cl. 210—457.
Goldman, Leo, to Rockwell-Standard Corp. Steer drive axle with internal seal. 3,255,838, 6–14–66, Cl. 180—43.
Goldman, Leo, to Rockwell-Standard Corp. Steer drive axle with internal seal. 3,255,839, 6–14–66, Cl. 180—43.
Goldman, Leo, and J. M. Prange, to Rockwell-Standard Corp. Sealed brake. 3,289,793, 12–6–66, Cl. 188—18.
Goldman, Leon: *See*—
Albright, Jay D., and Goldman. 3,250,768.
Albright, Jay D., and Goldman. 3,260,721.
Goldman, Marvin A.: *See*—
Goldman, Jerome and M., and Rosen. 3,288,110.
Goldman, Jerome N. and M. A., and Rosen. 3,227,137.
Goldman, Max, to E. I. du Pont de Nemours and Co. Extrusion process for making thermoplastic tubular film. 3,231,-652, 1–25–66, Cl. 264—209.
Goldman, Max, to E. I. du Pont de Nemours and Co. Pressure isolation in the manufacture of thermoplastic tubular film by extrusion. 3,231,653, 1–25–66, Cl. 264—209.
Goldman, Max, and M. Wallenfels, to E. I. du Pont de Nemours and Co. Extrusion and stretching of thermoplastic film. 3,231,642, 1–25–66, Cl. 264—25.
Goldman, Max, and M. Wellenfels, to E. I. du Pont de Nemours and Co. Heater concentricity in the extrusions of thermoplastic to make tubular film. 3,231,643, 1–25–66, Cl. 264—25.
Goldman, Richard G., and W. R. Marklein, to General Electric Co. Electro-optical distance gage. 3,263,087, 7–26–66, Cl. 250—224.
Goldman, Richard L., and J. P. Spratt, to Philco Corp. Semiconductor device having low capacitance junction. 3,242,-395, 3–22–66, Cl. 317—235.
Goldman, Richard L., W. R. Kritzler, and V. C. Sirvydas, to Philco Corp. High frequency diode having semiconductive mesa. 3,283,218, 11–1–66, Cl. 317—234.
Goldman, Sanford L. Loose-leaf binding element. 3,251,364, 5–17–66, Cl. 129—24.
Goldmann, Otto, O. Himstedt, and E. Schwarze. Fuel oil gasification burner. 3,238,991, 3–8–66, Cl. 158—5.
Goldmark, Peter C.: *See*—
Moore, James K., Goldmark, Linden, and Wilder. 3,274,-581.
Goldmark, Peter C., to Columbia Broadcasting System, Inc. High resolution image analyzer with image dissector tube. 3,281,603, 10–25–66, Cl. 250—219.
Goldmark, Peter C., and R. H. McMann, Jr., to Columbia Broadcasting System, Inc. Film recording reproducing apparatus. 3,234,326, 2–8–66, Cl. 178—6.7.
Goldmark, Peter C., A. A. Goldberg, and B. B. Bauer, to Columbia Broadcasting System, Inc. Radio warning system. 3,257,617. 6–21–66. Cl. 325—364.
Goldmark, Peter C., and R. H. McMann, Jr., to Columbia Broadcasting System, Inc. Film recording-reproducing apparatus. 3,267,212. 8–16–66. Cl. 178—6.7.
Goldmark, Peter C., and J. M. Hollywood, to Columbia Broadcasting System, Inc. Motion picture film and reproducing apparatus therefor. 3,290,437, 12–6–66, Cl. 178—5.6.
Goldmark, Peter C., J. W. Christensen, and B. Erde, to Columbia Broadcasting System, Inc. Electronic reconnaissance systems. 3,294,903. 12–27–66. Cl. 178—6.8.
Goldmeyer, Clifford, and T. J. Dull, to The J. R. Greeno Co. Coil spring. 3,264,660, 8–9–66, Cl. 5—351.
Goldner, Bernard H., to T.R.W. Inc. Inoculation of bio-electrodes. 3,266,943, 8–16–66, Cl. 136—120.
Goldner, Elmer M., deceased (M. L. Goldner, administratrix). Combination typewriter and braillewriter. 3,254,750, 6–7–66, Cl. 197—6.1.
Goldner, Maggie L.: *See*—
Goldner, Elmer M. 3,254,750.
Goldryn, David, to JFD Electronics Corp. Drive means for an electrical reactor. 3,228,257, 1–11–66, Cl. 74—424.8.
Goldsberry, Paul E., to International Business Machines Corp. Single cycle binary divider. 3,239,655, 3–8–66, Cl. 235—164.
Goldsborough, Harry G., and C. J. Gerlach, to FMC Corp. Tray feeding apparatus. 3,275,189, 9–27–66, Cl. 221—36.
Goldsby, Arthur R., to Texaco Development Corp. Sulfuric alkylation acid recovery. 3,227,774, 1–4–66, Cl. 260—683.62.
Goldsby, Arthur R., to Texaco Development Corp. Sulfuric alkylation acid recovery. 3,227,775, 1–4–66, Cl. 260—683.62.
Goldsby, Arthur R., to Texaco Inc. Sulfuric acid recovery process. 3.234.301. 2–8–66. Cl. 260—683.62.
Goldsby, Arthur R., and J. O. Francis, to Texaco Inc. Sulfuric acid alkylation with chilled emulsion recycle. 3,256,360, 6–14–66, Cl. 260—683.62.
Goldschmid, Kurt. Loom temple. 3,254,679, 6–7–66, Cl. 139—294.
Goldschmid, Otto: *See*—
Quimby, George R., and Goldschmid. 3,271,382.
Goldschmidt, H., & Associates, Inc.: *See*—
Goldschmidt, Hans. 3,230,642.
Goldschmidt, Hans, to H. Goldschmidt & Associates, Inc. Teaching and testing apparatus. 3,230,642, 1–25–66, Cl. 35—9.
Goldschmidt, Th., A.G.: *See*—
Bungardt, Walter. 3,236,633.
Schmitz, Adolf. 3,290,305.
Goldsholl, Morton, and J. E. Logan. Timing device and method. 3,289,886, 12–6–66. Cl. 222—1.
Goldsmith, Arthur C., and A. N. Paone, to SCM Corp. Typewriter. 3,270,851, 9–6–66, Cl. 197—84.
Goldsmith, Bernard M., to Nytronics, Inc. Apparatus for making electrical winding assemblies. 3,281,916, 11–1–66, Cl. 29—33.
Goldsmith, Fred C., to The Lubrizol Corp. Chromate conversion coating. 3,282,744, 11–1–66, Cl. 148—6.2.
Goldsmith, George J.: *See*—
Yocom, Perry N., Kestigian, and Goldsmith. 3,243,381.
Goldsmith, Glenn A., to Nalco Chemical Co. Method of improving retention of fillers in paper making with acrylamide-diallylamine copolymer. 3,234,076, 2–8–66, Cl. 162—168.
Goldsmith, Harry: *See*—
Bengelsdorf, Irving S., and Goldsmith. 3,286,876.
Goldsmith, Harry, and R. F. Crawford, to United States Borax & Chemical Corp. 2-cycloalkyl-halobenzimidazoles. 3,284,-463, 11–8–66, Cl. 260—309.2.
Goldsmith, Philip H., deceased; S. Goldsmith, residuary legatee. Flow spreader for papermaking machine. 3,234,-078, 2–8–66, Cl. 162—336.

Goldsmith, Philip H., to Dominion Engineering Works Ltd. Adjustable baffle for paper stock inlet. 3,236,725, 2–22–66, Cl. 162—336.
Goldsmith, Robert, to General Plastics Corp. Method of preparing microporous tetrafluoroethylene resin sheets. 3,281,511, 10–25–66, Cl. 264—49.
Goldsmith, Stuart: *See*—
Goldsmith, Philip H. 3,234,078.
Goldsmith, William F., and D. F. Marples, to Union Carbide Corp. Stabilization of lactones. 3,227,730, 1–4–66, Cl. 260—343.
Goldsmith, William F., and D. F. Marples, to Union Carbide Corp. Stabilization of lactones. 3,274,216, 9–20–66, Cl. 260—343.
Goldsmith, Willis H. Toy balloon holder. 3,267,604, 8–23–66, Cl. 46—88.
Goldstein, Abraham, and M. Wolf, to Tri-Wall Containers, Inc. Method of making corrugated fibre board and products obtained thereby. 3,290,205, 12–6–66, Cl. 161—137.
Goldstein, Albert, and J. W. Brook, to Chemirad Corp. Copolymer of ethylene imine and epichlorhydrin. 3,294,723, 12–27–66, Cl. 260—29.2.
Goldstein, Arthur, ½ to G. P. Goldstein and ½ to K. Goldstein. Tube coupling having a longitudinally movable biting ring. 3,249,373, 5–3–66, Cl. 285—382.
Goldstein, Arthur M., A. F. Kohl, and P. Kaplan, to Stein, Hall & Co., Inc. Modified starch. 3,278,522, 10–11–66, Cl. 260—233.3.
Goldstein, Bernard, to Douglas Microwave Co., Inc. Snap action microwave switching apparatus with transmitter power supply interruption while switching. 3,253,222, 5–24–66, Cl. 325—151.
Goldstein, David, and A. Moskowitz, to Crucible Steel Co. of America. Method of enhancing corrosion resistance of stainless steels and products thereof. 3,247,086, 4–19–66, Cl. 204—140.
Goldstein, David J.: *See*—
Lurie, Robert M., and Goldstein. 3,274,029.
Tidridge, William A., Goldstein, and Sproul. 3,265,513.
Goldstein, Emanuel, to Universal Oil Products Co. Process for the production of citronellol. 3,275,696, 9–27–66, Cl. 260—631.5.
Goldstein, Eugene V.: *See*—
Pelzek, Victor J., Goldstein, and Miller. 3,232,789.
Goldstein, George P.: *See*—
Goldstein, Arthur. 3,249,373.
Goldstein, Irving S., and W. J. Oberley, to Koppers Co., Inc. Method of treating wood with an organic solvent-soluble fire retardant. 3,285,774, 11–15–66, Cl. 117—136.
Goldstein, Joseph, to Julius Goldstein & Sons Co. Phosphorescent coated textile. 3,291,668, 12–13–66, Cl. 156—67.
Goldstein, Julius, & Sons Co.: *See*—
Goldstein, Joseph. 3,291,668.
Goldstein, Kenneth: *See*—
Goldstein, Arthur. 3,249,373.
Goldstein, Marcy B., and R. A. McKinney, to Martin-Marietta Corp. Application of flame-sprayed linings on the inside diameter of tubes. 3,248,788, 5–3–66, Cl. 29—423.
Goldstein, Milton. Door and jamb finishing apparatus. 3,238,980, 8–8–66, Cl. 144—2.
Goldstein, Mira: *See*—
Goldstein, Zeev. 3,291,439.
Goldstein, Munsey S. Spraying attachment with base. 3,228,-613, 1–11–66, Cl. 239—318.
Goldstein, Samuel: *See*—
Epperson, Harry A., Goldstein, Nicklas, and Stotz. 3,293,610.
Goldstein, Sidney. Dancing apparatus. 3,294,400, 12–27–66, Cl. 273—1.
Goldstein, Zeev, deceased, by M. Goldstein, administratrix. Push-button flushing valve. 3,291,439, 12–13–66, Cl. 251—46.
Goldstern, Ernest: *See*—
Hoek, Martinus J., and Goldstern. 3,267,427.
Goldstone, Bertram J.: *See*—
Shay, John A., Utley, and Goldstone. 3,242,801.
Goldstone, Edward G., to Allen Industries, Inc. Cushion or pad assembly. 3,242,510, 3–29–66, Cl. 5—345.
Goldstone, Louis M.: *See*—
Jensen, Volmer S., and Goldstone. 3,271,095.
Jensen, Volmer S., and Goldstone. 3,284,155.
Goldstone, Norman J.: *See*—
Campanaro, Louis, Goldstone, and Shepherd. 3,258,883.
Goldsworthy, Forrest C. Safety headpiece loudspeaker. 3,258,534, 6–28–66, Cl. 179—1.
Goldsworthy, William B.: *See*—
Wojciechowski, Francis X., and Goldsworthy. 3,265,136.
Goldsworthy, William B. Preparing a liner material of ablation resistance. 3,234,600, 2–15–66, Cl. 19—144.
Goldszmid, Angel J. Burner. 3,236,072, 2–22–66, Cl. 67—53.
Goldthwait, Richard G., S. J. Kwolek, and T. Rice, to Gulf Research & Development Co. Hydrocracking of hydrocarbon with the use of a nickel-tungsten sulfide catalyst on a siliceous carrier activated with a halogen. 3,269,936, 8–30–66, Cl. 208—111.
Goldtrap, Charley L., to Twentieth Century Products Corp. Toilet tank supply valve assembly. 3,285,277, 11–15–66, Cl. 137—414.
Goldwasser, David G. Friction drive transmission. 3,270,-576, 9–6–66, Cl. 74—191.
Goldwasser, Murray: *See*—
Frank, Theodore, and Goldwasser. 3,287,179.
Goldwasser, Seymore, and F. V. Ryer, to Lever Bros. Co. Transparent soap bar. 3,274,119, 9–20–66, Cl. 252—368.
Goldzwig, David M.: *See*—
Hott, Ion V. K., and Goldzwig. 3,291,259.
Hott, Ion V. K. Goldzwig, Sebster, and Haddix. 3,258,-920.
Golf Eez, Inc.: *See*—
Moser, Robert C. 3,250,536.
Goliasch, Karl: *See*—
Hahn, Willi, and Goliasch. 3,275,694.
Gollbrzuch, Werner, to Industrie-Companie Kleinewefers Konstruktions- und Handelsgesellschaft m.b.H., Firma. Heater for gaseous mediums having helically wound pipe coils. 3,245,395, 4–12–66, Cl. 126—109.
Golick, Alexander J. Mist lubricated ripsawing method and mechanisms. 3,240,243, 3–15–66, Cl. 143—158.
Golightly, James S.: *See*—
Black, Lloyd V., and Golightly. 3,248,201.
Golightly, James S., to Pittsburgh Plate Glass Co. Bending glass sheets. 3,248,200, 4–26–66, Cl. 65—290.
Golightly, James S., to Pittsburgh Plate Glass Co. Glass sheet bending mold with heat absorber. 3,264,082, 8–2–66, Cl. 65—288.
Golightly, James S., and H. E. McKelvey, to Pittsburgh Plate Glass Co. Method and apparatus for bending glass sheets to compound curvatures. 3,248,195, 4–26–66, Cl. 65—107.
Golkowski, Lloyd F. Display sign. 3,289,337, 12–6–66, Cl. 40—125.
Golla, Anthony A. Automatically signaling delivery box. 3,275,228, 9–27–66, Cl. 232—34.
Golladay, Arthur D.: *See*—
Burkley, Ralph A., and Golladay. 3,250,493.
Golland, Wesley A.: *See*—
Griesemer, Raymond H., and Golland. 3,239,737.
Griesemer, Raymond H., and Golland. 3,260,454.
Griesemer, Raymond H., and Golland. 3,282,272.
Goller, Robert L., P. E. Grindrod, F. D. Hamm, and O. E. Seiferth, to Oscar Mayer & Co., Inc. Packages. 3,229,810, 1–18–66, Cl. 206—45.34.
Gollis, Morton H., J. C. James, and R. J. Wineman, to Monsanto Research Corp. Aralkylthioalkyl amino alcohols. 3,231,612, 1–25–66, Cl. 260—570.5.
Gollner, Stanley G., and A. Grsetic. Scientific demonstration device. 3,253,354, 5–31–66, Cl. 35—19.
Gollwitzer, Walter T., to Addressograph-Multigraph Corp. Embossing machine mounted on incline and having gravity actuated linespacing means. 3,253,691, 5–31–66, Cl. 197—6.2.
Gollwitzer, Walter T., to Addressograph-Multigraph Corp. Matrix positioning means for embossing machines. 3,283,-870, 11–8–66, Cl. 197—6.2.
Golobart, Ramon B. Mechanism for clamping and releasing weft yarn. 3,276,483, 10–4–66, Cl. 139—122.
Golobart, Ramon B. Weft thread motion applied to warp thread dobbies in shuttleless looms. 3,286,738, 11–22–66, Cl. 139—122.
Golobart, Ramón B. Device for the clamping and pulling of weft yarns. 3,288,173, 11–29–66, Cl. 139—122.
Goloff, Alexander, to Caterpillar Tractor Co. Valve guides. 3,265,052. 8–9–66, Cl. 123—188.
Golombek, Martin: *See*—
Bock, Bert W., and Golombek. 3,249,269.
Golonski, Leslie P., to Motorola, Inc. F.M. stereophonic receiver having noise prevention means in the pilot circuit. 3,270,138, 8–30–66, Cl. 179—15.
Golonski, Leslie P., to Motorola, Inc. FM stereo multiplex receiver having sterophonic indicating means. 3,293,366, 12–20–66, Cl. 179—15.
Goloobev, Anatoly P.: *See*—
Izmirian, Khachatoor G., Izraetsky, Goloobev, Koroljov, Kolodin, and Mihkailova. 3,256,955.
Goloobev, Vladimir S.: *See*—
Bakharev, Eduard V., and Goloobev. 3,252,185.
Goltz, Jay M.: *See*—
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Golub, Leo, and M. Zaiger, 67% to P. R. Engel, 16⅓% to W. E. Thomson, and 16⅓% to J. R. Schoree. Play pen. 3,233,254, 2–8–66, Cl. 5—99.
Golub, Leo, and M. Zaiger, said Golub assor., to said Zaiger. Windshield wiper. 3,234,578, 2–15–66, Cl. 15—250.42.
Golub, Sidney, J. H. Bologna, B. Zeifman, and M. Roseman. Pinwheel support. 3,229,412, 1–18–66. Cl. 46—58.
Golucke, Karl, and H. Decker, to Klockner-Humboldt-Deutz Aktiengesellschaft. Cone crusher. 3,227,381, 1–4–66, Cl. 241—208.
Golucke, Karl, and W. G. J. Heckmann, to Klockner-Humboldt-Deutz Aktiengesellschaft. Axially oscillating horizontal centrifuge. 3,263,815. 8–2–66, Cl. 210—370.
Golzer, Siegbert, and R. Rutschmann, to Christian Holzapfel K.G. Hinges for collapsible cabinets and the like. 3,262,-745, 7–26–66, Cl. 312—108.
Gombar, Jeno: *See*—
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Gomi, Yoshibumi: *See*—
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Gompf, Thomas E.: *See*—
Porter, Ralph F., and Gompf. 3,246,988.
Porter, Ralph F., and Gompf. 3,291,609.
Gomulka, William. Electrical connector. 3,229,243, 1–11–66, Cl. 339—215.

Gonas, Albert J.: *See*—
Schmidt, George A., and Gonas. 3,294,452.
Gonas, Albert J., and G. A. Schmidt, to General Motors Corp. Wheel cover. 3,268,262, 8–23–66, Cl. 301—37.
Goncz, John H., to Edgerton, Germeshausen & Grier, Inc. Multiple electrode flashlamp circuit with a gas holdoff tube in circuit with trigger electrode adjacent the anode. 3,284,-665, 11–8–66, Cl. 315—168.
Gondar, Rudolph J. Bookrack and kneeler stop. 3,271,069, 9–6–66, Cl. 297—192.
Gondo, Hisachi: *See*—
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Gondoin, Jean, R. Lecler, and M. Kadosch, to Electricite de France (Service National). Gas cooled nuclear reactor system with improved flow path and shield arrangement. 3,249,507, 5–3–66, Cl. 176—159.
Gonek, Stanislaw M., and H. Rowlinson, to The English Electric Co. Ltd. Resetting control apparatus for switchgear. 3,251,970, 5–17–66, Cl. 200—148.
Gonek, Stanislaw M., H. Rowlinson, J. F. Readman, J. A. Lockley, and A. C. Kidd, to The English Electric Co. Ltd. Electric switchgear including insulator member capable of withstanding tension. 3,236,982, 2–22–66, Cl. 200—148.
Gongwer, Calvin A., to Aerojet-General Corp. Jet propulsion device for water vehicle. 3,283,737, 11–8–66, Cl. 115—16.
Gongwer, Calvin A., to Aerojet-General Corp. Method and apparatus for projecting underwater explosive. 3,288,064, 11–29–66, Cl. 102—22.
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Gonsalves, Conrad J., to American Enka Corp. Thread joint. 3,274,764, 9–27–66, Cl. 57—142.
Gonser, Donald I., to Biocytronic Corp. Electrotherapy apparatus. 3,245,408, 4–12–66, Cl. 128—422.
Gonshery, Leon, and T. Hamada, to Vitamix Pharmaceuticals, Inc. Gelatin composition. 3,239,420, 3–8–66, Cl. 167—83.
Gonski, Joseph, to Goodman Mfg. Co. Continuous mining machine. 3,245,723, 4–12–66, Cl. 299—59.
Gonski, Joseph, to Goodman Mfg. Co. Flight conveyor. 3,256,973, 6–21–66, Cl. 198—171.
Gonski, Joseph, to Goodman Mfg. Co. Continuous mining machine. 3,259,436, 7–5–66, Cl. 299—57.
Gonski, Joseph, to Westinghouse Air Brake Co. Continuous mining machine. 3,285,664, 11–15–66, Cl. 299—57.
Gonski, Joseph, to Westinghouse Air Brake Co. Retractible boring head for mining machine. 3,285,667, 11–15–66, Cl. 299—80.
Gonski, Joseph, to Westinghouse Air Brake Co. Continuous mining machine. 3,288,533, 11–29–66, Cl. 299—57.
Gonski, Joseph, to Westinghouse Air Brake Co. Continuous miner having relatively adjustable transmission housing for boring shafts. 3,288,534, 11–29–66, Cl. 299—59.
Gonski, Joseph, to Westinghouse Air Brake Co. Variable width boring head assembly for continuous mining machine. 3,288,535, 11–29–66, Cl. 299—59.
Gonski, Joseph, to Westinghouse Air Brake Co. Continuous mining machine. 3,290,094, 12–6–66, Cl. 299—57.
Gontcharuk, Joseph. Snow disposal apparatus. 3,277,885, 10–11–66, Cl. 126—343.5.
Gonzales, William H.: *See*—
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Gonzalez, Ascencion: *See*—
Cobbs, James H., Bolen, and Gonzalez. 3,282,349.
Gonzales, Aveling S. Device for sugar cane cutting and planting 3,279,400, 10–18–66, Cl. 111—3.
Gonzales, Frank A., to Medical Electroscience, Inc. Fluid cooling apparatus. 3,293,868, 12–27–66, Cl. 62—3.
Gonzales, Gerardo A., to Betz Laboratories Inc. Process of heat transfer. 3,271,295, 9–6–66, Cl. 208—48.
Gonzalez, Gerardo A., to Betz Laboratories, Inc. Process of heat transfer. 3,271,296, 9–6–66, Cl. 208—48.
Gonzalez, Rafael. Umbrella light. 3,281,586, 10–25–66, Cl. 240—6.42.
Gooch, David R. Reading rate controlling machines. 3,255,-538, 6–14–66, Cl. 35—35.
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Good, Arthur L. Fluid power apparatus. 3,251,443, 5–17–66, Cl. 192—61.
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Good, David S. and D .H. 3,226,953.
Good, David S. and D. H. Two-feed knitting machine. 3,226,-953, 1–4–66, Cl. 66—42.
Good, James A., to The Babcock & Wilcox Co. Drive mechanism for a nuclear reactor control rod. 3,257,287, 6–21–66, Cl. 176—36.
Good, James L., to Textron Inc. Laser long-path infrared multiwavelength absorption spectrometer. 3,287,556, 11–22–66, Cl. 250—43.5.
Good, James L., Jr., and W. A. Porter, to General Electric Co. Roll rate stabilization system for outer space vehicle. 3,227,397, 1–4–66, Cl. 244—1.
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Otken, Edwin J. 3,279,393.
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Good, Wayne W., to Harter Corp. Business machine stand. 3,294,412, 12–27–66, Cl. 280—43.13.
Good, William B., T. T. True, and H. J. Vanderlaan, to General Electric Co. First and second order diffraction color projection system. 3,272,917, 9–13–66, Cl. 178—5.4.
Good, William E., M. Graser, Jr., and H. J. Vanderlaan, to General Electric Co. Color projection system. 3,290,436, 12–6–66, Cl. 178—5.4.
Goodacre, Cecil, to Lansing Bagnall Ltd. Load-handling apparatus such as pallet-lifting trucks. 3,268,033, 8–23–66, Cl. 187—9.
Goodacre, Cecil, to Lansing Bagnall Ltd. Running gear arrangement for industrial trucks. 3,273,665, 9–20–66, Cl. 180—85.
Goodacre, Ronald, to Lansing Bagnall Ltd. Load lifting trolleys. 3,233,767, 2–8–66, Cl. 214—512.
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Goodale, William B., to Ford Motor Co. Hydraulic drive control. 3,246,471, 4–19–66, Cl. 60—52.
Goodall, Brian E.: *See*—
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Goodall, Charles C. O., and J. Rice, to Ilford Ltd. Photographic processing apparatus. 3,242,841, 3–29–66, Cl. 95—89.
Goodall, Maurice: *See*—
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Goodbar, Isaac. Plates for light control. 3,258,590, 6–28–66, Cl. 240—106.
Goodbar, Isaac. Weather controlled lighting fixture. 3,261,-974, 7–19–66, Cl. 240—25.
Goodbar, Isaac, and E. A. Price. Projection screen. 3,257,-900, 6–28–66, Cl. 88—28.9.
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Goodbar, Reid C., and R. L. Smith, Jr., to Riegel Textile Corp. Slip resistant fabric. 3,241,999, 3–22–66, Cl. 117—38.
Goodbar, Reid C., and R. M. Simril, to Riegel Textile Corp. Method of making stretchable cotton fabrics. 3,287,788, 11–29–66, Cl. 28—76.
Goodberlet, William D., to United Engineering and Foundry Co. Workpiece manipulator. 3,236,396, 2–22–66, Cl. 214—1.
Goodchild, Sydney L. Synthetic resinous compositions for surface coatings. 3,251,791, 5–17–66, Cl. 260—19.
Goode, Floyd H., L. A. Remley, Jr., and R. O. Terry, Jr., to Western Electric Co. Inc. Method of and apparatus for monitoring welds. 3,239,646, 3–8–66, Cl. 219—109.
Goode, George E., and J. L. Phillips, to Texas Instruments Inc. Synchronizing system for digital data recovery apparatus. 3,251,034, 5–10–66, Cl. 340—146.1.
Goode, Jerry H.: *See*—
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Goode, Maurice V. Cap for drawer and like corners. 3,260,-491, 7–12–66, Cl. 248—345.1.
Goode, McKay, to Martin-Marietta Corp. Discrete address communication system with random access capabilities. 3,239,761, 3–8–66, Cl. 325—22.
Goode, Robert W., ½ to G. A. Petersen, and ½ to A. E. Petersen. Dual tensioner for stringing conductor cables. 3,241,-817, 3–22–66, Cl. 254—134.
Goode, Robert W., to A. E. Petersen. Ventilated brake disc. 3,247,934, 4–26–66, Cl. 188—264.
Goode, Robert W., ½ each to G. A. and A. E. Petersen. Tension indicator. 3,272,007, 9–13–66, Cl. 73—143.
Goodell, Richard R., and J. C. Adair, to Shell Oil Co. Gravity meter clamp. 3,264,875, 8–9–66, Cl. 73—382.
Goodenough, Robert D.: *See*—
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Cooper, Ronald H., Goodenough, and Corbett. 3,252,-818.
Gaska, Remigius A., Goodenough, and Simpson. 3,268,-290.
Goodenough, Robert D., to The Dow Chemical Co. Recovering strontium chloride from brine. 3,239,318, 3–8–66, Cl. 23—298.
Goodenough, Robert D., to The Dow Chemical Co. Lithium fluoride production. 3,241,914, 3–22–66, Cl. 23—88.
Goodenough, Robert D., to The Dow Chemical Co. Iodine "peroxide" bisulfate antimicrobial composition. 3,248,281, 4–26–66, Cl. 167—17.

Goodenough, Robert D., and A. H. Klopf, to The Dow Chemical Co. Selective precipitation of potassium chloride by addition of ammonia. 3,279,897, 10–18–66, Cl. 23—302.
Goodenough, Robert D., and R. A. Gaska, to The Dow Chemical Co. Preparation of anhydrous magnesium chloride from hydrous ammonium carnallite. 3,282,642, 11–1–66, Cl. 23—91.
Gooderidge, Jean. Traction device for a unit for pulling an elongated element. 3,265,269, 8–9–66, Cl. 226—172.
Goodfellow, Glenn B., and J. F. Kuzmick, to Powder Alloys Corp. Heavy metal alloys. 3,254,995, 6–7–66, Cl. 75—176.
Goodhew, David, to Diagrit Electrometallics Ltd. Apparatus for performing a drilling operation on a workpiece. 3,229,427, 1–18–66, Cl. 51—241.
Goodhue, Lyle D., to Phillips Petroleum Co. Insect repellents and method of using. 3,252,858, 5–24–66, Cl. 167—46.
Goodhue, Lyle D., to Phillips Petroleum Co. Bird management products, preparation, and use. 3,264,181, 8–2–66, Cl. 167—46.
Goodhue, Lyle D., to Phillips Petroleum Co. Insect repelling compositions and methods. 3,265,566, 8–9–66, 167—33.
Goodhue, Lyle D., to Phillips Petroleum Co. Bird management methods and color stable compositions. 3,281,320, 10–25–66, Cl. 167—46.
Goodhue, Lyle D., and R. F. Kleinschmidt, to Phillips Petroleum Co. Cattle repellent. 3,269,902, 8–30–66, Cl. 167—46.
Goodhue, William V., to Leesona Corp. False twist spindle. 3,283,490, 11–8–66, Cl. 57—77.33.
Gooding, Gale A., to Johnson Plastic Corp. Apparatus for electrical raceway and decorative moulding. 3,262,083, 7–19–66, Cl. 339—23.
Gooding, Willard H., to Western Velo & Cement Specialties Co. Screw conveyor. 3,253,695, 5–31–66, Cl. 198—64.
Gooding, Willard H., to Western Velo & Cement Specialties Co. Package. 3,253,707, 5–31–66, Cl. 206—65.
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Goodman, David M. Electron discharge device with automatic temperature control. 3,290,941, 12–13–66, Cl. 73—355.
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Goodman, Frank R., to W. H. Brady Co. Label and transparent cover sheet assembly. 3,252,234, 5–24–66, Cl. 40—2.
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Goodman, Henry G., Jr., G. H. Lourigan, and M. L. Burke, to Union Carbide Corp. Process for imparting wash and wear properties to cellulose-containing textile fabric and resulting product. 3,293,073, 12–20–66, Cl. 117—139.4.
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Stalker, Kenneth W. 3,250,491.
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Goodman, Morris. Automatic parking area mechanism. 3,273,683, 9–20–66, Cl. 194—4.
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Goodman, Robert. Device for translating rotary motion into linear motion. 3,277,736, 10–11–66, Cl. 74—424.8.
Goodman, Robert. Device for translating rotary motion into linear motion. 3,277,737, 10–11–66, Cl. 74—424.8.
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Goodman, Robert M. Electro-optical switching device using two photosensitive cells with an opaque housing. 3,289,-002, 11–29–66, Cl. 250—209.
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Goodrich, George W., J. R. Ignatowski, and R. R. Thompson, to The Bendix Corp. Ionization pressure gauge with secondary electron emissive resistive surface and multiplying channel means. 3,271,661, 9–6–66, Cl. 324—33.

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Goodrich, Judson E., to Chevron Research Co. Solid sulfuric acid composition. 3,238,182, 3–1–66, Cl. 260—67.

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Goodrich, William F., to The Signpress Co. Card holding means for card printing machine. 3,280,738, 10–25–66, Cl. 101—269.

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Goodrow, Marvin H., to American Potash & Chemical Corp. β-carboxylic phosphinoborine ester polymers and their preparation. 3,235,591, 2–15–66, Cl. 260—545.

Goodrow, Marvin H., to American Potash & Chemical Corp. Boroureas of phosphinoborine polymers. 3,272,781, 9–13–66, Cl. 260—77.5.

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Goodwin, Benton G., and W. L. Crumpacker; said Crumpacker assor. to said Goodwin. Smoke-flame, critical temperature and rate of temperature rise detector. 3,255,441, 6–7–66, Cl. 340—220.

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Goossak, David A. and L. A., to Institute Khimicheskol Fysiki. Internal combustion engine with jet ignition of a non-uniformly distributed working mixture from a precombustion chamber cut-off by the piston. 3,283,751, 11–8–66, Cl. 123—32.

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Rockerath, John L., Goppert, and Schreck. 3,286,669.

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Gordon, Arthur L., J. J. Jonas, and L. F. Pike, to National Dairy Products Corp. Preparation of carrageenan having improved water dispersibility. 3,280,102, 10–18–66, Cl. 260—209.

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Gordon, Edward L. Automobile door safety lock. 3,288,524, 11–29–66, Cl. 296—146.

Gordon, Elias. Shutter devices for viewers and projectors. 3,283,649, 11–8–66, Cl. 88—24.

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Gordon, George A. D. Apparatus for destroying limited groups of cells. 3,237,623, 3–1–66, Cl. 128—24.

Gordon, George A. D. Ultrasonic test apparatus for producing cross sections of solid bodies. 3,247,709, 4–26–66, Cl. 73—67.8.

Gordon, George E. Device for cleaning fish. 3,290,720, 12–13–66, Cl. 17—7.

Gordon, Hayden S., to United States of America, Atomic Energy Commission. High energy accelerator magnet structure. 3,263,136, 7–26–66, Cl. 317—200.

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Gordon, Irving, and C. F. Baranauckas, to Hooker Chemical Corp. Transesterification of phosphorus esters. 3,261,890, 7–19–66, Cl. 260—982.

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Gordon, Maxwell, to Smith Kline & French Laboratories. 3, N-substituted derivatives of oripavine and thebaine. 3,285,914, 11–15–66, Cl. 260—247.5.

Gordon, Maxwell, and E. A. Nodiff, to Smith Kline & French Laboratories. 3 - perfluoroalkyl-1,2,4-benzothiadiazine-1,1-dioxide derivatives. 3,261,794, 7–19–66, Cl. 260—243.

Gordon, Maxwell, and B. M. Sutton, to Smith Kline & French Laboratories. N - aminomethyltetracycline derivatives. 3,272,817, 9–13–66, Cl. 260—268.

Gordon, Mendel T., and G. P. Monet, to E. I. du Pont de Nemours and Co. Surface crystallization process. 3,272,875, 9–13–66, Cl. 260—646.

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Gordon, Paul E., and A. Herczog, to Corning Glass Works. Method of manufacturing a capacitor. 3,231,479, 1–25–66, Cl. 204—38.

Gordon, Philip L., J. L. Diedrich, and D. E. Dean, to The Borden Co. Alkoxylated polyvinyl alcohol and alkoxylated amine compositions. 3,280,037, 10–18–66, Cl. 252—90.

Gordon, Philip N., C. I. Jarowski, and K. J. Brunings, to Chas. Pfizer & Co., Inc. Antibiotic preparations. 3,232,834, 2–1–66, Cl. 167—65.

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Gordon, Richard O., to Clark Equipment Co. Transmission and valve actuated fluid clutch control means. 3,262,523, 7–26–66, Cl. 192—3.2.

Gordon, Richard O., to Clark Equipment Co. Hydraulic valve. 3,266,522, 8–16–66, Cl. 137—625.69.

Gordon, Richard O., to Clark Equipment Co. Gear pump or motor. 3,280,756, 10–25–66, Cl. 103—126.

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Gordon, Richard O., to Clark Equipment Co. Gear pump or motor. 3,292,550, 12–20–66, Cl. 103—126.

Gordon, Richard O., to Clark Equipment Co. Gear pump or motor. 3,292,551, 12–20–66, Cl. 103—126.

Gordon, Richard O., and C. L. Wykoff to Clark Equipment Co. Power braking system. 3,240,019, 3–15–66, Cl. 60—54.5.

Gordon, Robert E., to Honeywell Inc. Line follower control apparatus. 3,260,848, 7–12–66, Cl. 250—202.

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Gore, Graves T., and G. F. Norcross, to Riegel Textile Corp. Mechanism for automatically producing pillow cases, bags, and the like. 3,227,119, 1–4–66, Cl. 112—10.

Gore, Graves T., A. D. Martin, and N. Smith, to Riegel Textile Corp. Cutting and applicator mechanism. 3,250,245, 5–10–66, Cl. 118—38.

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Gore, Wilbert L., to W. L. Gore & Associates, Inc. Conductor insulated with polytetrafluoroethylene containing a dielectric-dispersion and method of making same. 3,278,673, 10–11–66, Cl. 174—120.

Gorecki, John A., and S. F. Skala, to Western Electric Co., Inc. Signal stabilized radiation measuring and discriminating apparatus using a scintillation detector. 3,259,744, 7–5–66, Cl. 250—71.5.

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Goren, Mayer B., to Kerr-McGee Oil Industries, Inc. Polymerization of purified acrylamide monomer, the resulting polyacrylamide, and process for flocculating suspended solids therewith. 3,242,152, 3–22–66, Cl. 260—89.7.

Goren, Mayer B., to Kerr-McGee Oil Industries, Inc. Oxidation and recovery of vanadium values from acidic aqueous media. 3,252,756, 5–24–66, Cl. 23—14.5.

Goren, Mayer B., to Kerr-McGee Oil Industries, Inc. Rejuvenation of poisoned ion exchange resins. 3,252,920, 5–24–66, Cl. 260—2.1.

Goren, Mayer B., to Kerr-McGee Oil Industries, Inc. Process for absorbing solubilized silica from acidic aqueous media with an organic compound containing silica with a poly (alkylene oxide) structure. 3,266,888, 8–16–66, Cl. 75—97.

Goren, Mayer B., to Kerr-McGee Oil Industries, Inc. Process for solubilizing uranium values. 3,268,288, 8–23–66, Cl. 23—321.

Goren, Mayer B., to Kerr-McGee Oil Industries, Inc. Treatment of acidic aqueous solutions. 3,278,277, 10–11–66, Cl. 23—321.

Goren, Mayer B., J. E. Zajic, and W. J. Dunlap, to Kerr-McGee Oil Industries, Inc. Microbial oxidation of naphthalene to salicylic acid in the presence of an aluminum compound. 3,272,716, 9–13–66, Cl. 195—51.

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Gorker, George E., to United States of America, Atomic Energy Commission. Boiling water nuclear reactor with buoyant fuel or reflector control assembly. 3,290,221, 12–6–66, Cl. 176—28.

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Gorsich, Richard D., to Ethyl Corp. Polyvinyl chloride resins containing a trialkyl lead cyanide as a stabilizer. 3,262,909, 7–26–66, Cl. 260—45.75.

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Gosnell, Michael P., to Philco Corp. Laundry machine. 3,253,346, 5–31–66, Cl. 34—45.

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Goss, Norman P. Electric alloy steel containing vanadium and sulfur. 3,278,346, 10–11–66, Cl. 148—31.55.

Goss, Norman P., S. Watanabe, K. Kumai, S. Tsuda, and H. Matsuoka, to Fuji Iron & Steel Co., Ltd. Method of making electrical steel having superior magnetic properties. 3,244,510, 4–5–66, Cl. 75—55.

Goss, Norman P., S. and H. Watanabe, to Fuji Iron & Steel Co., Ltd. Method and apparatus for treating steels. 3,251,680, 5–17–66, Cl. 75—59.

Goss, Norman P., S. Watanabe, K. Kumai, S. Tsuda, and H. Matsuoka, to Fuji Iron & Steel Co. Ltd. Method and apparatus for treating steel. 3,258,328, 6–28–66, Cl. 75—57.

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Gottesmann, Emanuel. Viewing and illuminating device. 3,238,838, 3–8–66, Cl. 88—14.

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Gottfried, Louis, and J. Berger. Stroller with detachable chairs. 3,288,482, 11–29–66, Cl. 280—47.38.

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Gottfried, Siegfried, and L. Baxendale, to Biorex Laboratories Ltd. Pharmacological compositions containing glycyrrhetinic acid derivative. 3,262,851, 7–26–66, Cl. 167—65.

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Gottschald, Rudolf, to V. Langen, sole responsible partner of the firm A. Ehrenreich & Cie. Ball and socket joints. 3,290,073, 12–6–66, Cl. 287—90.

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Gottscho, Ira S., V. Plotkin, and M. J. Shumila, to Adolph Gottscho, Inc. Marking apparatus. 3,244,092, 4–5–66, Cl. 101—9.

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Gotz, Elmar, to Licentia Patent-Verwaltungs G.m.b.H. Subtracting arrangement. 3,257,550, 6–21–66, Cl. 235—175.

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Gotz, Elmar, P. Boese, H. Kummer, and W. Mahro, to Licentia Patent-Verwaltungs G.m.b.H. Arrangement for subtracting two natural binary numbers. 3,257,551, 6–21–66, Cl. 235—175.

Gotz, Elmar, and W. Pabst, to Licentia Patent-Verwaltungs G.m.b.H. Digitally coded scale in linear or disc form for controlling machine tools. 3,257,656, 6–21–66, Cl. 340—347.

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Götze, Johannes, and G. Koepke, to Agfa Aktiengesellschaft. Stabilized silver halide emulsions. 3,252,799, 5–24–66, Cl. 96—109.

Gotze, Johannes, and H. Kampfer, to Agfa Aktiengesellschaft. Optically sensitized photographic silver halide emulsions. 3,288,610, 11–29–66, Cl. 96—106.

Gotze, Wolfgang, W. Gugel, and H. Krase, to General Mills, Inc. Curable systems containing adducts of varying ratios of polyaminoamides and epoxy resins. 3,280,054, 10–18–66, Cl. 260—18.

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Gough, Martin J. and M. E. Window sash locks. 3,288,510, 11–29–66, Cl. 292—251.

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Gouilloud, Michel M. A., and G. J. Marchand, to Societe de Prospection Electrique Schlumberger S.A. Methods and apparatus for recording well logging data on magnetic tape utilizing recorded reference signals for control purposes. 3,277,440, 10–4–66, Cl. 340—18.

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Gould, Albert. Wind-driven noise-making devices. 3,283,441, 11–8–66, Cl. 46—58.

Gould, Albert. Spinning toy launcher. 3,283,442, 11–8–66, Cl. 46—72.

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Gould, Bert B. Nested rockets. 3,269,268, 8–30–66, Cl. 89—1.813.

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Gould, Lawrence P., to Allied Chemical Corp. Corrosion inhibitor in dry cell battery. 3,291,645, 12–13–66, Cl. 136—107.

Gould, Lawrence P., to Allied Chemical Corp. Corrosion inhibitor in dry cell battery. 3,291,646, 12–13–66, Cl. 136—107.

Gould, Leon M., and W. D. Paley, to United States of America, Army. Automatic synchronized stroboscope. 3,274,486, 9–20–66, Cl. 324—16.

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Grant, Norman H., and H. E. Alburn, to American Home Products Corp. Amino-acylamino-acylamino-penicillanic acids. 3,268,516, 8-23-66, Cl. 260—239.1.
Grant, Norman H., and H. E. Alburn, to American Home Products Corp. Amino-acylamino-acylamino-penicillanic acids. 3,268,517, 8-23-66, Cl. 260—239.1.
Grant, Norman H., and H. E. Alburn, to American Home Products Corp. Amino-acylamino-acylamino-penicillanic acids. 3,268,518, 8-23-66, Cl. 260—239.1.
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Graser, Fritz, to Badische Aniline- & Soda-Fabrik Aktiengesellschaft. Dyes of the pyrazinoanthraquinone series and a process for their production. 3,228,938, 1-11-66, Cl. 260—262.
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Grasme, Paul, to Licentia Patent-Verwaltungs-G.m.b.H. Tubing. 3,259,109, 7-5-66, Cl. 122—235.
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Biechler, Charles S., Grass, and Lundstrom. 3,240,984.
Grassano, Vincent. Automatic watering system for animals. 3,228,377, 1-11-66, Cl. 119—72.5.
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Callahan, James L., Gertisser, and Grasselli. 3,251,900.
Callahan, James L., Gertisser, and Grasselli. 3,260,768.
Grasselli, Robert, and J. L. Callahan, to Standard Oil Co. Ion transfer medium for electrochemical reaction apparatus. 3,276,910, 10-4-66, Cl. 136—86.
Grasser, Leo, to Siemens & Halske Aktiengesellschaft. Semiconductor device and method of contacting it. 3,254,393, 6-7-66, Cl. 29—155.5.

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Grasty, William P., to Abbott Laboratories. Container system for radioactive material. 3,256,441, 6–14–66, Cl. 250—108.

Grate, Frank E., to The Williamson Co. Duct fittings connecting means. 3,292,953, 12–20–66, Cl. 285—189.

Gratzer, Antal. Self-feeding, mouth-controlled eating device. 3,228,536, 1–11–66, Cl. 214—1.

Gratzmuller, Jean L. Cooling systems for internal combustion engines. 3,229,456, 1–18–66, Cl. 60—13.

Gratzmuller, Jean L. Supercharging apparatus. 3,232,044, 2–1–66, Cl. 60—13.

Gratzmuller, Jean L. Gear box control mechanism. 3,232,-131, 2–1–66, Cl. 74—364.

Gratzmuller, Jean L. Fuel injection apparatus for internal combustion engines. 3,240,192, 3–15–66, Cl. 123—32.

Gratzmuller, Jean L. Actuating system for simultaneously engaging or disengaging the contacts of multiple circuit breakers. 3,247,338, 4–19–66, Cl. 200—48.

Gratzmuller, Jean L. Rapid response hydraulic system. 3,252,381, 5–24–66, Cl. 91—411.

Gratzmuller, Jean L. Combustion engine system. 3,256,868, 6–21–66, Cl. 123—41.44.

Gratzmuller, Jean L. Injection system for internal combustion engines. 3,294,075, 12–27–66, Cl. 123—139.

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Grau, Wilhelm, and O. Voigt, to Maschinenfabrik Augsburg-Nurnberg A.G. Operator safety device for rotating machinery parts. 3,256,395, 6–14–66, Cl. 200—52.

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Halik, Raymond R., Smith, Streed, and Graven. 3,239,-453.

Graven, Richard G., and V. O. Bowles, to Socony Mobil Oil Co., Inc. Selective conversion of unstable liquids. 3,239,-449, 3–8–66, Cl. 208—143.

Gravenhorst, Arthur E., and R. O. Jordan, to Metalcraft Corp. Miter joint nail. 3,266,361, 8–16–66, Cl. 85—11.

Gravenor, Conrad P., G. J. Govett, and T. Rigg, to The Research Council of Alberta. Hydrometallurgical iron process. 3,244,512, 4–5–66, Cl. 75—111.

Gravenor, Conrad P., G. J. Govett, and T. Rigg, to The Research Council of Alberta. Hydrometallurgical method for selective metal removal. 3,258,332, 6–28–66, Cl. 75—114.

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Graver, Richard B., to Archer-Daniels-Midland Co. Coating compositions comprising carboxyl interpolymers and epoxidized fatty acid esters. 3,236,795, 2–22–66, Cl. 260—23.

Graves, Charles A., D. F. Steiner, and F. C. Hirdler, to Purex Corp., Ltd. Regeneration of brass catalyst utilizing ultrasonic energy and chemical treatment. 3,231,513, 1–25–66, Cl. 252—413.

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Graves, Edward B., and E. J. Bastin, to Picker X-ray Corp., Waite Mfg. Div., Inc. Viewing apparatus for intensified X-ray images having an improved optical system. 3,291,-985, 12–13–66, Cl. 250—77.

Graves, Erving S., Jr., to The Graves Corp. Edge construction for skis. 3,232,630, 2–1–66, Cl. 280—11.13.

Graves, George O. Cereal puffing machine. 3,291,032, 12–13–66, Cl. 99—238.

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Graves, Harold C. Combination tray and seat apparatus. 3,232,662, 2–1–66, Cl. 297—119.

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Gray, Allan P., to Neisler Laboratories, Inc. Indolyletethylpiperidine derivatives. 3,287,461, 11–22–66, Cl. 260—296.

Gray, Allan P., and D. E. Heitmeier, to Neisler Laboratories, Inc. β-Hydroxyphenethyl-amino-s-triazine. 3,274,190, 9–20–66, Cl. 260—249.5.

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Gray, Charles E., J. F. Morgan, and A. O'Neal, to Union Carbide Corp. Seed planter. 3,236,199, 2–22–66, Cl. 111—91.

Gray, Cleo C., to James B. Minturn. Combined takedown packboard and expansible packsack. 3,233,803, 2–8–66, Cl. 224—8.

Gray, Cleo C., to J. B. Minturn. Packsack with stiffener for shoulder straps. 3,254,816, 6–7–66, Cl. 224—8.

Gray, Cornelius, Sr. Conveyor system and means. 3,244,-269, 4–5–66, Cl. 198—177.

Gray, Coy J., and W. R. Owens, to Deering Milliken Research Corp. Method of processing bi-component acrylic fibers. 3,251,113, 5–17–66, Cl. 28—76.

Gray, Cyril, to Associated Electrical Industries Ltd. Electrode assemblies for surge diverters. 3,292,030, 12–13–66, Cl. 313—244.

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Gray, Eugene R., to E. I. du Pont de Nemours and Co. Process for purifying pyromellitic acid. 3,236,885, 2–22–66, Cl. 260—525.

Gray, Eugene R., C. N. Masten, and G. M. Pettingill, to E. I. du Pont de Nemours and Co. Recovery of P-tolualdehyde. 3,284,508, 11–8–66, Cl. 260—599.

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Gray, James L., to Sperry Rand Corp. High resolution, head positioner system. 3,292,168, 12–13–66, Cl. 340—174.1.

Gray, John W., to General Precision, Inc. Signal differential comparator amplifier. 3,227,895, 1–4–65, Cl. 307—88.5.

Gray, John W., to General Precision, Inc. Cosine function integrator. 3,230,359, 1–18–66, Cl. 235—183.

Gray, John W., to General Precision, Inc. Logarithmic analog to digital converter. 3,239,833, 3–8–66, Cl. 340—347.

Gray, John W., to General Precision, Inc. Analog prediction computer. 3,265,869, 8–9–66, Cl. 235—150.28.

Gray, John W., and A. W. Jacobson, to General Precision, Inc. Tracing device. 3,286,028, 11–15–66, Cl. 178—18.

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Gray, Ralph C., to Whirlpool Corp. Magnetic, conveyor rail sweep. 3,249,211, 5–3–66, Cl. 198—229.

Gray, Reginald I., to Minister of Aviation in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Transformer. 3,227,973, 1–4–66, Cl. 333—78.

Gray, Reginald I., to Minister of Aviation in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Radio-frequency interference guard in form of low-pass filter. 3,227,974, 1–4–66, Cl. 333—79.

Gray, Robert A., and A. L. Good, to Robertshaw-Fulton Controls Co. Modulating pneumatic thermostat. 3,259,315, 7–5–66, Cl. 236—37.

Gray, Robert B., to West Point-Pepperell, Inc. Positive let-off for loom. 3,228,428, 1–11–66, Cl. 139—104.

Gray, Robert D. Process for preparing dry flavoring materials from crustaceans. 3,264,116, 8–2–66, Cl. 99—140.

Gray, Robert H. Ratchet tool. 3,255,647, 6–14–66, Cl. 81—63.1.

Gray, Robert H. Reversible hand winch. 3,271,010, 9–6–66, Cl. 254—167.

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Gray, Ronald, and D. G. Jenkins, to Coal Industry (Patents) Ltd. Conveying of particulate material. 3,291,285, 12–13–66, Cl. 198—161.

Gray, Samuel A., to Bell Aerospace Corp. Multi-input control mechanism for hydraulic servo valve. 3,233,623, 2–8–66, Cl. 137—85.

Gray, Samuel A., to Bell Aerospace Corp. Shock damping as for vehicular suspension systems. 3,255,850, 6–14–66, Cl. 188—97.

Gray, Sidney, to Radio Corp. of America. Light coupling device. 3,284,722, 11–8–66, Cl. 331—94.5.

Gray, Stephen B., and J. C. Stoddard, to Sylvania Electric Products Inc. Scan control and normalization character recognition system. 3,295,105, 12–27–66, Cl. 340—146.3.

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Crain, Robert L., and Pierce. 3,287,030.
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Gray, Willard F. M., to General Electric Co. High-temperature insulation for electrical conductors. 3,275,740, 9–27–66, Cl. 174—121.

Gray, Willard F. M., and J. L. McMurphy, to General Electric Co. Porous coatings for electrical conductors and method of forming. 3,288,280, 3–1–66, Cl. 264—103.

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Gray, William O., and B. A. Hilliard, to Esso Research and Engineering Co. Frictional resistance reduction using non-newtonian fluid. 3,289,623, 12–6–66, Cl. 114—67.

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Grayson, Martin, A. E. Sherr, H. C. Gillham, and M. E. Castellion, to American Cyanamid Co. Organophosphorus-copper complex compounds and their use for producing fire retardant plastics. 3,294,870, 12–27–66, Cl. 260—893.

Grayson, Richard D., to International Telephone and Telegraph Corp. System for controlling degree of stratification in hot water heaters. 3,258,005, 6–28–66, Cl. 126—362.

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Greanias, Evon C., to International Business Machines Corp. Electronic servo system. 3,229,100, 1–11–66, Cl. 250—202.

Greanias, Evon C., to International Business Machines Corp. Rotation and size invariant shape recognition apparatus. 3,273,124, 9–13–66, Cl. 340—146.3.

Greanias, Evon C., and A. Hamburgen, to International Business Machines Corp. Character recognition system. 3,247,484, 4–19–66, Cl. 340—146.8.

Greanias, Evon C., and A. Hamburgen, to International Business Machines Corp. Character recognition system. 3,247,485, 4–19–66, Cl. 340—146.8.

Greanias, Evon C., R. J. Norman, and P. F. Meagher, to International Business Machines Corp. Variable resolution curve following apparatus. 3,267,285, 8–16–66, Cl. 250—202.

Greanias, Evon C., and P. F. Meagher, to International Business Machines Corp. Photosensitive electronic servo apparatus for curve following. 3,289,004, 11–29–66, Cl. 250—219.

Greasley, Eric A., to Pressac Ltd. Socket for electric jack plugs. 3,230,496, 1–18–66, Cl. 339—176.

Greasley, Eric A., to Pressac Ltd. Socket for electric jack plugs. 3,230,497, 1–18–66, Cl. 339—176.

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Greatman, Sidney, to A&E Plastik Pak Co., Inc. Carton with cam-latching lid. 3,258,187, 6–28–66, Cl. 229—2.5.

Greatrex, John M., to Foseco International Ltd. Mold dressing composition. 3,235,394, 2–15–66, Cl. 106—38.25.

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Grebe, John J. Propulsion unit and craft for use therewith. 3,227,125, 1–4–66, Cl. 115—1.

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Grebe, John J., J. F. Miller, W. L. Rhinehart, and T. R. Wayt, to The Dow Chemical Co. Foamable silicate composition. 3,268,350, 8–23–66, Cl. 106—75.

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Grebe, Robert K., and E. R. Kreinberg, to AMP Inc. Wire-sensing means. 3,289,445, 12–6–66, Cl. 72—14.

Greber, Henry. Electrical fuse with forced current interruption. 3,265,841, 8–9–66, Cl. 200—132.

Grebner, Fritz, W. Kolsch, and G. Spindler. Rigid lattice girder for floors. 3,283,466, 11–8–66, Cl. 52—652.

Greby, Daniel F., to Textron Inc. Sealed thrust bearing. 3,268,279, 8–23–66, Cl. 308—233.

Greby, Daniel F., to Textron Inc. Sealed ball thrust bearing. 3,272,576, 9–13–66, Cl. 308—233.

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Greco, Saverio G., and R. G. Graven, to Socony Mobil Oil Co., Inc. Purification of hydrogen-rich gas. 3,255,596, 6–14–66, Cl. 62—23.

Greczin, John, to The Singer Co. Multi-feed knitting machine for reinforcing flexible hose or the like. 3,257,828, 6–28–66, Cl. 66—38.

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Greebler, Paul, to United States of America, Atomic Energy Commission. Doppler coefficient control for nuclear reactors operating in the fast or intermediate neutron energy spectrum. 3,266,998, 8–16–66, Cl. 176—41.

Greebler, Paul, to United States of America, Atomic Energy Commission. Moderator reflector fast neutron reactor core. 3,267,001, 8–16–66, Cl. 176—17.

Greebler, Paul, K. M. Horst, E. E. Olich, and B. Wolfe, to United States of America, Atomic Energy Commission. Fuel rod design. 3,274,067, 9–20–66, Cl. 176—68.

Greefkes, Johannes A., to North American Philips Co., Inc. Apparatus for transmitting signals by modulated oscillations of constant amplitude. 3,238,456, 3–1–66, Cl. 325—46.

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Green, Alan C. Remote temperature control system. 3,260,899, 7–12–66, Cl. 317—137.

Green, Albert P., and J. T. Wissmann, to Warner Bros. Pictures, Inc. Reversible synchronous rerecording system. 3,260,909, 7–12–66, Cl. 318—041.

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Green, Edward H. Aerosol valve housing construction and method of making same. Re. 26,012, 5–3–66, Cl. 222—394.

Green, Edward H. Valve structure for pressurized spray package. 3,233,792, 2–8–66, Cl. 222—394.

Green, Edward H. Spray head for aerosol valve. 3,235,140, 2–15–66, Cl. 222—394.

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Green, Milton, to Polaroid Corp. Photographic processes. 3,276,873, 10–4–66, Cl. 96—29.

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Green, Milton, and H. G. Rogers, to Polaroid Corp. Anthraquinone dye developers. 3,253,001, 5–24–66, Cl. 260—378.

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Green, Milton, A. A. Sayigh, and H. Ulrich, to Polaroid Corp. Sulfone-hydroxylamines as photographic developers. 3,287,124, 11–22–66, Cl. 96—29.

Green, Milton, A. A. Sayigh, and H. Ulrich, to Polaroid Corp. Aminoalkyl hydroxylamines as photographic developers. 3,287,125, 11–22–66, Cl. 96—29.

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Green, Milton J. and B. J., and J. J. Chorosevic. Wheel weight. 3,251,230. 5–17–66, Cl. 73—487.

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Green, Milton W., to Radio Corp. of America. Power semiconductor assembly including heat dispersing means. 3,259,814, 7–5–66, Cl. 317—235.

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Greene, Leonard M. Airplane instrument furnishing a condition-modified air speed director signal. 3,282,098, 11–1–66, Cl. 73—178.
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Greenhut, Joseph. Speed responsive safety control. 3,231,-695, 1–25–66, Cl. 200—61.39.
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Greenhut, Marvin S., to Pastemaster, Inc. Process and apparatus for the charging of containers. 3,282,306, 11–1–66, Cl. 141—7.
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Gremion, Robert, to Commissariat a l'Energie Atomique. Methods and devices for determining the mean radius of pores in microporous barriers. 3,256,732, 6–21–66, Cl. 73—38.
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Gridley, William W. Load lifting apparatus. 3,259,369, 7–5–66, Cl. 254—122.
Grieb, Hubert J., to Daimler-Benz Aktiengesellschaft. Gas turbine. 3,252,282, 5–24–66, Cl. 60—35.6.
Grieb, Hubert J., to Daimler-Benz Aktiengesellschaft. Turbine propulsion unit. 3,253,406, 5–31–66, Cl. 60—35.6.
Grieb, Hubert J., to Daimler-Benz Aktiengesellschaft. Two-stage gas turbine propulsion jet unit with thrust diverting means. 3,255,584, 6–14–66, Cl. 60—35.54.
Grieb, Hubert J., to Daimler-Benz Aktiengesellschaft. Two-stage gas turbine propulsion jet unit with thrust diverting means. 3,255,585, 6–14–66, Cl. 60—35.54.
Griebling, Herbert, to R. Winkler and K. Dunnebier. Device for mounting substandard-sized printing plates on an impression cylinder of a rotary printing press. 3,280,881, 1–25–66, Cl. 101—415.1.
Grieder, Charles K. Frame construction for galloping hobby horses. 3,229,995, 1–18–66, Cl. 280—218.
Grieder, William F., to United States of America, Air Force. Multivibrator radiation sensor. 3,268,732, 8–23–66, Cl. 250—206.
Griehl, Wolfgang, and S. Schaaf, to Inventa A.G., fur Forschung und Patentverwertung Lusern. Polyamides containing a phosphate, an alkali iodide and an iron compound as stabilizers. 3,282,892, 11–1–66, Cl. 260—45.75.
Griehl, Wofgang, and H. Luckert, to Inventa A.G. Fur Forschung and Patentverwertung. Process for the manufacture of copolyetheresters. 3,288,755, 11–29–66, Cl. 260—47.
Grieme, Werner J. Animal oiler scratcher. 3,238,923, 3–8–66, Cl. 119—157.
Griemsmann, John W. E.: *See*—
Birenbaum, Leo, and Griemsmann. 3,283,266.
Grier, James S., and S. H. Pines, to Merck & Co., Inc. Purification of steroid phosphates. 3,248,408, 4–26–66, Cl. 260—397.45.
Grier, Robert C., Jr. Leg splint. 3,274,998, 9–27–66, Cl. 128—85.
Griesbach, Horace U., ½ to M. H. Federman, ½0 to Product Promotions & Development Corp, and ½0 to G. W. Gold. Combined writing and cutting instrument. 3,249,091, 5–3–66, Cl. 120—1.
Griese, Elmer W., Jr.: *See*—
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Griese, Elmer W., Jr., to Ekco Containers, Inc. Re-closable hermetically sealed container. 3,245,576, 4–12–66, Cl. 220—53.
Griese, Elmer W., Jr., to Ekco Containers, Inc. Re-closable hermetically sealed container. 3,274,964, 9–27–66, Cl. 113—121.
Grieselhuber, William, and C. B. Sazavsky, to The Western States Machine Co. Centrifugal basket. 3,283,910, 11–8–66, Cl. 210—380.
Griesemer, Raymond H., and W. A. Golland, to Johnson Fare Box Co. Coin sorter using work and feed motor control. 3,239,737, 3–8–66, Cl. 318—39.
Griesemer, Raymond H., and W. A. Golland, to Johnson Fare Box Co. Coin handling device. 3,260,454, 7–12–66, Cl. 235—100.
Griesemer, Raymond H., and W. A. Golland, to Johnson Fare Box Co. Coin handling device. 3,282,272, 11–1–66, Cl. 133—1.
Grieshaber, Gunther S.: *See*—
Winter, Paul H., and Grieshaber. 3,253,111.
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Folkhard, E., and Keller. 3,291,960.
Lotz, Horst K. 3,291,470.
Griesinger, Karl, to L. Schuler Firma A.G. Slot punching machine. 3,286,566, 11–22–66, Cl. 83—68.
Griesmer, Gerard J., and K. Kiyonaga, to Union Carbide Corp. Pressure cycle for molecular sieve separation of normal paraffins from hydrocarbon mixtures. 3,226,914, 1–4–66, Cl. 55—58.
Griesmer, Gerard J., and K. Kiyonaga, to Union Carbide Corp. Pressure cycle for molecular sieve separation of normal paraffins from hydrocarbon mixtures. 3,268,440, 8–23–66, Cl. 208—310.
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Griesser, Friedrich. 3,272,256.
Griesser, Friedrich, to Griesser A.G. Venetian blind and the like. 3,260,302, 7–12–66, Cl. 160—170.
Griesser, Friedrich, to Griesser A.G. Method and apparatus for producing Venetian blind slats. 3,264,724, 8–9–66, Cl. 29—417.
Griesser, Friedrich, to Griesser A.G. Roller shutter and improved method of manufacture thereof. 3,272,256, 9–13–66, Cl. 160—220.
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Dosie, Erwin F., and Golatka. 3,263,358.
Griffeth, Thurman F. Mercury switch system for automotive ignition cut-off. 3,259,202, 7–5–66, Cl. 180—82.
Griffeth, Thurman F. Belt-supported angler's kit. 3,277,599, 10–11–66, Cl. 43—55.
Griffin, Alvin G. Gripping apparatus. 3,247,565, 4–26–66, Cl. 24—263.
Griffin, Benjamin F., Jr., to Sperry Rand Corp. Pneumatic keyboard input devices. 3,270,849, 9–6–66, Cl. 197—15.
Griffin, Bobby F. Automobile floor mat. 3,276,157, 10–4–66, Cl. 40—129.
Griffin, Brian P.: *See*—
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Griffin, Charles F., Jr. Stripping of chromium plate using a solution containing sulfanic acid and a water soluble chloride. 3,262,775, 7–26–66, Cl. 75—97.
Griffin, Daniel J., to The Marquardt Corp. Line generating means and method. 3,252,045, 5–17–66, Cl. 315—18.
Griffin, Desmond C., C. M. Blythe, G. T. Hammond, and M. Popovich, to Royal Typewriter Co., Inc. Pneumatically operated data processing system. 3,228,509, 1–11–66, Cl. 197—20.
Griffin, Edward L., Jr.: *See*—
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Mustakas, Gus C., and Griffin. 3,290,155.
Griffin, Gary W., to American Cyanamid Co. Thermal isomerization of the tetramethyl ester of cis, trans, cis-1,2,3,4-cyclobutane-tetracarboxylic acid. 3,253,016, 5–24–66, Cl. 260—468.
Griffin, George R., P. L. Sciaraffa, and A. J. Travels, to Avco Corp. Solid heat triggered compositions capable of forming a polyurethane foam. 3,280,048, 10–18–66, Cl. 260—2.5.
Griffin, Gordon, Jr.: *See*—
Jackson, Fred D. 3,262,336.
Griffin, Gordon, Sr.: *See*—
Jackson, Fred D. 3,262,336.
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Griffin, Ira L., to Ira L. Griffin & Sons, Inc. Size applicator. 3,284,870, 11–15–66, Cl. 28—28.
Griffin, Ira L., & Sons, Inc.: *See*—
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Griffin, Ira L. 3,284,870.
Griffin, James R., to American Radiator & Standard Sanitary Corp. Method and apparatus for forming openings in tubular members. 3,259,003, 7–5–66, Cl. 83—54.
Griffin, Joan M., to Chas. Pfizer & Co., Inc. Increasing the flavor strength of anethole, cinnamaldehyde and methyl salicylate with maltol. 3,293,045, 12–20–66, Cl. 99—134.
Griffin, John D., to The Dow Chemical Co. Fabrication of foamed plastic articles. 3,243,485, 3–29–66, Cl. 264—51.
Griffin, John J. Packaged direct fired heater. 3,227,143, 1–4–66, Cl. 122—356.
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Griffin, Phil H., III, and J. W. Melton, Jr., to Bass Brothers Enterprises, Inc. Drilling and degassers for oil wells. 3,241,295, 3–22–66, Cl. 55—165.
Griffin, Roger C., Jr., to Reynolds Metals Co. Flexible packaging system. 3,279,511, 10–18–66, Cl. 150—1.
Griffin, Roger C., Jr., and N. A. Lewis III, to Reynolds Metals Co. Method for measuring the corrosion rate of test specimens or the like. 3,259,461, 7–5–66, Cl. 23—230.
Griffin, Rudolph G., and W. J. Hyland, to International Telephone and Telegraph Corp. Hermetic seal for electrical device. 3,248,613, 4–26–66, Cl. 317—230.
Griffin, Victor R. Cushions, and the like. 3,293,671, 12–27–66, Cl. 5—355.
Griffin, Vincent P., to Olympic Stranding Machinery Ltd. Apparatus for the making of strands, ropes, cables and the like. 3,271,942, 9–13–66, Cl. 57—58.32.
Griffin, Warren R. Reclaiming process for fluorocarbon elastomers cross-linked through an amine bridge. 3,291,761, 12–13–66, Cl. 260—2.3.
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Mann, Robert W.. Griffin, and Marston. 3,266,247.
Griffing, Robert S., to Fairchild Hiller Corp. Pressure regulating valve. 3,276,470, 10–4–66. Cl. 137—505.15.
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Griffith, Carroll L.: *See*—
Sair, Louis, and Griffith. 3,252,808.
Griffith, David C., R. E. Jones, and R. L. Rose, to Monsanto Co. Purification of hexamethylenediamine. 3,254,126, 5–31–66, Cl. 260—583.
Griffith, Donald L., B. E. Nowlin, and G. A. Berry, to Custom Component Switches, Inc. Diaphragm switch with volumetrically deformable member. 3,286,059, 11–15–66, Cl. 200—83.

Griffith, Edward D. Seismo-phase method of geophysical exploration. 3,252,130, 5–17–66, Cl. 340—15.5.
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Griffith, Errol R., to Allen Organ Co. Electric musical instrument for producing percussion-type sound effects. 3,270,119, 8–30–66, Cl. 84—1.01.
Griffith, George L., to Trojan Powder Co. Method for extruding explosives. 3,265,778, 8–9–66, Cl. 264—3.
Griffith, George L., G. F. Knotts, and W. L. Schwoyer, to Trojan Powder Co. Extrudable explosive composition of semi-solid or thixotropic consistency containing flake aluminum. 3,238,074, 3–1–66, Cl. 149—2.
Griffith, George L., W. L. Schwoyer, T. P. Dowling, and J. A. Kruppenbach, to Trojan Powder Co. Low detonation rate explosive compositions. 3,252,843, 5–24–66, Cl. 149—55.
Griffith, George L., G. F. Knotts, and W. L. Schwoyer, to Trojan Powder Co. Seismic exploration device and extrudable explosive composition of semi-solid consistency. 3,254,-601, 6–7–66, Cl. 102—24.
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Filipowicz, Edwin A. 3,289,882.
Griffith, James R., to United States of America, Navy. Leak-indicating paints for liquid propellants. 3,266,920, 8–16–66, Cl. 106—195.
Griffith, James R., to United States of America, Navy. Leak-indicating coatings for missiles and rockets. 3,287,156, 11–22–66, Cl. 117—72.
Griffith, John E. Convertible pack and chair. 3,266,686, 8–16–66, Cl. 224—9.
Griffith, Joseph W., to Electro-Glass Laboratories, Inc. Method and apparatus for the vacuum purification of materials. 3,250,608, 5–10–66, Cl. 75—10.
Griffith Laboratories, Inc., The: *See*—
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Griffith, Louis E., to Riley Stoker Corp. Steam generating unit. 3,273,542, 9–20–66, Cl. 122—33.
Griffith, Louis E., to Riley Stoker Corp. Steam generating unit. 3,285,232, 11–15–66, Cl. 122—481.
Griffith, Robert M., to Kaiser Aluminum & Chemical Corp. Method for continuous quenching of aluminum strip. 3,262,-822, 7–26–66, Cl. 148—13.
Griffith, Theodore G., to North American Aviation, Inc. Photographic printing means and method. 3,292,488, 12–20–66, Cl. 88—24.
Griffith, Walter L. Apparatus for dispensing high consistency fluids and semisolids. 3,246,810, 4–19–26, Cl. 222—485.
Griffiths, David H., to Pittsburgh Plate Glass Co. Sized glass fabric and method. 3,227,192, 1–4–66, Cl. 139—420.
Griffiths, David K., and M. A. Orehoski, to United States Steel Corp. Method and apparatus for regulating molten metal teeming rates. 3,253,307, 5–31–66, Cl. 22—84.
Griffiths, Edward G., to Camloc Fastener Corp. Drawhook toggle latch. 3,259,411, 7–5–66, Cl. 292—113.
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Griffiths, Frank K, to Flight Refuelling Ltd. Aerial target towing installations. 3,285,575, 11–15–66, Cl. 254—172.
Griffiths, Gwilym D., to British Nylon Spinners Ltd. Polymerization apparatus. 3,258,313, 6–28–66, Cl. 23—290.
Griffiths, John D., to United States of America, Air Force. Carrier generator for suppressed-carrier single-sideband transmission. 3,230,456, 1–18–66, Cl. 325—329.
Griffiths, Leighton E. Degassing of cathode ray tubes. 3,264,-510, 8–2–66, Cl. 313—176.
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Griffiths, Ralph D. J., to Car-Vac Industries Ltd. Compact vacuum cleaner with storage means. 3,246,359, 4–19–66, Cl. 15—323.
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Griffiths, Vivien, and J. C. McGowan, to Imperial Chemical Industries Ltd. Polyoxymethylene stabilized with aromatic nitro compounds. 3,261,805, 7–19–66, Cl. 260—45.8.
Griffiths, Vivien, and J. C. McGowan, to Imperial Chemical Industries Ltd. Stabilized polyoxymethylenes containing zinc dialkyl dithiophosphate and 2-hydroxy-4-alkoxy benzophenone. 3,293,210, 12–20–66, Cl. 260—45.75.
Griffo, Joseph B., and B. A. Larys, to Rotron Mfg. Co., Inc. Apparatus for fluid treatment. 3,282,030, 11–1–66, Cl. 55—170.
Griffon, Henri. Apparatus for dehydration of pasty substances. 3,266,558, 8–16–66, Cl. 159—44.
Griffon, Henri, and G. Tixier, to Laboratoires Millot. Method of producing a yeast-starch composition. 3,278,312, 10–11–66, Cl. 99—96.
Grigas, Daniel P., and A. P. Martin. Apparatus for applying metallic siding. 3,236,932, 2–22–66, Cl. 174—2.
Griggs, Raymond M. Automobile certificate holder. 3,237,-327, 3–1–66, Cl. 40—10.
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Grignet, Joseph A. R. G., to Centre Scientifique et Technique de l'Industrie Textile Belge, Associations sans But Lucratif. Methods and apparatus for capacitively measuring parameters of the length distribution of textile fibres in a sample. 3,237,098, 2–22–66, Cl. 324—61.
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Grigsby, Jerome W. Tractor step attachment. 3,244,433, 4–5–66, Cl. 280—163.
Grijseels, Robert A., and H. H. Tonen, to Hollandse Signaalapparaten, N.V. System for the simultaneous step-by-step setting of a number of movable elements. 3,230,508, 1–18–66, Cl. 340—154.
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Grillo, Joseph, to General Precision, Inc. Load division in an uninterrupted power system. 3,243,598, 3–29–66, Cl. 307—68.
Grillo, Salvatore J., and W. B. Walker, to United States of America, Navy. Self opening nonporous parachute. 3,229,937, 1–18–66, Cl. 244—149.
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Grim, Earl D.: *See*—
Coyle, Daniel J., and Grim. 3,268,885.
Grim, Earl D., Jr., to Radio Corp. of America. Optical fiber analog digital converter. 3,247,506, 4–19–66, Cl. 340—347.
Grim, Earl D., Jr. Golf club attachable mirror device for determining putting distances. 3,273,891, 9–20–66, Cl. 273—163.
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Grimes, Earl M.: *See*—
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Grimes, Homer J. Drop hammer. 3,233,687, 2–8–66, Cl. 173—83.
Grimes, John J. Jr., and W. A. Lucht, to United States Steel Corp. Stress-relieved stranded wire structure and method of making the same. 3,231,665, 1–25–66, Cl. 174—108.
Grimes, John J., Jr., W. A. Lucht, and R. T. Woodbury, to United States Steel Corp. Stranded wire structures and method of making the same. 3,240,570, 3–15–66, Cl. 29—191.6.
Grimes, Patrick G., to Allis-Chalmers Mfg. Co. Two-phase contactor disks. 3,294,375, 12–27–66, Cl. 261—92.
Grimes, Patrick G., and M. C. Raether, to Allis-Chalmers Mfg. Co. Two-phase disk contactor. 3,266,786, 8–16–66, Cl. 261—92.
Grimes, Willie H., and A. W. Medford. Gear driven wheel retainer nut wrench. 3,292,464, 12–20–66, Cl. 81—57.
Grimland, Charles J., to The Geotechnical Corp. Pneumatic pressure indicator. 3,241,514, 3–22–66, Cl. 116—70.
Grimland, Charles J., and R. F. McMurray, to The Geotechnical Corp. Coordinate plotting and control system. 3,242,772, 3–29–66, Cl. 77—32.2.
Grimm, Albert C., and F. G. Hammersand, to United States of America, Atomic Energy Commission. Electron gun and socket structure. 3,277,326, 10–4–66, Cl. 313—40.
Grimm, Bernard J.: *See*—
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Grimm, Bernard J., and D. W. Jacobus, to General Electric Co. Semi-automatic ice maker with air distributing means. 3,280,584, 10–25–66, Cl. 62—344.
Grimm, Edward M., R. F. Strieby, to Constantfio Machinery Co., Inc. Device for making blocks of vegetable, animal, or mineral matter. 3,230,902, 1–25–66, Cl. 107—14.
Grimm, Forrest R.: *See*—
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Grimm, Forrest R., to General Mills, Inc. Variable speed drive. 3,241,384, 3–22–66, Cl. 74—353.
Grimm, John E., III, to Colgate-Palmolive Co. Air modifying system for vehicles. 3,259,050, 7–5–66, Cl. 98—2.
Grimm, John T., to Crucible Steel Co. of America. Scarfing burner tip. 3,254,696, 6–7–66, Cl. 158—27.4.
Grimm, Keith H., to I-T-E Circuit Breaker Co. High capacity low impedance craneway duct having L-shaped bus bars mounted in a paired phase arrangement. 3,288,911, 11–29–66, Cl. 174—68.
Grimm, Robert T., to Auburn Rubber Co., Inc. Display carton. 3,231,077, 1–25–66, Cl. 206—45.33.
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Grimmeiss, Hermann G., and H. Scholz, to North American Philips Co., Inc. Method of manufacturing a photoconducting device. 3,261,080, 7–19–66, Cl. 29—155.5.

Grimmeiss, Hermann G., and R. Memming, to North American Philips Co., Inc. Method of manufacturing semi-conductor devices using cadmium sulphide semi-conductors. 3,279,962, 10–18–66, Cl. 148—186.
Grimmeiss, Hermann G., W. Kischio, and R. Memming, to North America Philips Co., Inc. Method of manufacturing semiconductor systems comprising cadmium chalcogenide semiconductors. 3,284,262, 11–8–66, Cl. 148—188.
Grimmer, George G., to Otis Engineering Corp. Fluid motor operator having relatively movable working members. 3,232,174, 2–1–66, Cl. 91—170.
Grimmer, George G., to Otis Engineering Corp. Well packer. 3,277,965, 10–11–66, Cl. 166—120.
Grimmer, George G., and L. McCasland, to Otis Engineering Corp. Fluid pressure responsive valve. 3,292,706, 12–20–66, Cl. 166—224.
Grimshaw, Charles, to General Electric Co. Fabric dryer controls. 3,286,363, 11–22–66, Cl. 34—45.
Grimshaw, Norman, to Vitaform Ltd. Cushion supporting members. 3,237,214, 3–1–66, Cl. 5—186.
Grimshaw, Norman, to Vitaform, Ltd. Cushion supports. 3,289,220, 12–6–66, Cl. 5—220.
Grimsley, Arvid K., to American Can Co. Container closure. 3,263,851, 8–2–66, Cl. 215—74.
Grimsley, Arvid K., to American Can Co. Container closure. 3,272,369, 9–13–66, Cl. 215—43.
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Gring, John L., and J. Mooi, to Sinclair Refining Co. Catalytic hydrocarbon conversion process. 3,267,023, 8–16–66, Cl. 208—136.
Gringer, Donald, to Allway Mfg. Co., Inc. Tool and protective package therefor. 3,227,268, 1–4–66, Cl. 206—46.
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Boteler, Henry W. 3,257,097.
Boteler, Henry W. 3,275,292.
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Grinnell, John P., and M. E. Dail, to Pyrofax Gas Corp. Tobacco curing system. 3,233,883, 2–8–66, Cl. 263—19.
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Grinnell, Stuart W.: *See*—
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Grinshpun, Valery J.: *See*—
Nemtsov, Mark S., Kachalova, Romanova, Kalinicheva, Shenderovich, Mandelshtam, Arkharov, Zlatkin, and Grinshpun. 3,290,403.
Grinwald, Mathias E., to Aquatic Controls Corp. Marine harvester with compressor means. 3,286,447, 11–22–66, Cl. 56—9.
Griot, Rudolf G., to Sandoz Inc. Thiadiazine dioxides. 3,257,395, 6–21–66, Cl. 260—243.
Griot, Rudolf G., to Sandoz, Inc. Anti-convulsant compounds. 3,271,404, 9–6–66, Cl. 260—294.7.
Griot, Rudolf G., to Sandoz Inc. Tricyclic quinazolinones. 3,280,117, 10–18–66, Cl. 260—243.
Griot, Rudolf, A. Frey, and A. Hofmann, to Sandoz Ltd., (a.k.a. Sandoz A.G.). Process for D-lysergic acid halide hydrohalides. 3,280,129, 10–18–66, Cl. 260—285.5.
Gripe, Maxwell L., to The Bendix Corp. Anti-skid system. 3,232,676, 2–1–66, Cl. 303—21.
Grippo, Louis S. Detachable magazine. 3,235,994, 2–22–66, Cl. 42—50.
Grisay, Henri J. D., to R. Dewas. Weaving machine. 3,237,-648, 3–1–66, Cl. 139—1.
Grisebach, Hans-Theodor, to Gewerkschaft Elsenhutte Westfalia. Mine prop assembly. 3,241,323, 3–22–66, Cl. 61—45.
Grisham, Charles R., and L. D. Stanberry. Beverage containing and dispensing enclosure. 3,291,331, 12–13–66, Cl. 215—1.
Grisham, William H. Satellite net configured for uninterrupted global coverage and dynamically balanced tracking. 3,243,706, 3–29–66, Cl. 325—15.
Griswold, Augustus W., to Xerox Corp. Document feeder. 3,239,213, 3–8–66, Cl. 271—35.
Griswold, Augustus W., to Xerox Corp. Sheet feeding apparatus. 3,276,770, 10–4–66, Cl. 271—10.
Griswold Controls: *See*—
Griswold, David E., and Wingert. 3,256,905.
Griswold, David E., to D. G. Griswold. Automatic pilot control means for, and method of operating a water softener system. 3,278,424, 10–11–66, Cl. 210—35.
Griswold, David E., and J. L. Wingert, to Griswold Controls. Single and multiple rate-of-flow control valves. 3,256,905, 6–21–66, Cl. 137—454.2.
Griswold, Donald G.: *See*—
Chard, Miles M. 3,252,477.
Ensign, Harold W. 3,261,382.
Ensign, Harold W. 3,283,772.
Griswold, David E. 3,278,424.
Settles, John D. 3,257,598.
Wyckoff, Fred K. 3,276,465.
Griswold, Edward A. Electrostatic filter for cleaning dielectric fluids. 3,252,885, 5–24–66, Cl. 204—302.
Griswold, Marie H.: *See*—
Wolfner, William F., Wallace, Soltis, Griswold, and Montgomery. 3,256,025.
Griswold, Merle H., G. L. Soltis, and J. G. Wallace, to Dictaphone Corp. Dictation apparatus. 3,239,230, 3–8–66, Cl. 274—21.
Griswold, Stanley M., to United Shoe Machinery Corp. Sheet stiffener material for shoes. 3,238,089, 3–1–66, Cl. 162—108.
Griswold, Thomas W., to Continental Device Corp. Method for controlling diffusion of an active impurity material into a semiconductor body. 3,247,032, 4–19–66, Cl. 148—188.
Griswold, Wallace R., to Collins Radio Co. Hold-down for aviation equipment with friction non-turn device. 3,282,-316, 11–1–66, Cl. 151—41.5.
Griswold, William J.: *See*—
Trombatore, Sam S., Bradtke, and Griswold. 3,262,374.
Grivas, John C.: *See*—
Ziegler, Peter, and Grivas. 3,275,665.
Grizzaffi, Charles: *See*—
Cooper, Joseph F., and Grizzaffi. 3,246,562.
Grob, Benjamin, to Grob Inc. Aerating device. 3,235,877, 2–15–66, Cl. 239—17.
Grob, Benjamin, to Grob Inc. Power transmitting element. 3,293,884, 12–27–66, Cl. 64—23.
Grob & Co. A.G.: *See*—
Koch, Bernhard. 3,246,091.
Grob, Erwin, to C. P. Baker & Co. Liquid detergent. 3,265,-625, 8–9–66, Cl. 252—152.
Grob, Hans, to Maag Gear Wheel & Machine Co. Ltd. Process for generating sprocket wheels. 3,276,324, 10–4–66, Cl. 90—4.
Grob Inc.: *See*—
Grob, Benjamin. 3,235,877.
Grob, Benjamin. 3,293,884.
Grob, Karl: *See*—
Eisenlohr, Karl-Heinz, Grob, and Herbert. 3,277,185.
Grobe, Wolfgang, to International Standard Electric Corp. Magnetic latching relay. 3,263,134, 7–26–66, Cl. 317—172.
Grobe, Wolfgang, to International Standard Electric Corp. Cylindrical electro-magnet. 3,284,745, 11–8–66, Cl. 335—213.
Grobe, Wolfgang, and E. Mattes, to International Standard Electric Corp. Relay with armature contacts, particularly reed contacts. 3,273,088, 9–13–66, Cl. 335—153.
Grobecker, Hugh H.: *See*—
Loebel, Frederick A., and Grobecker. 3,232,280.
Grobman, William: *See*—
Moser, Henry W., and Grobman. 3,282,175.
Grobman, William, to Samuel M. Langston Co. Method for manufacturing a taped box. 3,264,954, 8–9–66, Cl. 93—36.
Grobman, William, A. Buttle, and C. B. Tobias, to Samuel M. Langston Co. Glued flap box blank air hold down mechanism. 3,292,503, 12–20–66, Cl. 93—36.
Grodberg, Sidney, and A. D. Howard. Paint roller and method of making same. 3,226,799, 1–4–66, Cl. 29—120.
Grodinsky, Robert M.: *See*—
Anderson, Walter J., and Grodinsky. 3,267,200.
Grodinsky, Robert M., and C. R. Evans, to Gibson, Inc. Noise limiter and signal level control for electronic amplifiers. 3,278,672, 10–11–66, Cl. 84—1.27.
Grody, Donald R. Paper cutting machine. 3,290,976, 12–13–66, Cl. 83—302.
Grodzki, Walter J., Jr.: *See*—
Korski, Frank S., and Grodzki. 3,261,707.
Groeber, Eugen, to Sperry Rand Corp. Fluid logic apparatus. 3,232,305, 2–1–66, Cl. 137—81.5.

Groeber, Eugen, to Sperry Rand Corp. Fluid logic apparatus. 3,267,948, 8–23–66, Cl. 137—81.5.

Groeber, Eugen, and G. H. Thorne, Sr., to Sperry Rand Corp. Fluid logic device. 3,266,507, 8–16–66, Cl. 137—81.5.

Groeneveld, Yme B. F. J.: *See* Dijksterhuis, Popko R., Groeneveld, and Verhey. 3,231,-661.

Groenke, Merlin A., to Portable Elevator Mfg. Co. Cultivating apparatus with side section lift. 3,255,830, 6–14–66, Cl. 172—456.

Groenke, Merlin A., to Portable Elevator Mfg. Co. Adjustable spring clamp shank assembly. 3,258,076, 6–28–66, Cl. 172—710.

Grof, Tibor T. Process for detarnishing and inhibiting copper and copper alloys. 3,274,114, 9–20–66, Cl. 252—100.

Groff, Christian R. Bowling game target. 3,227,448, 1–4–66, Cl. 273—41.

Groff, Emory L., to E. L. Groff, Jr. Holder for automobile identification means. 3,260,486, 7–12–66, Cl. 248—41.

Groff, Emory L., to Poor & Co. Rail joint. 3,288,369, 11–29–66, Cl. 238—243.

Groff, Emory L., to Poor & Co. Synthetic railway tie. 3,289,940, 12–6–66, Cl. 238—29.

Groff, Emory L., and C. T. Walker, to Poor & Co. Method of making rail anchor. 3,290,419, 12–6–66, Cl. 264—103.

Groff, Emory L., Jr.: *See* Groff, Emory L. 3,260,486.

Grogan, Charles H.: *See* Rice, Leonard M., and Grogan. 3,256,277.

Grogan, Charles H., and C. F. Geschickter, to The Geschickter Fund for Medical Research, Inc. Spiroimides. 3,236,862, 2–22–66, Cl. 260—326.5.

Grogan, Charles H., and L. M. Rice, to The Geschickter Fund for Medical Research, Inc. Azaspiranes. 3,238,217, 3–1–66, Cl. 260—294.7.

Grogan, Charles H., and L. M. Rice, to The Geschickter Fund for Medical Research, Inc. Substituted spiroimides. 3,256,276, 6–14–66, Cl. 260—247.1.

Grogan, Charles H., and L. M. Rice, to Tri-Kem Corp. Polycyclic acids, anhydrides, imides and amines. 3,257,398, 6–21–66, Cl. 260—247.5.

Grogan, Charles H., and L. M. Rice, to The Geschickter Fund for Medical Research, Inc. Unsymmetrically substituted 3, 9-diazaspiro (5.5) undecane compounds. 3,282,947, 11–1–66, Cl. 260—293.

Grogel, Merrill A., to Reynolds Metals Co. Pie plate construction. 3,229,886, 1–18–66, Cl. 229—3.5.

Groh, Henry, to Yardney International Corp. Method of preparing stable silver-containing compositions. 3,255,223, 6–7–66, Cl. 260—414.

Grohe, Hans, Kommanditgesellschaft: *See* Luder, Ernst, and Buzzi. 3,259,350.

Gröhl, Edmund. Device for the production of unicoloured and multicoloured tufted materials. 3,255,730, 6–14–66, Cl. 118—624.

Grohsbach, Alfred. Steering mechanism. 3,256,749, 6–21–66, Cl. 74—497.

Grolee, Jean. Apparatus for the treatment of the contaminated air from aluminum electrolysis. 3,248,177, 4–26–66, Cl. 23—262.

Groll, Alvin F. Strip stock feeder. 3,240,044, 3–15–66, Cl. 72—166.

Groll, Alvin F. Strip stock feeder. 3,261,194, 7–19–66, Cl. 72—161.

Gromek, Michael T.: *See* Myer, Jon H., and Gromek. 3,272,195.

Gromelle, Andre: *See* Artru, Andre L. J. 3,291,499.

Grommers, Einte P., and G. C. Vegter, to Shell Oil Co. Emulsion polymerization of a terpolymer comprising a vinyl ester of an alpha-branched carbosylic acid. 3,294,727, 12–27–66, Cl. 260—29.6.

Grondin, George F., and R. L. McGhie, to Collins Radio Co. Means for dividing a frequency by any number. 3,230,352, 1–18–66, Cl. 235—156.

Grone, Heinz: *See* Pampus, Gottfried, Grone, and Witte. 3,277,182.
Süling, Carlhans, Grone, Kuntz, and Marzolph. 3,252,951.

Gronemann, Richard: *See* Stadler, Hans, Gronemann, and Gawlick. 3,286,460.

Gronemeyer, Erich W.: *See* Kutik, Louis F. 3,284,854.

Gronemeyer, Herbert W., Jr.: *See* Pitman, Raymond F., Broderson, and Gronemeyer. 3,262,-582.

Groner, Stanley, and A. S. Neidle, to American Machine & Foundry Co. Clamping device. 3,278,193, 10–11–66, Cl. 279—4.

Gronholz, Le Roy F., and J. M. Quinn, to E. I. du Pont de Nemours and Co. Process for biaxially orienting polypropylene film. 3,271,495, 9–6–66, Cl. 264—210.

Gronier, Jean. Automatic hair-cutting machine having programmed control means for cutting hair in a predetermined style. 3,241,562, 3–22–66, Cl. 132—45.

Gronlund, Sven O. Welding machine for seam flanges of sheets. 3,264,446, 8–2–66, Cl. 219—82.

Gronquist, Wesley W., to The Ray-Dee Co. Transfer file for side filing. 3,279,873, 10–18–66, Cl. 312—259.

Grontz, Bernard J., Jr.: *See* Glausser, Wayne E., Unruh, and Grontz. 3,267,907.

Groo, Floyd: *See* Cox, Clifford B., and Valdespino. 3,288,100.
Valdespino, Joe M., Cox, and Groo. 3,293,890.

Grooks, Gerald R.: *See* Abner, Thomas L., Grooks, and Williston. 3,261,136.

Grookshank, Fred T.: *See* Badgett, Lloyd F., Hencke, and Grookshank. 3,242,082.

Groom, Thomas, IV. Bookbinding package and method. 3,256,029, 6–14–66, Cl. 281—21.

Grooms, Franklin H., to Allis-Chalmers Mfg. Co. Brush lifting device for dynamoelectric machines. 3,278,777, 10–11–66, Cl. 310—240.

Groos, Horst H., to Schloemann Aktiengesellschaft. Frames of heavy machine tools particularly forging presses and the like. 3,243,988, 4–5–66, Cl. 72—455.

Groot, Dirk J.: *See* Van der Feyst, Willem H. 3,245,331.

Grootenhuis, Peter, ½ to Derritron Ltd. Electromechanical vibrators. 3,234,782, 2–15–66, Cl. 73—71.6.

Groovfold Fabricators, Inc.: *See* Cornell, Richard R. 3,277,624.

Groov-Pin Corp.: *See* Colman, George. 3,260,150.

Grop, Olof S. Cigarette lighters. 3,280,598, 10–25–66, Cl. 67—7.1.

Gropp, Walter E., and D. Landman, to Berg Electronics, Inc. Electrical connector. 3,293,355, 12–20–66, Cl. 174—84.

Groppe, Alvin F., to Chemetron Corp. Method and apparatus for filling vessels. 3,272,238, 9–13–66, Cl. 141—5.

Groppe, Donald J., L. A. Dever, and R. C. Brasington, to The Cincinnati Milling Machine Co. Machine tool transmission. 3,260,127, 7–12–66, Cl. 74—339.

Gropper, Alex: *See* Gropper, Harry. 3,252,176.

Gropper, Harry, deceased (A. Gropper, and A. M. Diamond, executors), to Dow Chemical Co. Detergent pad. 3,252,-176. 5–24–66, Cl. 15—209.

Grosbety, Gaston d. J. Bean grader. 3,241,667, 3–22–66, Cl. 209—98.

Grose, Ansel B. Valve. 3,269,406, 8–30–66, Cl. 137—436.

Grosh, James L., to United Aircraft Corp. Apparatus for changing a helical winding angle. 3,228,616, 1–11–66, Cl. 242—7.

Gros-Ite Industries, Inc.: *See* Everett, George. 3,278,985.

Grosjean, Marc, to Roussel-UCLAF, S.A. Registering apparatus for measuring circular microism. 3,257,894, 6–28–66, Cl. 88—14.

Grosklos, Rill L., to American Cyanamid Co. Auramine process using sulfamic acid. 3,268,585, 8–23–66, Cl. 260—566.

Grosman, Vladimir A.: *See* Mjagkov, Vadim I., Grigorjev, Grosman, Durnov, Koblov, Kozlova, and Shtapel. 3,267,195.

Grospas, Pierre. Impact drilling apparatus with continuous flushing. 3,237,704, 3–1–66, Cl. 175—92.

Grospas, Pierre. Drive device for percussion drills, pile drivers and other rammers. 3,256,945, 6–21–66, Cl. 173—88.

Gross, Albert: *See* Thiele, Kurt, and Gross. 3,251,858.

Gross, Arthur R. Control system for battery driven vehicle having accelerator-brake interlock. 3,241,019, 3–15–66, Cl. 318—139.

Gross, Arthur R., to Gross-Given Mfg. Co. Dispensing device for vending machines. 3,286,880, 11–22–66, Cl. 221—82.

Gross-Benne, Willi: *See* Beermann, Paul, and Gross-Benne. 3,260,206.

Gross, Charles J., to Hoague-Sprague Corp. Box forming machines. 3,237,535, 3–1–66, Cl. 93—49.

Gross, Frank C. Method of carton erection. 3,233,528, 2–8–66, Cl. 93—36.

Gross, Frank C. Carton. 3,276,659, 10–4–66, Cl. 229—16.

Gross, Frank D.: *See* Rudisch, Walter E., and Gross. 3,282,389.

Gross, Frank J.: *See* Shaw, John T., Gross, and Madison. 3,252,751.

Gross, Franz, to Siemens & Halske Aktiengesellschaft. Delay line for travelling wave tubes. 3,243,735, 3–29–66, Cl. 333—31.

Gross, George: *See* Jensen, William E., Gross, and Morris. 3,289,548.

Gross-Given Mfg. Co.: *See* Gross, Arthur R. 3,286,880.

Gross, Howard H.: *See* Woodle, Robert A., and Gross. 3,291,727.

Gross, Howard H., R. Smith, and H. L. Spencer, Jr., to Texaco Inc. Solvent separation of highly concentrated aromatic extracts. 3,287,260, 11–22–66, Cl. 208—321.

Gross, James R.: *See* Bertea, Octavian, Seagle, and Gross. 3,294,594.

Gross, Jenoe. Double V ram guide for high frequency heat sealing machine. 3,239,404, 3–8–66, Cl. 156—380.

Gross, Louis E., to Unity Mfg. Co. Automobile luggage carrier. 3,237,823, 3–1–66, Cl. 224—42.1.

Gross, Martin, to Heimlich Bros., Inc. Magnetic sewing machine guide. 3,263,634, 8–2–66, Cl. 112—153.

Gross, Maynard C.: *See* Smitzer, Louis A., Gawin, Gross, Balint, and Bixby. 3,283,680.

Gross, Peter L.: *See* Braithwaite, David G., D'Amico, Gross, and Hanzel. 3,287,249.

Gross, Philip S. Educational means and method. 3,281,-960, 11–1–66, Cl. 35—9.

Gross, Reinhold J., to United States of America, Air Force. Rota-vane parachute. 3,228,637, 1–11–66, Cl. 244—152.

Gross, Robert. Photo-album. 3,265,072, 8–9–66, Cl. 129—20.

Gross, Samuel, and H. Berger, to Lloyds Laboratory. Injecting press and flask holder therefor. 3,246,368, 4–19–66, Cl. 18—30.

Gross, William B., to Performance Measurement Co. Fluid blending apparatus using digital computing means. 3,229,-077, 1–11–66, Cl. 235—151.

Grosse, Aristid V., and A. G. Streng, to United States of America, Navy. Process of making dioxygen chlorine trifluoride. 3,285,842, 11–15–66, Cl. 204—157.1.

Grossenheider, Howard C., and R. A. Hathaway, to Zenith Radio Corp. Record changer mechanism. 3,240,498, 3–15–66, Cl. 274—10.

Grosser, Frederick: *See* Hort, Eugene V., and Grosser. 3,294,729.
Hort, Eugene V., Grosser, and Schwartz. 3,294,765.

Grosser, Frederick, and M. R. Leibowitz, to General Aniline & Film Corp. Process of preparing a stable aqueous emulsion. 3,244,657, 4–5–66, Cl. 260—29.6.

Grosser, Frederick, and M. R. Leibowitz, to General Aniline & Film Corp. Process of preparing a stable aqueous emulsion. 3,244,658, 4–5–66, Cl. 260—29.6.

Grosser, Frederick, and E. V. Hort, to General Aniline & Film Corp. Ethylidene-bis-3-(2-pyrrolidone). 3,252,995, 5–24–66, Cl. 260—326.5.

Grosser, Frederick, E. V. Hort, and A. Schwartz, to General Aniline & Film Corp. Methods of polymerizing N-vinyl lactams with a metal oxide or hydroxide and water catalyst. 3,277,066, 10–4–66, Cl. 260—88.3.

Grossett, Alfred H., to Dunlop Rubber Co. Ltd. Pneumatic tire. 3,272,251, 9–13–66, Cl. 152—188.

Grosshans, Georges F.: *See* Ollier, Jacques G. H., Grosshans, and Masson. 3,267,-639.

Grossinger, John S., to Crane Co. Electric baseboard heating system. 3,261,964, 7–19–66, Cl. 219—365.

Grosskopf, Carl B., to Flygts Pumper, Aktiebolaget. Impeller, particularly with one or more channels. 3,234,887, 2–15–66, Cl. 103—115.

Grosskopf, Rudolf: *See* Marx, Erwin, Erk, Ann, Schaper, Kruckewitt, Grosskopf, Konig, and Apostel. 3,281,561.

Grossman, Abraham, to Aluminum Extrusion Co. Mullion and rail composite curtain wall construction. 3,266,210, 8–16–66, Cl. 52—690.

Grossman, Abraham, and P. P. Connor; said Connor assor. to said Grossman. Tiltable beds. 3,284,815, 11–15–66, Cl. 5—62.

Grossman, Harold. Cornice mounting for shower curtains. 3,291,430, 12–13–66, Cl. 248—264.

Grossman, Manny. Window cover acting as storm window. 3,251,399. 5–17–66. Cl. 160—180.

Grossman, Milton J.: *See* Beaman, Charles W., and Grossman. 3,244,272.

Grossmann, Paul, to Ciba Ltd. 1,8-diamino-2,7-dibromo-4,5-di-succinimido anthraquinone. 3,234,234, 2–8–66, Cl. 260—326.3.

Grossmann, Paul, to Ciba Ltd. Acylated tetramino-dihaloanthraquinones. 3,282,967, 11–1–66, Cl. 260—377.

Grossman Robert M., to McGraw Laboratories, Inc. Sterile instrument package. 3,255,880, 6–14–66, Cl. 206—78.

Grossman, Robert M., and W. S. Garrett, Jr., to McGaw Laboratories, Inc. Ball band for parenteral solution bottles. 3,259,262, 7–5–66, Cl. 215—100.

Grossmann, Ladislau. Device for facilitating the parking of vehicles. 3,246,710., 4–19–66, Cl. 180—1.

Grosso, Patrick F., to Minnesota Mining and Mfg. Co. Lithographic printing plate with vacuum deposited image. 3,289,578, 12–6–66, Cl. 101—149.2.

Grossoehme, Floyd, to General Electric Co. Mounting of solid state electronic components. 3,292,050, 12–13–66, Cl. 317—100.

Grossteinbeck, Rolf: *See* Willicks, Winifred, Grossteinbeck, and Tepel. 3,227,608.

Grosswiller, Leo J., Jr., to Diebold, Inc. Deal drawer construction for bank drive-up windows. 3,237,853, 3–1–66, Cl. 232—43.3.

Grosswiller, Leo J., Jr., and D. O. Kettering, to Diebold, Inc. Air shifter construction for pneumatic systems. 3,232,559, 2–1–66, Cl. 243—2.

Grosswiller, Leo J. Jr., and H. C. Obermiller, to Diebold, Inc. Pneumatic system carrier arrester construction. 3,237,881, 3–1–66, Cl. 243—19.

Grosswiller, Leo J., Jr., and H. C. Obermiller, to Diebold, Inc. Pneumatic system terminal apparatus. 3,237,882, 3–1–66, Cl. 243—19.

Grosswiller, Leo J., Jr., and J. C. Duncan, to Diebold, Inc. Pneumatic system carrier construction. 3,237,884, 3–1–66, Cl. 243—34.

Grosswiller, Leo J., Jr., and H. C. Obermiller, to Diebold, Inc. Banking service equipment door safety construction. 3,237,933, 3–1–66, Cl. 268—74.

Grostick, Norman L., to The Bin-Dicator Co. Liquid level indicator. 3,283,092, 11–1–66, Cl. 200—61.2.

Grosvalet, Jean, to C.S.F.-Compagnie Generale de Telegraphie Sans Fil. Field-effect transistor devices. 3,275,908, 9–27–66, Cl. 317—235.

Grosvalet, Jean, and P. Leclerc, to C.S.F.-Compagnie Generale de Telegraphie Sans Fil. Methods for manufacturing semiconductor devices. 3,257,246, 6–21–66, Cl. 148—175.

Grosz, Oliver: *See* Fitzpatrick, Joseph W., Lohmann, and Grosz. 3,240,551.

Grotta, Henry M., M. N. Lugasch, deceased (by P. T. Lugasch, heir), to Martin-Marietta Corp. Method for making photolithographic plate. 3,284,198, 11–8–66, Cl. 96—33.

Grote & Hartmann: *See* Hartmann, Fritz, Jr., and Konnemann. 3,228,207.

Grote, Herbert F. Combined throttle and brake control mechanism. 3,232,898, 2–1–66, Cl. 192—3.

Grote Mfg. Co.: *See* Grote, Walter F. 3,226,760.
Grote, Walter F. 3,253,485.
Newman, Charles J., and Biere. 3,260,559.

Grote, Richard, to Siemens & Halske Aktiengesellschaft. Party line circuit arrangement. 3,277,242, 10–4–66, Cl. 179—17.

Grote, Walter F., to Grote Mfg. Co. Window cleaner bottle. 3,226,760, 1–4–66, Cl. 15—531.

Grote, Walter F., to Grote Mfg. Co. Radiator cap remover. 3,253,485, 5–31–66, Cl. 81—3.1.

Grote, Walter F., and E. J. Kimmel. Telephone answering device. 3,248,481, 4–26–66, Cl. 179—1.

Groteke, Daniel E., to American Radiator & Standard Sanitary Corp. Coated mold and method of coating same. 3,266,107, 8–16–66, Cl. 22—192.

Groten, Arnold, to North American Philips Co., Inc. Method of coating surface with solder. 3,261,713, 7–19–66, Cl. 117—212.

Grotewohl, John W.: *See* Hicks, Frederick W., Jr., and Grotewohl. 3,246,728.

Grotewold, Hans W., to FMC Corp. Fruit transfer mechanism. 3,259,253, 7–5–66, Cl. 214—1.

Groth, Bertil S.: *See* Reinhall, Rolf B., and Groth. 3,236,589.

Groth, Bertil S. Method of working up crude sodium carbonate. 3,236,591, 2–22–66, Cl. 23—63.

Groth, Fred A., and P. Meisner, to Dynamics Corp. of America. Pressure forming of plastic film. 3,258,813, 7–5–66, Cl. 18—19.

Groth, Helen R.: *See* Dahl, Eileen C., Groth, and Hall. 3,248,016.

Groth, John A., to Westinghouse Air Brake Co. Quick release valve device. 3,285,267, 11–15–66, Cl. 137—102.

Groth, Kenneth H.: *See* Theits, Russell M., Groth, Medin, and Lay. 3,280,562.

Groth, Kurt, and W. Lehmann, to Polytype AG. Rotary printing apparatus. 3,282,202, 11–1–66, Cl. 101—37.

Groth, Richard H.: *See* Clarke, Richard G., Groth, and Duzak. 3,274,125.

Grothusmann, Gunter: *See* Fleckenstein, Hans, and Grothusmann. 3,281,636.

Grotnes Machine Works, Inc.: *See* Garver, Oscar W., Ullman, Stettler, and Kopp. 3,233,072.

Grötsch, Horst: *See* Schramm, Gerhard, Grötsch, and Pollmann. 3,236,830.
Schramm, Gerhard, Grotsch, and Pollmann. 3,278,518.

Grotta, Henry M., and M. N. Lugasch, deceased (by P. T. Lugasch, heir), to Martin-Marietta Corp. Carbazolediazonium dichloride and method for making same. 3,258,468, 6–28–66, Cl. 260—315.

Grotta, Henry M., and M. N. Lugasch, deceased; (by P. T. Lugasch, heir), to Martin-Marietta Corp. Carbazolediazonium acid 1,6-tetrazonium dichloride. 3,291,786, 12–13–66, Cl. 260—141.

Grotta, Henry M., and M. N. Lugasch, deceased; (by P. T. Lugasch, heir), to Martin-Marietta Corp. Carbazolediazonium acid 3,6-tetrazonium dichloride. 3,291,787, 12–13–66, Cl. 260—141.

Grottola, Ernest: *See* Grottola, Oresto, Shumard, and E. Grottola. 3,294,350.

Grottola, Oresto, K. C. Shumard, and E. Grottola. Article holder. 3,294,350, 12–27–66, Cl. 248—113.

Grottrup, Helmut, to International Standard Electric Corp. Line-at-a-time printer. 3,233,540, 2–8–66, Cl. 101—93.

Gröttrup, Helmut, to Siemens & Halske Aktiengesellschaft. Motor-driven impulse sender having a preselector for setting the number of impulses to be transmitted. 3,236,447, 2–22–66, Cl. 235—132.

Gröttrup, Helmut, to International Standard Electric Corp. Character recognition by contour following. 3,245,036, 4–5–66, Cl. 340—146.3.

Groupement Atomique Alsacienne Atlantique: *See* Archer, Jacques, and Boiron. 3,289,484.
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Grout, V. K., Plugs Ltd.: *See* Wilkie, Raymond E., and Kelner. 3,243,933.

Grove, Earl I., to Gar Wood Industries, Inc. Flexible electrical cable. 3,265,803, 8–9–66, Cl. 174—15.

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Grove, Gene A., and P. E. Caron, to Weyerhaeuser Co. Method of making a moldable wood fiber mat with metal insert. 3,279,048, 10–18–66, Cl. 29—432.

Grove, John L., to Grove Mfg. Co. Telescopic crane boom with longitudinally extending cylinder connector. 3,243,-052, 3–29–66, Cl. 212—55.

Grove, John L., and B. A. Stevens, to Grove Mfg. Co. Bogie suspension for convertible railway-highway vehicle. 3,263,-628, 8–2–66, Cl. 105—215.

Grove, Louis C., Jr., and R. T. Innis, to Westinghouse Electric Corp. Electrohydraulic metal forming system and method. 3,253,442, 5–31–66, Cl. 72—56.

Grove Mfg. Co.: *See*
Grove, John L. 3,243,052.
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Grove, Marvin H. Valve seal construction. 3,235,224, 2–15–66, Cl. 251—174.

Grove, Marvin H., to M & J Engineering Co. Method for manufacture of valve bodies. 3,239,921, 3–15–66, Cl. 29—157.1.

Grove, Marvin H. Gate valve construction. 3,260,503, 7–12–66, Cl. 251—329.

Grove, Marvin H. Valve operator. 3,268,204, 8–23–66, Cl. 251—234.

Grove, Marvin H. Valve construction. 3,269,695, 8–30–66, Cl. 251—174.

Grove, Marvin H. Valve bonnet construction. 3,279,747, 10–18–66, Cl. 251—329.

Grove, Marvin H. Method for manufacture of valve sealing means. 3,293,342, 12–20–66, Cl. 264—157.

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Grove, Wayne M., to Hewlett-Packard Co. Two-diode balanced signal sampling apparatus. 3,278,763, 10–11–66, Cl. 307—88.5.

Grove, William A.: *See*
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Grover Co., The: *See*
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Grover, George M., to United States of America, Atomic Energy Commission. Evaporation-condensation heat transfer device. 3,229,759, 1–18–66, Cl. 165—105.

Grover, George M., to United States of America, Atomic Energy Commission. Pancake reactor. 3,243,613, 3–29–66, Cl. 310—4.

Grover, Lafayette C. Multiposter. 3,283,428, 11–8–66, Cl. 40—36.

Grover, Martin M., and J. B. Marks, to Pittsburgh Plate Glass Co. Process for separating poly vinylbutyral from a plasticized mixture. 3,256,212, 6–14–66, Cl. 260—2.3.

Grover, Philip D., to Grover Products Corp. Over-center snap switch. 3,275,773, 9–27–66, Cl. 200—138.

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Grover, Philip D. 3,275,773.

Groves, Henry W., and L. Goodwin, to Hawker Siddeley Dynamics Ltd. Air condition systems. 3,289,436, 12–6–66, Cl. 62—402.

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Groves, James D., to British Titan Products Co. Ltd. Method and apparatus for the treatment of aluminum. 3,271,132, 9–6–66, Cl. 75—68.

Groves, James H., L. E. Hoag, and R. J. Zukowski, to American Can Co. Solder flux for a can body. 3,266,949, 8–16–66, Cl. 148—23.

Groves, John A., to Adams Brothers Mfg. Co. Pressure bottle filling apparatus. 3,260,286, 7–12–66, Cl. 141—21.

Groves, John C., J. R. Penrose, and J. H. Millar; said Groves and said Penrose, assors. to said Millar. Apparatus for making helically wound pipes or tubes. 3,269,632, 8–30–66, Cl. 228—15.

Groves, John N., and H. E. Reichert, to Westinghouse Electric Corp. Circuit interrupter with thermal trip means. 3,240,903, 3–15–66, Cl. 200—116.

Groves, Kenneth O.: *See*
Davis, Ralph A., and Groves. 3,228,936.

Groves, Kenneth O., D. A. Rausch, and R. A. Davis, to The Dow Chemical Co. Preparation of difluoroamine. 3,228,747, 1–11–66, Cl. 23—14.

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Groves, Roy H., R. R. Greene, and J. D. Boak, to Rockwell-Standard Corp. Taper roll machine and method. 3,233,444, 2–8–66, Cl. 72—207.

Grow, Richard W.: *See*
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Birdsall, Charles K., White, and Grow. 3,258,639.

Growald, Bert, and R. M. Levy, to Allied Paper Corp. Method of making heat reactive copying paper. 3,228,785, 1–11–66, Cl. 117—36.7.

Growald, Bert, and R. M. Levy, to Allied Paper Corp. Material for photographic reproduction comprising a condensation product of formaldehyde and an amidogen, a polyacid resin and a diazo composition. 3,244,523, 4–5–66, Cl. 96—75.

Growdon, Richard R., A. J. Pelletier, H. D. Hamilton, and J. D. Maloney, Jr., to The Mead Corp. Air current-seal for work confined-pool coater. 3,252,443, 5–24–66, Cl. 118—407.

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Grubb, Charles E.: *See*
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Grubb, Gunnar A., to Electrolux, Aktiebolaget. Absorption refrigeration. 3,253,421, 5–31–66, Cl. 62—148.

Grubb, Gunnar A., to Electrolux Aktiebolaget. Heat operated refrigerator operable on gas or electricity. 3,284,610, 11–8–66, Cl. 219—279.

Grubb, Harold R., to International Business Machines Corp. Fluid-operated shift register. 3,250,470, 5–10–66, Cl. 235—201.

Grubb, Harold R., to International Business Machines Corp. Fluid logic trigger. 3,253,605, 5–31–66, Cl. 137—81.5.

Grubb, Hollis C.: *See*
Weller, Peter A., and Grubb. 3,232,074.

Grubb, Milton D., ½ to N. S. King. Boat hull drain assembly. 3,289,625, 12–6–66, Cl. 114—183.

Grubbs, William J., to Savin Business Machines Corp. Toner control system. 3,233,781, 2–8–66, Cl. 222—57.

Grube, Dietrich. Apparatus for forcing a mandrel through a billet and for forcing the mandrel and billet into a tube rolling mill. 3,267,718, 8–23–66, Cl. 72—422.

Grube, Dietrich, K. Warnke, and F. Sommerfeld, to Schloemann Aktiengesellschaft. Machines for annealing the welded seams of longitudinally welded tubes. 3,265,378, 8–9–66, Cl. 266—5.

Gruber, Bernard A., to Monsanto Co. Method of preparing fibrous silicon carbide. 3,246,950, 4–19–66, Cl. 23—208.

Gruber, Bernard A., to Monsanto Co. Boron phosphides. 3,260,571, 7–12–66, Cl. 23—204.

Gruber, Bernard A., to Monsanto Research Corp. Tape fed fuel cell. 3,260,620, 7–12–66, Cl. 136—86.

Gruber, Bernard A., and R. R. Kafesjian, to Monsanto Research Corp. Fuel cell having a tape coated with silver peroxide. 3,293,080, 12–20–66, Cl. 136—86.

Gruber, Elmer J., to Surgical Appliance Industries, Inc. Truss pad and method of manufacture. 3,265,064, 8–9–66, Cl. 128—95.

Gruber, Harold M., and L. H. Haag, to The Polymer Corp. Fluidized bed coating process and product. 3,264,371, 8–2–66, Cl. 260—857.

Gruber, Helmut, and H. Stephan, to W. C. Heraeus G.m.b.H. Apparatus for melting metals under high vacuum. 3,267,529, 8–23–66, Cl. 22—57.2.

Gruber, Hermann: *See*
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Gruber, Julius: *See*
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Gruber, Robert. Tool for picking tubular key cylinder locks. 3,251,206, 5–17–66, Cl. 70—394.

Gruber, Warren M., to Tinius Olsen Testing Machine Co. Control mechanism for universal testing machines. 3,245,253, 4–12–66, Cl. 73—91.

Gruber, Wilhelm: *See*
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Gruber, Wilhelm, to Röhm & Haas G.m.b.H. Preparation of cyanogen chloride. 3,245,754, 4–12–66, Cl. 23—14.

Gruber, Wilhelm, to Rohm & Haas G.m.b.H. Preparation of cyanformimide esters. 3,256,309, 6–14–66, Cl. 260—453.

Gruber, Wilhelm, to Röhm & Haas G.m.b.H. Preparation of cyanformic acid esters. 3,256,319, 6–14–66, Cl. 260—478.

Gruber, Wilhelm F., to E. I. du Pont de Nemours and Co. 2-(3-azabicyclo[3,2,0]hept-ylthio)benzothiazole. 3,246,006, 4–12–66, Cl. 260—306.6.

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Grudoski, Daniel A., to Blazon, Inc. Slide spray device. 3,246,892, 4–19–66, Cl. 272—56.5.

Grudoski, Daniel P., to Blazon, Inc. Playground swing with rigid guard members. 3,235,256, 2–15–66, Cl. 272—87.

Grudoski, Daniel P., to Blazon, Inc. Airglide suspension device. 3,271,029, 9–6–66, Cl. 272—87.

Grudoski, Daniel P., to Blazon, Inc. Play slide. 3,273,887, 9–20–66, Cl. 272—56.5.

Gruene, Horst, E. Justi, and A. Winsel, to Siemens-Schuckertwerke A.G. and Varta Aktiengesellschaft. Porous sintered body and method of preparation. 3,260,576, 7–12–66, Cl. 29—182.5.

Gruenenfelder, Albert L. Rubber band propelled arrow gun. 3,265,054, 8–9–66, Cl. 124—22.

Gruenewaelder, Lou A. Means for centrifugally clarifying water containing sewage sludges and the like. 3,260,369, 17–12–66, Cl. 210—297.

Gruenewaelder, Lou A. Means and methods for tree surgery. 3,286,400, 11–22–66, Cl. 47—8.

Gruenfeld, Norbert: *See*
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Gruenfeld, Norbert, to Geigy Chemical Corp. Certain tetrahydrobenzindole derivatives. 3,232,953, 2–1–66, Cl. 260—319.

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Gruetjen, Frederick A., to Harnischfeger Corp. Method and apparatus for making cored arc electrodes. 3,245,141, 4–12–66, Cl. 29—428.

Gruetter, Werner K., G. J. Gendron, H. M. McCall, and H. A. N. Holland, to Raymond International Inc. Apparatus for corrugating metal tubing. 3,260,088, 7–12–66, Cl. 72—103.

Gruettner, Gerard G., and H. Bonheim, to Atlas Recording Machines Corp. Ticket machines. 3,255,653, 6–14–66, Cl. 83—96.

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Gruhl, Wolfgang, to Rheinische Blattmetall Aktiengesellschaft. Etched metal foil for electrolytic capacitors and the like consisting of silver-aluminum alloys. 3,258,318, 6–28–66, Cl. 29—183.

Gruich, Michael, and W. E. Wason, to Meco-Matic, Inc. Looper. 3,236,430, 2–22–66, Cl. 226—119.

Gruich, Michael M., W. E. Wason, and R. J. Weaver. Compression testing machine. 3,262,310, 7–26–66, Cl. 73—94.

Grujanac, Peter: *See*
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Grulke, Carl A., and J. D. Ruggiero, to Union Carbide Corp. Method of producing refractory body bonded by an aluminum nitride-aluminum boride composition. 3,236,663, 2–22–66, Cl. 106—56.

Gruller, David L., to Cameron Iron Works, Inc. Valve. 3,275,032, 9–27–66, Cl. 137—608.

Grumbein, Raymond. Gas torch. 3,260,465, 7–12–66, Cl. 239—430.

Grumm, Walter, to Otto Construction Corp. Coke oven. 3,252,872, 5–24–66, Cl. 202—141.

Grumman, Eugene V., to The Bullard Co. Electronic level. 3,286,357, 11–22–66, Cl. 33—215.

Grunau, Gerhard, G. Pahl, and J. Czardybon, to Honeywell Gesellschaft mit beschraenkter Haftung. Reversible valve actuator. 3,244,191, 4–5–66, Cl. 137—271.

Grünbaum, Heinrich. Winding apparatus and method. 3,243,135, 3–29–66, Cl. 242—67.5.

Grunbaum, Heinrich, to Dr. C. Schachenmann & Co. Friction clutch. 3,287,935, 11–29–66, Cl. 64—30.

Grunder, Hans-Rudolf, to Rieter Machine Works Ltd. Pulling device for woolen yarn drafting arrangements. 3,276,196, 10–4–66, Cl. 57—51.

Grundhauser, Frank J.: *See*
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Krauss, Otto, Meinherz, Link, Kraus, and Schneider. 3,268,049.
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Grundmann, John F. Fluid flow control apparatus. 3,269,298, 8–30–66, Cl. 99—289.

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Bartlo, John S., and Grundmann. 3,264,799.

Grundtner, Robert R., to Dodge Mfg. Corp. Shaft coupling. 3,283,535, 11–8–66, Cl. 64—11.

Grüne, Horst, E. Justi, and A. Winsel, to Varta Aktiengesellschaft and Siemens-Schuckertwerke, A.G. Process for the production of multiple layer gas diffusion electrodes. 3,244,515, 4–5–66, Cl. 75—208.

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Gruner, Heinz E. R., and L. J. Meyers, to Bausch & Lomb Inc. Tiltable lens mounting for optical projectors. 3,262,360, 7–26–66, Cl. 88—24.

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Grunert, Ranald K.: *See*
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Grunewald, Kurt H.: *See*
Schonfeldt, Nikolaus A., Grunewald, and Steijner. 3,282,779.

Grunfelder, Philip J., and L. L. Sevebeck, to Western Electric Co., Inc. Multiple switching apparatus. 3,240,885, 3–15–66, Cl. 200—5.

Grunig, Hans, to Maschinenfabrick Winkler, Fallert & Co. A.G. Cylinder cover clamp. 3,260,200, 7–12–66, Cl. 101—415.1.

Grunig, Hans, to Maschinenfabrik Winkler, Fallert & Co., AG. Adjustment lock for printing press rollers. 3,276,362, 10–4–66, Cl. 101—216.

Grunning, Sven, and E. Nordmark. Multifilament lamps with a full shield for one filament. 3,293,475, 12–20–66, Cl. 313—117.

Grunwald, Arthur A., and R. K. Richardson, to CTS Corp. Clutch means for multiple turn variable resistor. 3,242,452, 3–22–66, Cl. 338—174.

Grunwald, Frank M., to General Electric Co. Sound reproducing device. 3,292,931, 12–20–66, Cl. 274—2.

Grunwald, John J., to MacDermid, Inc. Compositions for and methods of removing gold deposits by chemical action. 3,242,090, 3–22–66, Cl. 252—79.1.

Grunwald, Peter M., to Western Electric Co., Inc. Apparatus for feeding articles. 3,240,332, 3–15–66, Cl. 209—75.

Grunwald, Peter M., to Western Electric Co., Inc. Apparatus for feeding articles. 3,282,397, 11–1–66, Cl. 198—33.

Grunwald, Wilbur E., to United States of America, Army. Pneumatic accelerometer. 3,263,505, 8–2–66, Cl. 73—515.

Grunwaldt, Gottfried K. B. T., to North American Philips Co., Inc. Transistorised timer for vehicle indicator lamps. 3,240,989, 3–15–66, Cl. 315—77.

Gruodis, Algirdas J., to International Business Machines Corp. Tunnel diode logic circuit for asynchronous signal operation. 3,265,903, 8–9–66, Cl. 307—88.5.

Gruodis, Algirdas J., to International Business Machines Corp. Switching circuits employing surface potential controlled semiconductor devices. 3,289,009, 11–29–66, Cl. 307—88.5.

Gruodis, Algirdas J., L. K. Lange, and W. H. McAnney, to International Business Machines Corp. Switching circuits employing Esaki diodes. 3,230,387, 1–18–66, Cl. 307—88.5.

Grupen, James L. Electric switch with longitudinally spaced terminals and a body of conductive fluid movable relative to said terminals. 3,278,713, 10–11–66, Cl. 200—152.

Grupp, John, Sr.: *See*
Heyde, Harvey P. 3,280,792.

Grushkin, Bernard: *See*
Rice, Rip G., and Grushkin. 3,260,685.
Rice, Rip G., Grushkin, and Ament. 3,234,273.
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Grushon, Harold N.: *See*
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Gruska, Casimir F., to American Home Products Corp. Can opener assembly. 3,289,294, 12–6–66, Cl. 30—9.

Gruss, Leonard L.: *See*
McNeill, William, and Gruss. 3,293,158.

Grüssner, André, and O. Schnider, to Hoffmann-La Roche Inc. Arylamides of beta, beta-dimethyl-alpha, gamma-dihydroxy butyric acid and their alkanoyl ester derivatives. 3,264,344, 8–2–66, Cl. 260—490.

Grussner, Andre, and O. Schnider, to Hoffmann-La Roche Inc. 2,4-dialkoxy-5,6-hydrocarbylene-3-nitropyridines. 3,271,403, 9–6–66, Cl. 260—289.

Grust, Gerhard: *See*
Debmelt, Friedrich W., and Grust. 3,261,727.
Debmelt, Friedrich-Wilhelm, and Grust. 3,245,846.

Grut, Hugo T. Variable pitch propeller or rotor. 3,292,710, 12–20–66, Cl. 170—160.1.

Grutsch, James F., to Standard Oil Co. Desulfurization of hydrocarbon oils. 3,258,421, 6–28–66, Cl. 208—206.

Gruver, Jerry T., to Phillips Petroleum Co. Diene elastomers cured with mercapto-terminated liquid diene polymer. 3,240,844, 3–15–66, Cl. 260—894.

Gruver, Jerry T., to Phillips Petroleum Co. Low modulus rubber materials and the preparation thereof. 3,264,251, 8–2–66, Cl. 260—41.

Gruver, Jerry T., and G. Kraus, to Phillips Petroleum Co. Rubbery polymer-acidic carbon black-carboxylic acid mixtures cured with organic peroxides. 3,257,346, 6–21–66, Cl. 260—23.

Gruver, John H., to Addressograph-Multigraph Corp. Ribbon feed. 3,282,508, 2–1–66, Cl. 226—114.

Gruver, Morris E., Jr., to Pfaudler Permutit Inc. Method for clarifying fats and oils. 3,261,546, 7–19–66, Cl. 233—20.

Gruvris, Anders. Apparatus for spreading road materials. 3,285,147, 11–15–66, Cl. 94—44.

Gruyelle, Raymond: *See*
Wauthier, Jean N. 3,277,502.

Grycko, Carl E., to I-T-E Circuit Breaker Co. Inductively coupled thermally responsive member. 3,235,690, 2–15–66. Cl. 200—116.

Gryctko, Carl E., to I-T-E Circuit Breaker Co. Circuit breaker mechanism having auxiliary features mounted within an electrically isolated housing compartment. 3,243,-563, 3-29-66, Cl. 200—168.

Gryctko, Carl E., to I-T-E Circuit Breaker Co. Loosely mounted independent coupling means for adjusting contact pressure and contact arm position. 3,268,702, 8-23-66, Cl. 200—170.

Gryctko, Carl E., to I-T-E Circuit Breaker Co. Interlock defeater for current limiting circuit breakers. 3,280,280, 10-18-66, Cl. 200—114.

Gryctko, Carl E., and J. C. Brumfield, to I-T-E Circuit Breaker Co. Circuit breaker device including stop means for limiting contact arm movement. 3,239,638, 3-8-66, Cl. 200—166.

Gryctko, Carl E., and M. V. Zubaty, to I-T-E Circuit Breaker Co. Thermal trip unit with calibrating adjustment. 3,249,-720, 5-3-66, Cl. 200—122.

Gryctko, Carl E., and W. H. Edmunds, to I-T-E Circuit Breaker Co. Housing and interlock for bolt connected current limiting fuses. 3,287,521, 11-22-66, Cl. 200—114.

Grygera, James W., and A. H. Smith, to Eaton Yale & Towne, Inc. Positioning control. 3,268,047, 8-23-66, Cl. 192—144.

Grysiak, Michael, Jr., to Norvel Co., Inc. Re-refining of lubricating oils. 3,282,827. 11-1-66, Cl. 208—180.

Grzymislawski, Stanislas, to Glaces de Boussois. Apparatus for cutting glass. 3,280,677, 10-25-66, Cl. 83—8.

Grzywacz, Walter: *See*—
Spangenberg, Donald N., and Grzywacz. 3,230,349.

Gsching, Wilhelm, to Voith-Getriebe KG. Power transmission arrangement for self-propelled vehicles with machine to be driven thereby. 3,248,969, 5-3-66, Cl. 74—664.

Gschwandtner, Erich, to North American Philips Co., Inc. Circuit for coupling a transistor to an angular modulation detector. 3,290,608, 12-6-66, Cl. 329—103.

Gschwind, Hans W., and R. H. Huebel, to United States of America, Air Force. Frequency and phase controlled synchronization circuit. 3,271,688, 9-6-66, Cl. 328—55.

Gsell, Ernest A., to Gsell Textile Printing & Finishing Corp. Method of printing in a continuous circuit. 3,246,599, 4-19-66, Cl. 101—120.

Gsell, Ernest A., to Gsell Textile Printing & Finishing Corp. Printing apparatus comprising two tables and printing machine transfer means. 3,256,809, 6-21-66, Cl. 101—123.

Gsell Textile Printing & Finishing Corp.: *See*—
Gsell, Ernest A. 3,246,599.
Gsell, Ernest A. 3,256,809.

Gualano, Emil V. Automobile carrier attachment. 3,253,754, 5-31-66, Cl. 224—42.1.

Gualdieri, Alfred F., Sr., and M. A. Plantin. Anode shifting device for electroplating apparatus. 3,256,171, 6-14-66, Cl. 204—225.

Guaranteed Weather, Inc.: *See*—
Clark, Morton L. 3,227,149.
Clark, Morton L. 3,292,685.

Guard, Gilbert M., to Westinghouse Electric Corp. Vending machine interlock. 3,278,079, 10-11-66, Cl. 221—125.

Guardian Chemical Corp.: *See*—
Globus, Alfred R. 3,257,450.

Guardian Electric Mfg. Co.: *See*—
Hrynewycz, Orest. 3,295,078.
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Obszarny, Theodore J., Rowell, Schmidt, and Wright. 3,239,630.
Obszarny, Theodore J., Rowell, Schmidt, and Wright. 3,242,285.
Schmidt, John, Jr. 3,258,571.

Guarino, Nicholas A. Gauge with plural adjusting means for sheet metal working presses. 3,260,087, 7-12-66, Cl. 72—36.

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Symon, Ted, and Guarnaccio. 3,240,703.

Guarnaccio, Anthony J., to Universal Oil Products Co. Process for recovery of boron halides. 3,231,334, 1-25-66, Cl. 23—205.

Guarnaccio, Anthony J., to Universal Oil Products Co. Halogenated aromatic phosphate esters. 3,246,052, 4-12-66, Cl. 260—951.

Guarnaschelli, Stephen. Method of making plastic lined metal tubing. 3,239,931, 3-15-66, Cl. 29—520.

Guarnaschelli, Stephen. Rotatable pipe joint. 3,241,867, 3-22-66, Cl. 285—109.

Guarnera, Frank J.: *See*—
Alling, John, Munson, and Guarnera. 3,235,176.

Guarnieri, Robert J., to Barnes Engineering Co. Black coating for fragile infrared radiation detectors. 3,267,403, 8-16-66, Cl. 338—18.

Guarrera, John J. Circuit for controlling electromechanical load. 3,248,633, 4-26-66, Cl. 320—1.

Guastella, Samuel, E. J. Guerra, D. D. Uong, and W. F. Uhl, to Litton Industries, Inc. Planographic printing plates. 3,227,075, 1-4-66, Cl. 101—149.2.

Gubash, Peter J. Shoelace holder. 3,276,083. 10-4-66, Cl. 24—117.

Gubash, Peter J. Ice skimmer. 3,289,850, 12-6-66, Cl. 210—470.

Gubbins, Charles H., to Wolf Electric Tools Ltd. Electrically driven equipment. 3,242,998, 3-29-66, Cl. 173—163.

Gubbins, Harry L., Jr., to Lear Siegler, Inc. Safety circuit for acceleration compensation pendulum controls. 3,284,-799, 2-15-66, Cl. 74—5.47.

Gubelmann, Walter S.: *See*—
Ridder, Eric, and Gubelmann. 3,228,372.

Gubitose, Nicholas F.: *See*—
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Gubitose, Nicholas F., and J. J. Monahan, to Western Electric Co., Inc. Apparatus for assembling switches. 3,273,989, 9-20-66, Cl. 65—154.

Gubitz, Franklyn W., to Sterling Drug Inc. Mercury derivatives of propylhydantoins. 3,285,928, 11-15-66, Cl. 260—299.

Gubler, Kurt: *See*—
Knusli, Enrico, and Gubler. 3,240,667.
Knusli, Enrico, and Gubler. 3,280,161.

Gubner, Richard S.: *See*—
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Gucker, George C., to Sperry Rand Corp., Ford Instrument Co. Division. Synchro simulator transformer systems. 3,238,-441, 3-1-66, Cl. 323—43.5.

Gudelis, David A.: *See*—
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Guder, Charles A., to Waters Mfg., Inc. Hybrid phone patch. 3,234,333, 2-8-66, Cl. 179—6.

Gudheim, Arne R. Horizontally axised evaporator of the rotary wiped thin film type. 3,253,643, 5-31-66, Cl. 159—6.

Gudheim, Arne R. Thin-film processing apparatus. 3,261,-391, 7-19-66, Cl. 159—6.

Gudmundsen, Austin, to McCulloch Corp. Sprocket for chain saw. 3,279,272. 10-18-66, Cl. 74—243.

Guebert, Kenneth W., and J. D. Laman, to The Dow Chemical Co. Removal of microorganisms from fluids. 3,243,073, 3-22-66, Cl. 210—64.

Guenter, Richard G., to United States of America, Army. Smokeless powder manufacture. 3,239,583, 3-8-66, Cl. 264—3.

Guenther, Emmerich: *See*—
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Guenther, John R., and R. B. Mesrobian, to Continental Can Co., Inc. Production of cured resin bodies by radiation pre-gelling and hot curing. 3,246,054, 4-12-66, Cl. 264—22.

Guenther, Karl R., to Esso Research and Engineering Co. Copolymers of alpha olefin and reactive omega alkenyl silanes. 3,240,768, 3-15-66, Cl. 260—88.1.

Guenther, Robert F., Jr., and R. G. Martin, to Controls Co. of America. Dryer control device and timer. 3,271,877, 9-13-66, Cl. 34—45.

Guenther, Rudolph H. Ventilators. 3,242,848, 3-29-66, Cl. 98—68.

Guenther, Wolfgang: *See*—
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Guentner, Robert L., and E. P. Thomas, to Westinghouse Electric Corp. X-ray apparatus. 3,260,164, 7-12-66, Cl. 91—5.

Guercio, Anthony M., and H. F. May, to Bell Telephone Laboratories, Inc. Magnetic core scanning arrangement for electronic telephone switching system. 3,254,157, 5-31-66, Cl. 179—18.

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Guerin de Montgareuil, Pierre, and D. Domine, to l'Air Liquide, Societe Anonyme Pour l'Etude et l'Exploitation des Procedes Georges Claude. Process for separating a binary gas mixture by contact with an adsorbent. 3,242,645, 3-29-66, Cl. 55—58.

Guerin, Jean, and J. Aigueperse, to Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine. Process for producing sodium cyanide. 3,241,911, 3-22-66, Cl. 23—79.

Guérin, Robert. Devices for homogenizing a mixture by ultrasound vibrations. 3,285,579, 11-15-66, Cl. 259—4.

Guerne, William, to Brevets Aero-Mecaniques S.A. Impact fuzes for spinning explosive projectiles and more particularly to base-detonating fuzes of the type equipped with a mechanical auto-destruction device. 3,270,670, 9-6-66, Cl. 102—79.

Guernsey, Edwin O., to Mobil Oil Corp. Method of operating a nuclear reactor and of carrying out radiation chemical reactions. 3,294,643, 12-27-66, Cl. 176—37.

Guernsey, James E., and E. J. Shlosser, to J. E. Guernsey, and E. J. Shlosser, d.b.a. J & E Mfg. Co. Moistening device for gummed labels or the like. 3,282,246, 11-1-66, Cl. 118—264.

Guernsey, Robert W.: *See*—
Flanigan, Eugene E., Guernsey, Roan and Zeek. 3,237,-404.

Guerra, Edward J.: *See*—
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Guerrieri, Salvatore A., to The Lummus Co. Process heater. 3,267,910, 8-23-66, Cl. 122—356.

Guerrieri, Salvatore A., to The Lummus Co. Process heater and finned tube therefor. 3,269,363, 8-30-66, Cl. 122—356.

Guerrieri, Salvatore A., to The Lummus Co. Process heater. 3,269,465, 8-30-66, Cl. 122—356.

Guerrieri, Salvatore A., to The Lummus Co. Process heater. 3,276,436, 10-4-66, Cl. 122—356.

Guerrieri, Salvatore A., and M. J. P. Bogart, to The Lummus Co. Multiple-effect evaporation utilizing submerged combustion heat. 3,285,834, 11-15-66, Cl. 203—25.

Guerth, Fritz A. Pulse position modulation system. 3,258,-755, 6-28-66, Cl. 840—174.1.

Guerth, Fritz A. Magnetic readout and display system. 3,289,190, 11-29-66, Cl. 340—174.1.

Guest, Francis G.: *See*—
Caddy, Edward W. J., and Guest. 3,243,188.
Caddy, Edward W. J., and Guest, I. D. and L. V. 3,243,-187.

Guest, Iris D.: *See*—
Caddy, Edward W. J., and Guest. 3,243,188.
Caddy, Edward W. J., and Guest, I. D., and L. V. 3,243,-187.

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Guest, Lawrence V.: *See*—
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Guetersloh, Donald G., and R. E. Tarter, to General Motors Corp. Magnetic pulse generator with cup-shaped rotor members. 3,258,550. 6-28-66, Cl. 200—19.

Guetschow, Harold R. Ice thickness control. 3,251,195, 5-17-66, Cl. 62—139.

Guetschow, Harold R. Feed control for whipped food freezers. 3,290,015, 12-6-66, Cl. 259—9.

Guettel, Marvin A., to Square D Co. Control circuit. 3,258,-697, 6-28-66, Cl. 828—63.

Guettler, Herbert W. Barking drum. 3,269,438, 8-30-66, Cl. 144—208.

Gueugnier, Guy J. P., to Friedrich Kocks Firma. Method and apparatus for the continuous manufacture of welded metal tubes. 3,230,336, 1-18-66, Cl. 219—8.5.

Gueugnier, Guy J. P., to Friedrich Kocks, Firma. Device for treating a product in continuous movement, such as a tube or wire. 3,267,253, 8-16-66, Cl. 219—155.

Guex, Waldemar: *See*—
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Guey, Daniel A., and M. A. Briez, to La Brosse & J. Dupont Reunis. Machine for assembling brushes. 3,260,549, 7-12-66, Cl. 300—5.

Guffan, Samuel. Adjustable window shade. 3,265,116, 8-9-66, Cl. 160—121.

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Wade, James C., and Guge. 3,246,582.

Gugel, Walter: *See*—
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Gugelot, Hans: *See*—
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Denk, Richard, Gugelot, Sukopp, and Reichl. 3,256,793.

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Guggenberger, Johann, to Holstein & Kappert Machinenfabrik. Method for dissolving gases in liquids. 3,282,571. 11-1-66, Cl. 261—1.

Guggenheim, Howard J., and L. F. Johnson, to Bell Telephone Laboratories, Inc. Laser utilizing rare earth activated yttrium and lanthanum trifluoride active media. 3,233,-189, 2-1-66, Cl. 331—94.5.

Gugler, Victor F.: *See*—
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Guglielmo, Richard J., Sr., to Poly-Chem Development Corp. Bowling pin with plastic shell and expanded plastic core. 3,229,977, 1-18-66, Cl. 273—82.

Guglielmo, Richard J., Sr., to Poly-Chem Development Corp. Synthetic material bowling pin with uniform density. 3,229,978, 1-18-66, Cl. 273—82.

Gugliotta, Guy F. Casting accessory for fishing tackle. 3,261,123, 7-19-66, Cl. 43—19.

Gugliotta, Paul. Movable roof structure. 3,288,158, 11-29-66, Cl. 135—5.

Guibeaud, Georges. Gear change control device for automotive vehicles. 3,280,946, 10-25-66, Cl. 192—92.

Guibert, Martin M., and C. S. Skinner, Jr., to The Boeing Co. Deburring apparatus. 3,230,669, 1-25-66, Cl. 51—7.

Guice, Frank L. Container. 3,286,390, 11-22-66, Cl. 43—57.5.

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Guichard, Roland, to North American Philips Co., Inc. Safety guard for fan. 3,261,544, 7-19-66, Cl. 230—275.

Guicheney, Francois, to Ateliers & Chantiers De La Manche. Handling devices for fishing nets. 3,261,122, 7-19-66, Cl. 43—8.

Guichon, Lloyd J., and N. T. Volsk, to W. J. Voit Rubber Corp. Variable speed ribbon winding machine. 3,268,380, 8-23-66, Cl. 156—130.

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Guienne, Paul, to Societe Bertin & Cie. Gas supply apparatus for ground-effect platforms with multiple air cushions. 3,233,692, 2-8-66, Cl. 180—7.

Guienne, Paul F., to Societe Bertin & Cie. Devices for landing parachuted loads. 3,266,757, 8-16-66, Cl. 244—138.

Guiffrida, Philip, to Electronics Corp. of America. Control apparatus. 3,281,812, 10-25-66, Cl. 340—214.

Guignard, Jean H., to Societe de Prospection Electrique Schlumberger, S.A. Telemetering encoder system. 3,274,-576, 9-20-66, Cl. 340—183.

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Guilbert, Nicholas R., Jr., to Guilbert, Inc. Unloading apparatus for dumbwaiters and the like. 3,237,789, 3-1-66, Cl. 214—95.

Guild, Charles L., to Shell Oil Co. Expansible mandrel. 3,284,834, 8-9-66, Cl. 61—53.72.

Guild, Charles L., and W. B. Goodman. Clamps for attaching earth entering elements to driving elements. 3,227,483, 1-4-66, Cl. 294—88.

Guild, Charles L., and W. B. Goodman. Clamps for attaching earth entering elements to driving elements. 3,241,326, 3-22-66, Cl. 61—63.

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Guilford, Earl E., to The Dow Chemical Co. Method and apparatus for skiving foam sheets. 3,230,803, 1-25-66, Cl. 82—46.

Guilford, Earl E., to The Dow Chemical Co. Apparatus for skiving foam sheets. 3,250,161, 5-10-66, Cl. 82—101.

Guillant, André, to Optique et Precision de Levallois. Optical instrument with liquid mirror for locating ground point vertically aligned with overhead sighting point. 3,242,792, 3-29-66, Cl. 88—2.3.

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Guillet, James E., to Eastman Kodak Co. Process for the polymerization of ethylenically unsaturated compounds in the presence of branched chain diacyl peroxide catalysts. 3,232,921, 2-1-66, Cl. 260—94.9.

Guillet, James E., to Eastman Kodak Co. Anhydrides of diperoxy dicarboxylic acids and their use as polymerization catalysts. 3,287,338, 11-22-66, Cl. 260—89.1.

Guillet, James E., J. P. Hawk, and E. B. Towne, to Eastman Kodak Co. Novel diacyl peroxides and polymerization processes employing same. 3,232,922, 2-1-66, Cl. 260—94.9.

Guillet, James E., and H. W. Coover, Jr., to Eastman Kodak Co. Polyethylene modified with polypropylene wax. 3,243,-395, 3-29-66, Cl. 260—28.5.

Guillet, James E., and E. B. Towne, to Eastman Kodak Co. Esters of diperoxy carbonic acid and polymerization processes employing the same. 3,287,337, 11-22-66, Cl. 260—89.1.

Guillon, Jacques S., and C. W. Sorensen, to Massey-Ferguson Industries Ltd. Furniture assembling device. Re. 26,105, 11-1-66, Cl. 312—255.

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Guillotin, Jean, to Societe de Recherches et d'Exploitation d'Inventions Guillotin. Straw feed mechanism for combine. 3,229,696, 1-18-66, Cl. 130—27.

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Gustafson, Harry C. Swab making apparatus. 3,263,280, 8–2–66, Cl. 19—145.3.

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Hagedorn, Erwin E., to Owens-Illinois Inc. Ultraviolet light-absorbing glass. 3,291,621, 12–13–66, Cl. 106—52.

Hagedorn, Fred B., to Bell Telephone Laboratories, Inc. Cryotron gate structure. 3,233,199, 2–1–66, Cl. 338—32.

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Hagelbarger, David W., to Bell Telephone Laboratories, Inc. Continuous digital error-correcting system. 3,227,999, 1–4–66, Cl. 340—146.1.

Hagelbarger, David W., W. G. Hall, and W. A. Malthaner, to Bell Telephone Laboratories, Inc. Automation of telephone information service. 3,242,470, 3–22–66, Cl. 340—172.5.

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Hageman, Howard A., and W. L. Hubbard, to United States Rubber Co. N-disubstituted amino maleimides and succinimides. 3,257,414, 6–21–66, Cl. 260—326.5.

Hageman, Howard A., and W. L. Hubbard, to United States Rubber Co. Derivatives of N-amino-3,6-endomethylene(and 3,6-endoxy)-Δ4-tetrahydrophthalamic acid. 3,277,111, 10–4–66, Cl. 260—326.

Hageman, James R., to Whirlpool Corp. Window washer with vacuum pick-up. 3,254,360, 6–7–66, Cl. 15—402.

Hagemann, Julius, deceased (by M. Hagemann, executrix), and D. H. Brunk, to United States of America, Navy. Independent direction reference system. 3,277,430, 10–4–66, Cl. 340—3.

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Hagemeyer, Hugh J., Jr., to Eastman Kodak Co. Production of acrylonitrile and methacrylonitrile by the thermal cracking of saturated nitriles. 3,247,237, 4–19–66, Cl. 260—465.9.

Hagemeyer, Hugh J., Jr., and S. H. Johnson, Jr., to Eastman Kodak Co. Catalytic dehydrogenation of primary alcohols to aldehydes. 3,254,128, 5–31–66, Cl. 260—603.

Hagemeyer, Hugh J., Jr., A. E. Blood, and J. D. Heller, to Eastman Kodak Co. Graft copolymers of acrylonitrile onto a homopolymeric polyamide having N-alkyl substitution. 3,254,138, 5–31–66, Cl. 260—883.

Hagemeyer, Hugh J., Jr., and M. B. Edwards, to Eastman Kodak Co. Propylene-acetylenic hydrocarbon block copolymers and process for preparing same. 3,254,140, 5–31–66, Cl. 260—897.

Hagemeyer, Hugh J., Jr., A. E. Blood, and M. B. Edwards, to Eastman Kodak Co. Graft copolymers of 2,2-dimethylalkyl methacrylate and acrylonitrile with butadiene polymers. 3,262,993, 7–26–66, Cl. 260—879.

Hagemeyer, Hugh J., Jr., A. E. Blood, and M. B. Edwards, to Eastman Kodak Co. Graft copolymers of 2,2-dimethylalkyl acrylates and styrene with butadiene-styrene polymers. 3,262,994, 7–26–66, Cl. 260—880.

Hagemeyer, Hugh J., Jr., A. E. Blood, and J. D. Heller, to Eastman Kodak Co. Vinyl 2,2-dimethylalkyl ethers and polymers thereof. 3,265,675, 8–9–66, Cl. 260—85.5.

Hagemeyer, Hugh J., Jr., and M. A. Perry, to Eastman Kodak Co. Process for preparing 2,2-dimethylalkyl acrylates and methacrylates. 3,267,133, 8–16–66, Cl. 260—486.

Hagemeyer, Hugh J., Jr., A. E. Blood, and M. B. Edwards, to Eastman Kodak Co. Graft polymers of 2,2-dimethyl alkyl acrylate monomer on a polymeric vinylidene chloride backfore. 3,274,296, 9–20–66, Cl. 260—883.

Hagemeyer, Hugh J., Jr., A. E. Blood, and M. B. Edwards, to Eastman Kodak Co. Graft polymers of vinyl chloride on a backfore copolymer of vinyl alcohol and vinyl 2,2-dimethylalkanoate. 3,274,297, 9–20–66, Cl. 260—884.

Hagemeyer, Hugh J., Jr., V. K. Park, and A. G. Robinson, to Eastman Kodak Co. Poly-α-olefins containing a diester of 3,3'-thiodipropionic acid and 3-hydroxy-2,2,4-trimethylpentyl isobutyrate and optionally a sterically hindered phenol as stabilizers. 3,282,890, 11–1–66, Cl. 260—45.85.

Hagemeyer, Hugh J., Jr., and M. Statman, to Eastman Kodak Co. Aldehyde synthesis. 3,283,009, 11–1–66, Cl. 260—604.

Hagemeyer, Hugh J., Jr., D. C. Hull, and M. A. Perry, to Eastman Kodak Co. Process for preparing 2,2-dialkyl-omega-formyl alcohols and their esters. 3,287,400, 11–22–66, Cl. 260—491.

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Hagenes, Magnus. Measuring and dispensing attachment for a container. 3,252,632, 5–24–66, Cl. 222—449.

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Hager, Harvey L., and H. L. Hager, Jr. Texture applying device. 3,237,237, 3–1–66, Cl. 15—578.

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Hager, Nathaniel E., Jr., to Armstrong Cork Co. Three-electrode laminated heater. 3,264,595, 8–2–66, Cl. 338—211.

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Hagge, Walter, J. Dusing, and J. Kolbe, to Farbenfabriken Bayer Aktiengesellschaft. Treatment of synthetic filaments and composition therefor. 3,244,624, 4–5–66, Cl. 252—8.75.

Hagge, Walter, J. Dusing, and J. Kolbe, to Farbenfabriken Bayer Aktiengesellschaft. Process for treating textile materials. 3,247,018, 4–19–66, Cl. 117—139.5.

Hagge, Walter, U.-W. Hendricks, and M. Quaedvlieg, to Farbenfabriken Bayer Aktiengesellschaft. Process for the separation of unreacted sugars from reaction mixtures obtained in the production of sugar fatty acid esters from sugars and fatty acid alkyl esters. 3,251,829, 5–17–66, Cl. 260—234.

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Haggstrom, Walter R. G., to Independent Lock Co. Key display device. 3,264,462, 8–2–66, Cl. 240—2.

Hagius, Homer H., and W. W. Brown, to Halliburton Co. Method and apparatus for impregnating masses of material. 3,293,864, 12–27–66, Cl. 61—36.

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Hagiwara, Hiroshi, and A. Yamashita, to Matsushita Electric Industrial Co., Ltd. Method of making titanium electrolytic capacitors. 3,239,436, 3–8–66, Cl. 204—32.

Hagiwara, Hiroshi, A. Yamashita, and A. Matsuda, to Matsushita Electric Industrial Co., Ltd. Method of producing a metal oxide coating. 3,259,558, 7–5–66, Cl. 204—38.

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Hagman, Ronald L., and P. W. Olson, to The Boeing Co. Load cell. 3,263,493, 8–2–66, Cl. 73—141.

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Hagstrom, Arthur A., to Teletype Corp. Telegraph transmitter distributor starting mechanism. Re. 26,080, 9–20–66, Cl. 178—17.

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Hague, John D. Automatic lockon circuit for two lobe monopulse air-to-ground tracking radar. 3,249,934, 5–3–66, Cl. 343—7.3.

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Hague, Robert Z., H. H. Laucks, and C. C. Treff, to Moog Servocontrols, Inc. Positioner. 3,254,572, 6–7–66, Cl. 91—461.

Hague, Robert Z., H. H. Laucks, and C. C. Treff, to Moog Inc. Positioner. 3,283,782, 11–8–66, Cl. 137—624.18.

Hahn, Alfred, Jr., to Sun Oil Co. Process for the production of 2,6-dimethylnaphthalene. 3,249,644, 5–3–66, Cl. 260—668.

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Hahn, Erwin, H. G. Wippel, and G. Lange, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Water-insoluble nitrothiazole azo dyes. 3,287,347, 11–22–66, Cl. 260—158.

Hahn, Frank J., to Monsanto Co. Alkyl resins from polyhydric alcohols of at least four hydroxyls, polycarboxylic acids, styrene/allyl alcohol copolymers, and alkyd modifiers. 3,287,295, 11–22–66, Cl. 260—22.

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Hahn, Harold G., and R. L. Visger, to The Dow Chemical Co. Chloroethylenic polymer latex stabilized with chlorate and bisulfite. 3,247,150, 4–19–66, Cl. 260—29.6.

Hahn, Harold G., and R. J. Lapham, to The Dow Chemical Co. Vinylidene chloride copolymer coating compositions. 3,251,817, 5–17–66, Cl. 260—87.7.

Hahn, Heinrich, to Chemische Fabrik Kalk G.m.b.H. Process for the production of bromine derivatives of aromatic compounds devoid of condensed benzene nuclei containing over 3 bromine atoms per molecule. 3,232,959, 2–1–66, Cl. 260—389.

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Hahn, Jerome S., to Regent-Sheffield, Ltd. Carving knife with spacer attachment. 3,262,203, 7–26–66, Cl. 30—293.

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Hahnel, Alwin, to Stromberg-Carlson. Parallel redundant crystal oscillator. 3,293,562, 12–20–66, Cl. 331—56.

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Hahnlein, William, to Hamlin Mfg. Co. Church kneeler with folding legs. 3,292,975, 12–20–66, Cl. 297—426.

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Hainer, William H., to General Mills, Inc. Wall-mounted support structure. 3,262,593, 7–26–66, Cl. 214—651.

Hainer, William H., and E. E. Connors, to General Mills, Inc. Manipulator boom system. 3,255,893, 6–14–66, Cl. 214—1.

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Haines, Robert S., to International Business Machines Corp. High speed antistatic magnetic member. 3,293,066, 12–20–66, Cl. 117—68.

Haines, Robert S., and T. J. Walsh, to International Business Machines Corp. Method for dampening vibrations in ferrite cores and products. 3,279,945, 10–18–66, Cl. 117—161.

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Haines, Sidney, to Vacuumatic Ltd. Apparatus for successively operating upon sheets whilst in a stack. 3,272,503, 9–13–66, Cl. 271—62.

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Halip, Nickolas J. Display board assembly and parts thereof. 3,294,430, 12–27–66, Cl. 287—189.36.

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Hall, John A., Jr., and T. V. Sikina, to Philco Corp. Connection of semiconductor elements to thin film circuits using foil ribbon. 3,235,945, 2–22–66, Cl. 29—155.5.

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Hall, Laurence S., to United States of America, Atomic Energy Commission. Method for reversibly extracting energy from a plasma by magnetic pumping. 3,260,869, 7–12–66, Cl. 310—11.

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Hall, Leslie, to Ford Motor Co. Motor vehicle window. 3,274,740, 9–27–66, Cl. 52—208.

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Hall, Perry B., and J. W. Smyth, to Boyles Bros. Drilling Co. Ltd. Wire line core barrel and by-pass assembly. 3,292,717, 12–20–66, Cl. 175—46.

Hall, Ralph W., E. L. Smith, and E. C. Koerner, to Phelps Dodge Copper Products Corp. Polyester-insulated magnet wire and method of making same. 3,230,111, 1–18–66, Cl. 117—232.

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Hall, Ronald C., G. J. G. Hicks, and A. H. Pratt, to Electric & Musical Industries Ltd. Transistor circuits. 3,253,160, 5–24–66, Cl. 307—88.5.

Hall, Russell S. Kite construction. 3,250,500, 5–10–66, Cl. 244—153.

Hall, Thomas E., to Ingersoll-Rand Co. Pressurized fluid nozzle assembly. 3,273,805, 9–20–66, C. 239—590.3.

Hall, Thomas N., and K. G. Shipp, to United States of America, Navy. Polynitrodiol and method of preparation. 3,288,863, 11–29–66, Cl. 260—615.

Hall, Walter E., and D. D. Phillips, to Shell Oil Co. Dimethyl-1–methyl-2-(methylcarbamoyl) vinyl phosphate insecticide and method of use. 3,258,394, 6–28–66, Cl. 167—22.

Hall, Walter J., to Bell & Howell Co. Sound tape and picture slide holder. 3,256,775, 6–21–66, Cl. 88—28.

Hall, Walter J., to Sawyers Research Development Corp. Photographic slide magazine. 3,258,867, 7–5–66, Cl. 40—79.

Hall, Walter J., to Sawyers Research Development Corp. Slide changing means. 3,270,445, 9–6–66, Cl. 40—36.

Hall, Warren E. Support means for a cover. 3,235,213, 2–15–66, Cl. 248—146.

Hall & Webber Distributing Co. Ltd.: *See*—
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Hall, William B., and R. F. Keller, to Radio Corp. of America. Method of manufacturing thermionic energy converter tube. 3,279,028, 10–18–66, Cl. 29—25.13.

Hall, William G.: *See*—
Hagelbarger, David W., Hall, and Malthaner. 3,242,470.

Hall, William H.: *See*—
Bates, John D., and Hall. 3,239,097.

Hallam, Donald E.: *See*—
Anderson, William T., Hallam, Lyons, Mueller, and Nelson. 3,280,301.

Hallamore, Barry K., Audio Slide Co. Recording and playback apparatus. 3,285,612, 11–15–66, Cl. 274—11.

Hallamore, Barry K., 37.5% to Audio Slide Co. Recording and playback apparatus. 3,285,613, 11–15–66, Cl. 274—11.

Hallay, Alexander R., to General Electric Co. Apparatus for flashing gaseous discharge lamps. 3,240,992, 3–15–66, Cl. 315—254.

Hallay, Alexander R., to General Electric Co. Apparatus for starting and operating arc lamps. 3,259,796, 7–5–66, Cl. 315—174.

Hallberg, Daniel F., to Hypro Inc. Control unit in combination with area spray system. 3,233,832, 2–8–66, Cl. 239—155.

Hallberg, Daniel F., to Hypro Inc. Control and by-pass valve unit for area spray system. 3,266,728, 8–16–66, Cl. 239—155.

Hallberg, Irving H.: *See*—
Roeske, Eugene A., and Hallberg. 3,241,317.

Hallberg, Karl M., and C. O. L. Ottosson, to Atlas Copco Aktiebolag. Feed bar arrangement for rock drills. 3,247,-913, 4–26–66, Cl. 173—44.

Hallden, Karl W., to The Hallden Machine Co. Flying press. 3,264,920, 8–9–66, Cl. 83—311.

Hallden, Karl W., to The Hallden Machine Co. Rotary swager. 3,273,367, 9–20–66, Cl. 72—76.

Hallden Machine Co., The: *See*—
Hallden, Karl W. 3,264,920.
Hallden, Karl W. 3,273,367.

Halldorsson, Gisli. Cooker-digester. 3,256,800, 6–21–66, Cl. 99—246.

Halle, Roger J. Reinforced beam and column joint. 3,232,-894, 2–1–66, Cl. 189—36.

Halle, Roger J. Enclosure construction for buildings. 3,245,-184, 4–12–66, Cl. 52—281.

Hallen, Roland C., to Grafton Products, Inc. Cable-type hoist. 3,248,087, 4–26–66, Cl. 254—167.

Hallenbeck, Victor L., to The B. F. Goodrich Co. Non-scorching curable carboxylic polymer compositions. 3,248,-360, 4–26–66, Cl. 260—41.5.

Hallenbeck, Victor L., and D. Craig, to The B. F. Goodrich Co. Non-scorching curable carboxylic polymer compositions. 3,258,448, 6–28–66, Cl. 260—41.

Haller, Alton P. Tire pressure detector and indicator system using radioactivity. 3,235,726, 2–15–66, Cl. 250—43.5.

Haller, Belmont L., and K. A. Schirmer, to Hunt Foods and Industries, Inc. Apparatus for detecting improperly lidded cans. 3,261,465, 7–19–66, Cl. 209—88.

Haller, Herbert: *See*—
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Haller, John, to Federal-Mogul-Bower Bearings, Inc. Chambered self-lubricating bearing. 3,241,893, 3–22–66, Cl. 308—121.

Haller, John, to Federal-Mogul-Bower Bearings, Inc. Process of making a complex sintered powered material article. 3,276,111, 10–4–66, Cl. 29—420.5.

Haller, Richard. Transmission mechanism provided with a release device, for converting a rotary movement of a driving means into an axial displacement of a driven member. 3,229,544, 1–18–66, Cl. 74—424.8.

Hallerbach, Dieter, to Richardson-Merrell Inc. Dispensing container. 3,288,277, 11–29–66, Cl. 206—42.

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Hallerberg, Don M., to Master Specialties Co. Indicator light having a pivotally-connected light housing block and a lens cover section slidably mounted thereon. 3,274,358, 9–20–66, Cl. 200—121.

Hallerberg, Theodore W., to Master Specialties Co. Master warning indicator system. 3,251,049, 5–10–66, Cl. 340—213.1.

Hallesy, Harold W.: *See*—
Bremer, Allen R., and Hallesy. 3,240,379.

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Legarra, Philip H., and Hallett. 3,273,918.

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Anderson, Terry O. 3,288,245.
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Baker, Eugene E. 3,228,473.
Baker, Eugene E. 3,247,905.
Barrington, Burchus Q. 3,280,916.
Billings, William E., and Lasater. 3,273,643.
Black, Harold N., and Melton. 3,227,212.
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Briggs, George E., Jr., and Brown. 3,273,647.
Briggs, George E., Jr., Ford, and Warren. 3,253,654.
Briggs, George E., Jr., Ford, and Warren. 3,255,-347.
Cobb, Lewis A., Marshall, Sumner, and Walker. 3,255,-347.
Frye, James A. 3,235,134.
Hagius, Homer H., and Brown. 3,293,864.
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Koch, Ronney R., and Ramos. 3,237,691.
Love, Robert G. 3,258,973.
Mason, John F., Emery, and Speegle. 3,251,583.
Moeller, R. E., Love, and Pittman. 3,270,754.
Oliver, Owen N. 3,276,523.
Purfurst, Ernest H. 3,254,661.
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Speegle, A. J., and Bailey. 3,248,930.
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Halliday, Kenneth C., Jr., to The Bendix Corp. Level switch depolarizer. 3,227,984, 1–4–66, Cl. 338—44.

Halliday, Kenneth C., Jr., to The Bendix Corp. Electrolytes for electrolytic level switches. 3,293,383, 12–20–66, Cl. 200—152.

Halliday, Kenneth C., Jr., to The Bendix Corp. Electrolytes for electrolytic level switches. 3,293,395, 12–20–66, Cl. 200—152.

Hallidy, William M., to The Leece-Neville Co. Voltage regulator for generators. 3,230,443, 1–18–66, Cl. 322—28.

Hallidy, William M., to The Leece-Neville Co. Generating system regulation. 3,239,746, 3–8–66, Cl. 322—25.

Halliwell, Ronald H., to E. I. du Pont de Nemours and Co. Separation of butadiene from butenes by distilling in the presence of an aqueous solution of silver salts. 3,265,591, 8–9–66, Cl. 203—33.

Hallman, Henry R., L. H. Sichel, Jr., C. C. Perkins, and S. J. Pesely, to Burroughs Corp. Data processor input/output control system. 3,274,561, 9–20–66, Cl. 340—172.5.

Hallman, Norman R.: *See*—
McFadden, Earl J., and Hallman. 3,236,408.

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Lohnes, Howard E. 3,228,138.
Lohnes, Howard E. 3,228,139.
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Hallmark, Clyde E., to The Bunker-Ramo-Corp. Numerical control system. 3,290,492, 12–6–66, Cl. 235—151.11.

Hallock, Carl E., and W. E. Morgan. Display rack with folding shelves. 3,235,096, 2–15–66, Cl. 211—149.

Hallock, Goldwin M. T. Line storage reel. 3,272,453, 9–13–66, Cl. 242—86.

Hallock, Hiram Y., to United States of America, Agriculture. Saw blade for cutting logs. 3,229,736, 1–18–66, Cl. 143—133.

Hallock, Robert L., to Elastic Stop Nut Corp. of America. Self-locking and self-sealing nail. 3,240,101, 3–15–66, Cl. 85—23.

Hallonquist, Earland G., J. M. Jaworsky, and H. Sturmlinger, to MacMillan Bloedel and Powell River, Ltd. Low density particle board core door. 3,287,855, 11–29–66, Cl. 49—503.

Hallquist, Cletus J. Photographic print processor. 3,292,519, 12–20–66, Cl. 95—99.

Hallquist, George W., and D. P. Kane, to United States of America, Navy. Automatic frequency control for phase pulse receivers. 3,289,086, 11–29–66, Cl. 325—320.

Halls, Gordon A., and L. Barnes, to Rolls-Royce Ltd. Gas turbine jet propulsion engine igniter. 3,264,825, 8–9–66, Cl. 60—39.82.

Halls, Lawrence M., to Sperry Rand Corp. Mounting structure. 3,262,253, 7–26–66, Cl. 56—1.

Hallström, Bengt H.: *See*—
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Hallström, Bengt H., to Aktiebolaget Separator. Apparatus for heat treatment of liquids. 3,251,405, 5–17–66, Cl. 165—40.

Hallsworth, Raymond T., and I. Holroyd, to Rolls-Royce Ltd. Electrolytic hole forming cathode electrode. 3,285,844, 11–15–66, Cl. 204—284.

Hallum, Charles E.: *See*—
Carver, George P., and Hallum. 3,230,769.

Hallworth, Allan M.: *See*—
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Halm Instrument Co., Inc.: *See*—
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Halmi, Gabor, and R. Advani, to Firma Hans J. Zimmer Verfahrenstechnik. Preparation of spinnable polyesters using tin catalyst. 3,236,814, 2–22–66, Cl. 260—75.

Halmor Industries, Inc.: *See*—
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Halon, Bolesiaus J., to Stanray Corp. Railway car coupler operating device. 3,232,444, 2–1–66, Cl. 213—166.

Halopoff, Paul M., and W., to Hally Stamping and Mfg. Co. Spring connection. 3,272,496, 9–13–66, Cl. 267—74.

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Halper, Walter M., and F. D. Moss, to Shell Oil Co. Preparation of concentrated latices by alternately flashing and centrifuging. 3,250,737, 5–10–66, Cl. 260—29.7.

Halper, Walter M., and F. D. Moss, to Shell Oil Co. Preparation of latices. 3,261,792, 7–19–66, Cl. 260—23.7.

Halper, Walter M., and F. D. Moss, to Shell Oil Co. Preparation of latices. 3,277,037, 10–4–66, Cl. 260—27.

Halper, Walter M., and F. D. Moss, to Shell Oil Co. Foamed and defoamed diene latex. 3,294,719, 12–27–66, Cl. 260—23.7.

Halperin, Bernard L., to General Anilin & Film Corp. Diazotype photoprinting material susceptible to thermal development. 3,294,534, 12–27–66, Cl. 96—49.

Halpern, Alfred: *See*—
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Halpern, Alfred, to Synergistics, Inc. Anti-inflammatory salicyl morpholide. 3,265,575, 8–9–66, Cl. 167—65.

Halpern, Alfred, to Synergistics Inc. Acid addition salts of morpholine ethanol. 3,274,055, 9–20–66, Cl. 167—65.

Halpern, Alfred, and M. D. Sackler, to Synergistics, Inc. Sennoside derivatives and pharmaceutical compositions containing same. 3,274,053, 9–20–66, Cl. 167—65.

Halpern, Benjamin D.: *See*—
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Halpern, Bernard R., to E. I. du Pont de Nemours and Co. Process for the preparation of an image. 3,244,777, 4–5–66, Cl. 264—69.

Halpern, Bernard R., to E. I. du Pont de Nemours and Co. Process for preparing printing plates from photopolymerizable materials by the use of a masking technique. 3,249,-436, 5–3–66, Cl. 96—44.

Halpern, Bert, and R. W. Hinde, to Monsanto Chemicals (Australia) Ltd. Production of amiphenasole. 3,250,-779, 5–10–66, Cl. 260—306.8.

Halpern, Howard S.: *See*—
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Halpern, John W. Ticket systems. 3,287,543, 11–22–66, Cl. 235—61.12.

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Bowers, Albert, and Halpern. 3,257,391.
Bowers, Albert, and Halpern. 3,257,427.
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Halpern, Peter H., to Melpar, Inc. Generalized self-synthesizer. 3,262,101, 7–19–66, Cl. 340—172.5.

Halpern, Stephen J.: *See*—
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Halpern, William. Apparatus for deburring and chamfering in combination with drill or reamer or the like. 3,233,260, 2–8–66, Cl. 10—140.

Halpern, William. Deburring tool in combination with tapping tool and the like. 3,234,573, 2–15–66, Cl. 10—140.

Halpert, Abby, to Halvin Products Co. Aeration connector device. 3,245,670, 4–12–66, Cl. 261—122.

Halpert, Abby, to Halvin Products Co., Inc. Aquarium filter system. 3,261,471, 7–19–66, Cl. 210—169.

Halpert, Abby, to Halvin Products Co., Inc. Convertible fish displayer and breeder for aquariums. 3,291,098, 12–13–66, Cl. 119—5.

Halpert, Walter, to The Viscomatic Corp. Continuous cooking and blending of starch adhesive for the corrugating industry. 3,228,781, 1–11–66, Cl. 106—213.

Halpin, George N., to General Electric Co. Relay switching circuit utilizing an enabling voltage source. 3,278,810, 10–11–66, Cl. 317—157.

Halpin, Lawrence W., and E. B. Seeley, to United Control Corp. Means for detecting change of heat transfer rate. 3,283,576, 11–8–66, Cl. 73—295.

Halpine, Joseph C., and B. M. Moroney, to Halmor Industries, Inc. Switch for detecting piston in fluid flow line. 3,274,-351, 9–20–66, Cl. 200—61.41.

Halsey, David C., to Chrysler Corp. Hydraulic pump. 3,236,-566, 2–22–66, Cl. 103—2.

Halsey, David C., to Chrysler Corp. Hydraulic pump. 3,247,-803, 4–26–66, Cl. 103—136.

Halsey, Herbert, to The English Electric Co. Ltd. Selector valve. 3,236,260, 2–22–66, Cl. 137—624.18.

Halsey, Jonathan H., to Socony Mobil Oil Co., Inc. Recovering mercury from subsurface ore deposits. 3,254,921, 6–7–66, Cl. 299—2.

Halsey, Paul F., and D. C. Tevis. Paneling structures. 3,282,006, 11–1–66, Cl. 52—475.

Halsey, Reginald J., to Her Majesty's Postmaster General, of The General Post Office. Branching device for two-wire carrier multichannel communication systems. 3,270,137, 8–30–66, Cl. 179—15.

Halsman, Julius: *See*—
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Halstead, John H. Swinging arm frame lift. 3,237,723, 3–1–66, Cl. 187—8.74.

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Douthett, Delorma M., and Mitchell. 3,271,987.
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Halstead, William M. Pocket type solder dispenser. 3,250,-453, 5–10–66, Cl. 228—52.

Halsted, Edwin H.: *See*—
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Halstensgard, Harvey O.: *See*—
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Halter, Allan C., P. L. McMath, and R. E. Perrault, to Allis-Chalmers Mfg. Co. Automatic gauge control with update. 3,269,160, 8–30–66, Cl. 72—8.
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Halun, Daniel W. Protective cover for automobile underbody. 3,279,557, 10–18–66, Cl. 180—69.1.
Haluska, Loren A., to Dow Corning Corp. Organosiloxane-polyether urethanes. 3,246,048, 4–12–66, Cl. 260—824.
Haluska, Loren A., to Dow Corning Corp. Organosilicon compounds. 3,249,586, 5–3–66, Cl. 260—46.5.
Halverstadt, Carl D., 50% to A. L. Rothfeder. High precision caliper gage. 3,273,248, 9–20–66, Cl. 33—147.
Halverstadt, Isaac F.: *See*—
Hardie, Waldo R., and Halverstadt. 3,262,938.
Halverstadt, Isaac F., to Cutter Laboratories, Inc. 4,4-diphenylcyclohexylamine derivatives. 3,285,960, 11–15–66, Cl. 260—570.
Halverstadt, Robert D., D. A. Stewart, and C. J. Hunt, to General Electric Co. Cathode for electrolytic erosion of metal. 3,238,114, 3–1–66, Cl. 204—224.
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Halpert, Abby. 3,261,471.
Halpert, Abby. 3,291,098.
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Holmes, Carlton A. 3,279,730.
Ham, Donald L.: *See*—
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Ham, George E.: *See*—
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Ham, George E., to The Dow Chemical Co. Aziridinyl siloxanes. 3,243,429, 3–29–66, Cl. 260—239.
Ham, George E., to Gulf Oil Corp. Reaction product of an azodicarboxylate and an amine. 3,244,692, 4–5–66, Cl. 260—154.
Ham, George E., to The Dow Chemical Co. Rearrangement of aziridinylformate esters. 3,247,220, 4–19–66, Cl. 260—307.
Ham, George E., to The Dow Chemical Co. Aziridinylalkyl ureas. 3,280,106, 10–18–66, Cl. 260—239.
Ham, George E., and J. C. Werner, to Gulf Oil Corp. Low moisture absorption interpolymers of caprolactam with 1 to 10 mole percent of dimer acid and diamine. 3,240,732, 3–15–66, Cl. 260—18.
Ham, George E., and P. M. Phillips, to The Dow Chemical Co. Selective hydrogenation of N-substituted aziridines. 3,242,-165, 3–22–66, Cl. 260—239.
Ham, George E., and C. H. Klentsch, to The Dow Chemical Co. Preparation of alkyl aziridinylformates. 3,280,109, 10–18–66, Cl. 260—239.
Ham, George E., and P. M. Phillips, to The Dow Chemical Co. Selective hydrogenation of N-aralkylaziridine. 3,280,110, 10–18–66, Cl. 260—239.
Ham, James H., Jr.: *See*—
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Ham, James H., Jr., W. E. Hostetler, J. F. Ritchey, and W. R. Tolman; said Tolman assor. to Western Electric Co., Inc., and said Ham, Bostetler, and Ritchey assors. to Bell Telephone Laboratories Inc. Fiber optical face plates having different numerical aperture values in two different directions. 3,274,345, 9–20–66, Cl. 179—90.
Ham, John L., to National Research Corp. Production of NBeSN diffusion layers. 3,277,557, 10–11–66, Cl. 29—155.5.
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Hamac-Hansella Aktiengesellschaft: *See*—
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Hamachek, Frank B., III, and R. J. Harker, to Frank Hamacheck Machine Co. Inc. Combine for leguminous crops such as green peas and lima beans. 3,236,035, 2–22–66, Cl. 56—19.
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Hamada Tsugio: *See*—
Gonshery, Leon, and Hamada. 3,239,420.
Hamada, Yoshitsugu: *See*—
Yokoi, Motoaki, and Hamada. 3,236,213.
Hamada, Yoshitsugu, to Yanmar Diesel Engine Co. Ltd. Combustion system for diesel type rotary engines. 3,249,-095, 5–3–66. Cl. 123—8.
Hamada, Yoshitsugu, to Yanmar Diesel Engine Co., Ltd. Rotary diesel engines. 3,259,113, 7–5–66, Cl. 123—8.
Hamada, Yoshitsugu, to Yanmar Diesel Engine Co., Ltd. Pressure reducing device for Diesel type rotary engines. 3,270,-719, 9–6–66, Cl. 123—8.
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Hamaker, John C., Jr., J. R. Handyside, and D. H. Yates, to Vasco Metals Corp. Ultra hard high speed steel. 3,259,-489, 7–5–66, Cl. 75—126.
Hamaker, John D. Mechanical thrust transmitting devices. 3,244,014, 4–5–66, Cl. 74—44.
Hamaker, Paul, G. C. Morgan, and J. R. Powell, Jr., to Transall, Inc. Process and apparatus for locking members to cables and the like. 3,273,695, 9–20–66, Cl. 198—192.
Hamalainen, Simon L. Powered warping device for marine objects. 3,250,514, 5–10–66, Cl. 253—138.
Hamamoto, Yoshio: *See*—
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Hamamura, Yasuji, K. Hayashiya, M. Goto, and M. Kamada, ½ to Takeda Chemical Industries, Ltd. and ½ to Y. Hamamura. Method of inducing moult of silkworms. 3,230,930, 1–25–66, Cl. 119—6.
Hamamura, Yasuji, K. Hayashiya, and K. Naito, ½ to Takeda Chemical Industries Ltd. Eating-inducing compositions for silkworms. 3,275,446, 9–27–66, Cl. 99—2.
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Hamann, Omer F., and S. H. Boyd, to American Brake Shoe Co. Microwave identification of railroad cars. 3,247,509, 4–19–66, Cl. 343—6.5.
Hamann, Omer F., S. H. Boyd, to American Brake Shoe Co. Microwave identification of railroad cars. 3,247,514, 4–19–66, Cl. 343—18.
Hamann, Walter F., to American Safety Equipment Corp. Belt mounting in safety belt buckles. 3,274,656, 9–27–66, Cl. 24—196.
Hamann, Walter F., to American Safety Equipment Corp. Buckle for safety belt and the like. 3,277,544, 10–11–66, Cl. 24—196.
Hamasaki, Joji, to Bell Telephone Laboratories, Inc. Transmission line to waveguide junction. 3,265,995, 8–9–66, Cl. 333—21.
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Hamberger, Sydney M., to United Kingdom Atomic Energy Authority. Methods of heating ions in a plasma. 3,257,283, 6–21–66, Cl. 176—3.
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Hambling, James K., to The British Petroleum Co. Ltd. Process for the production of methylpentenes. 3,260,770, 7–12–66, Cl. 260—683.15.
Hambling, James K., and A. A. Yeo, to The British Petroleum Co. Ltd. Catalyst and polymerisation process using said catalyst. 3,278,632, 10–11–66, Cl. 260—683.15.
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Hamer, Leland S. Automobile wheel balancing method. 3,236,105, 2–22–66, Cl. 73—481.
Hamermesh, Charles L., and C. F. Makuch, to North American Aviation, Inc. Fluoroalkyl acrylate polymeric propellant composition. 3,255,059, 6–7–66, Cl. 149—19.
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Hamilton, Allen R., to Consolidated Vacuum Corp. Vacuum pumping methods and apparatus. 3,241,740, 3–22–66, Cl. 230—69.
Hamilton, Charles E., to The Dow Chemical Co. Solvent extraction process. 3,274,104, 9–20–66, Cl. 210—39.
Hamilton, Charles M., and D. M. Kapral. Multi-passage muffler producing colliding fluid streams. 3,273,666, 9–20–66, Cl. 181—56.
Hamilton, Charles W. F. Hydraulic jet propulsion apparatus for water-borne craft. 3,233,573, 2–8–66, Cl. 115—16.
Hamilton, Clark H. Apparatus and method for making straight precision glass barrels or bodies for syringes. 3,249,414, 5–3–66, Cl. 65—109.
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Hamilton, Earl F., Moore, and Lay. 3,241,902.
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Hamilton, Douglas D., R. Ranzenhofer, and R. Boivin, ⅓ each to Quebec North Shore Paper Co., Canadian International Paper Co. and Abitibi St. Anne Paper Co. Ltd. Vehicle log bunk. 3,289,865, 12–6–66, Cl. 214—85.
Hamilton, Douglas L. P. Surge protector. 3,253,177, 5–24–66, Cl. 313—231.
Hamilton, Douglas L. P. Tap enclosure for use with underground utility cables. 3,257,496, 6–21–66, Cl. 174—38.
Hamilton, Douglas L. P. Locking securement for sheet metal housing cover. 3,279,838, 10–18–66, Cl. 292—251.
Hamilton, Earl F., to Hamilton Cosco, Inc. Shelf construction. 3,227,110, 1–4–66, Cl. 108—111.
Hamilton, Earl F., to Hamilton Cosco, Inc. Corner construction. 3,281,104, 10–25–66, Cl. 248—188.
Hamilton, Earl F., and R. B. Lay, to Hamilton Cosco, Inc. Cabinet. 3,230,025, 1–18–66, Cl. 312—257.
Hamilton, Earl F., and E. K. Moore, to Hamilton Cosco, Inc. Automobile desk. 3,232,250, 2–1–66, Cl. 108—44.
Hamilton, Earl F., D. L. Moore, and R. B. Lay, to Hamilton Cosco, Inc. Article of furniture. 3,241,902, 3–22–66, Cl. 312—194.
Hamilton, Earl F., D. L. Moore, and R. B. Lay, to Hamilton Cosco, Inc. Article of furniture. 3,241,900, 3–22–66, Cl. 312—219.
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Hamilton, John E., to Standard Oil Co. Dual-outlet container closure. 3,235,147, 2–15–66, Cl. 222—543.
Hamilton, John E., Sr. Fluid displacement device. 3,237,-567, 3–1–66, Cl. 103—136.
Hamilton, John F., to Hercules Inc. Booster device. 3,285,-173, 11–15–66, Cl. 102—24.
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Hamilton, Joseph R., to Lynch Corp. Parison mold with finish pin and plunger construction for glassware forming machines. 3,272,612, 9–13–66, Cl. 65—229.
Hamilton, Julian P., and N. P. Peet, to Esso Production Research Co. Recovery of shale oil. 3,233,668, 2–8–66, Cl. 166—7.
Hamilton, Lewis J. Pivot means for chain saw bars. 3,232,-325, 2–1–66, Cl. 143—32.
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Amthor, Franklin R., Jr., Katzfey, and Kanitz. 3,245,-368.
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Halberg, John E. 3,234,650.
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Hamilton, Ralph A., to Lockheed Aircraft Corp. Hydraulic positioner. 3,291,321, 12–13–66, Cl. 214—1.
Hamilton, Robert W., and K. J. Rorig, to G. D. Searle & Co. 1-amino-α-(chlorophenyl)benzylpiperidines. 3,267,108, 8–16–66, Cl. 260—293.
Hamilton, Russell, and T. K. Moy, to United States of America, Navy. Disposable sabot. 3,276,150, 10–4–66, Cl. 35—25.
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Piker, Herbert M. 3,248,157.
Piker, Herbert M. 3,250,276.
Piker, Herbert M. 3,285,450.
Piker, Herbert M. 3,286,865.
Hamilton, Stephen B., and A. S. Hay, to General Electric Co. Process of making 2,6-disubstituted phenols. 3,280,201, 10–18–66, Cl. 260—621.
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Huffman, Harold W. 3,231,261.
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Hamilton, William A., to General Motors Corp. Motor vehicle semi-elliptic suspension spring. 3,241,854, 3–22–66, Cl. 280—95.
Hamilton, William E. Power lift truck adapter. 3,258,146, 6–28–66, Cl. 214—620.
Hamilton, William F., to Lockheed Aircraft Corp. Detection devices. 3,243,792, 3–29–66. Cl. 340—228.
Hamilton, William F., M. Levine, and E. Simon, to Lockheed Aircraft Corp. Enclosed chamber air purification apparatus. 3,230,033, 1–18–66, Cl. 21—74.
Hamilton, William H., to Pennsalt Chemicals Corp. Freeze drying apparatus and method. 3,230,633, 1–25–66, Cl. 34—16.
Hamilton, William H., to Pennsalt Chemicals Corp. Flash drying apparatus and method utilizing intermittent pulses of drying gas. 3,233,334, 2–8–66, Cl. 34—15.
Hamilton, William H., to Pennsalt Chemicals Corp. Flow through type drying apparatus. 3,238,638, 3–8–66, Cl. 34—92.
Hamilton, William H., to Pennsalt Chemicals Corp. Metering hopper. 3,266,677, 8–16–66, Cl. 222—370.
Hamilton, William H., and D. E. D'Alessandro, to Pennsalt Chemicals Corp. Freeze drying tray and method of manufacturing the same. 3,247,602, 4–26–66, Cl. 34—237.
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Hamm, Douglas W., to Muskegon Piston Ring Co. Combination oil and compression ring. 3,253,836, 5–31–66, Cl. 277—138.
Hamm, Erich. Electrical coupling with two sleeve-connected plugs. 3,275,967, 9–27–66, Cl. 339—61.
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Hamm, Franklin A., and R. L. Weiher, to Minnesota Mining and Mfg. Co. Photosensitive sheets, the preparation and use thereof. 3,252,874, 5–24–66, Cl. 204—18.
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Hamm, Philip C., and A. J. Speziale, to Monsanto Co. Polysubstituted amino-s-triazines. 3,261,835, 7–19–66, Cl. 260—249.8.
Hamm, Philip C., and A. J. Speziale, to Monsanto Co. Herbicidal composition and method employing oxa aliphatic acetamide. 3,268,324, 8–23–66, Cl. 71—2.3.
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Hammack, Calvin M. Detection and tracking of multiple targets. 3,242,487, 3–22–66, Cl. 343—7.
Hammack, Calvin M. Method of echo grouping. 3,270,340, 8–30–66, Cl. 343—7.
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Hammelmann, Paul. Hydraulic device for the automatic actuation of a piston. 3,233,628, 2–8–66, Cl. 137—624.14.
Hammelmann, Paul. Self-propelled nozzle. 3,246,660, 4–19–66, Cl. 134—167.
Hammelmann, Paul. Automatically reciprocable spray head. 3,246,847, 4–19–66, Cl. 239—187.
Hammelmann, Paul. Swinging nozzle device for cleaning pipes, storage tanks and the like. 3,265,309, 8–9–66, Cl. 239—187.
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Hammer, Irving P., and E. A. Jakaitis, to Mobil Oil Corp. Hot melt coating compositions containing paraffin wax, petroleum ceresin wax, and a copolymer of ethylene or propylene and a monoethylenically unsatured ester. 3,280,064, 10–18–66, Cl. 260—28.5.
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Hammer, Joel B., to Westinghouse Electric Corp. Thin film liquid evaporator formed of a thin corrugated sheet-like member. 3,282,797, 11–1–66, Cl. 202—236.
Hammer, Waldemar. Multiple vertical spindle woodworking machine and method of woodworking. 3,289,714, 12–6–66, Cl. 144—1.
Hammerand, Donald J., and A. J. Bury, to Admiral Corp. Low-rumble phonograph turntable drive system. 3,267,757, 8–23–66, Cl. 74—206.
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Hammersmith, Aloysius H., to Friden, Inc. Spring looping machine. 3,258,622, 5–31–66, Cl. 140—103.
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Hammitt, Andrew B. Mounting means for sheet material. 3,267,631, 8–23–66, Cl. 52—495.
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Hammon, Edwin J., to Fountainhead Industries, Inc. Die set having aluminum oxide bearing surface. 3,273,944, 9–20–66, Cl. 308—4.
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Hammon, George L., to Hammon Precision Equipment Co. Gas pressure regulator. 3,250,288, 5–10–66, Cl. 137—116.3.
Hammon, George L., to Hammon Precision Equipment Co. Machine torches. 3,258,242, 6–28–66, Cl. 251—33.
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Hammond, Evan, to Clark Equipment Co. Semi-trailer landing gear assembly. 3,248,084, 4–26–66, Cl. 254—86.
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Hammond, John H., Jr., deceased (National Shawnut Bank, R. G. Lucas, and N. L. Leek, executors). Communication system. 3,277,429, 10–4–66, Cl. 340—2.
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Hammond, Joseph P., and K. K. Sinha, to United States of America, Atomic Energy Commission. Method for formulating master alloy compositions for use in dispersion hardened compacts. 3,271,142, 9–6–66, Cl. 75—206.
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Handler, Wolfgang, R. Maier, J. Martin, O. Muller, H. Voigt, and K. Voitel, to Telefunken Patentverwertungs-G.m.b.H. Computer control device. 3,268,871, 8–23–66, Cl. 340—172.5.

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Hani, Hiroshi, A. Nishihara, and Y. Oda. Anion permselective membranes and process for their production. 3,276,-991, 10–4–66, Cl. 204—296.

Hani, Hiroshi, A. Nishihara, and H. Hiraga. Process for producing anion permselective membranes. 3,276,992, 10–4–66, Cl. 204—296.

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Hannan, Peter W., and H. A. Wheeler, to Hazeltine Research Inc. Double-reflector, double-feed antenna for crossed polarizations and polarization changing devices useful therein. 3,271,771, 9–6–66, Cl. 343—756.

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Hannis, Eugene S., to Western Electric Co., Inc. Monitoring attachment for an extrusion apparatus. 3,278,988, 10–18–66, Cl. 18—12.

Hannon, Bruce M., to National Distillers and Chemical Corp. Jet reaction flowmeter. 3,293,913, 12–27–66, Cl. 73—228.

Hannon, Charles N. and W. W.; C. N. Hannon assor. to W. W. Hannon. Mechanism for removing and simultaneously folding and tying newspapers from multiple stacks thereof. 3,255,569, 6–14–66, Cl. 53—117.

Hannon, Warren W.: *See*—
Hannon, Charles N. and W. W. 3,255,569.

Hannum, William B., Jr. Cutting apparatus. 3,243,920, 4–5–66, Cl. 51—9.

Hans, Matthew F., and B. F. Burch, Jr., to General Electric Co. Multiple font high speed printer control system. 3,283,305, 11–1–66, Cl. 340—172.5.

Hansa Bryggeri A/S: *See*—
Andersen, John M. 3,273,723.

Hansburg, George B. Leg support. 3,264,033, 8–2–66, Cl. 297—438.

Hanschitz, Rudolf: *See*—
Diebold, Max, Menge, Schottle, and Hanschitz. 3,289,-239.

Hanschke, Albert F., and W. W. Browning, to Worthington Corp. Nozzle blade assembly comprising replaceable and adjustable nozzle blades. 3,263,963, 8–2–66, Cl. 253—78.

Hanscom, H. F., & Co., Inc.: *See*—
Hanscom, Harris F. 3,236,465.
Hanscom, Harris F. 3,275,261.

Hanscom, Harris F., to H. F. Hanscom & Co., Inc. Reeling apparatus. 3,236,465, 2–22–66, Cl. 242—25.

Hanscom, Harris F., to H. F. Hanscom & Co., Inc. Collapsible reel. 3,275,261, 9–27–66, Cl. 242—110.2.

Hanse, Albert B., and L. N. Kint, to Pettibone Mulliken Corp. Crusher with variable opening screen grate. 3,229,919, 1–18–66, Cl. 241—86.

Hansel, Charles E. M. Teaching machines. 3,292,276, 12–20–66, Cl. 35—9.

Hansel, Otto, G.m.b.H.: *See*—
Hansel, Otto, and Lesch. 3,287,880.

Hansel, Otto, and H. Lesch, to Otto Hansel G.m.b.H. Apparatus for packaging of goods, particularly from the sweets industry. 3,287,880, 11–29–66, Cl. 53—222.

Hansel, William B., to Sun Oil Co. Disc construction for reactors. 3,235,341, 2–15–66, Cl. 23—284.

Hansel, William B., to Sun Oil Co. Wave reactor. 3,254,960, 6–7–66, Cl. 23—252.

Hansel, William B., to Sun Oil Co. Adjusting mechanism. 3,263,645, 8–2–66, Cl. 116—124.

Hansel, William B., to Sun Oil Co. Wave reactor. 3,272,598, 9–13–66, Cl. 23—284.

Hansell, Clarence W.: *See*—
Streib, Albrecht, and Hansell. 3,248,644.

Hansen, Albert B. A.: *See*—
Hartmann, Louis M., and Hansen. 3,276,656.

Hansen, Arthur H., to Hall-Mack Co., a division of Textron, Inc. Mounting bracket. 3,268,190, 8–23–66, Cl. 248—27.

Hansen, Asger, Jr. Protector for ring and groove type sealed joints. 3,246,916, 4–19–66, Cl. 285—45.

Hansen, Carl W., to Laboratory for Electronics, Inc. Radiation thickness gauge including a feedback readout circuit. 3,235,732, 2–15–66, Cl. 250—83.3.

Hansen, Carl W., to Laboratory for Electronics, Inc. Radiation gauge system with controls. 3,248,545, 4–26–66, Cl. 250—83.3.

Hansen, Carl W., P. J. Clack, and J. G. Wood, to Laboratory for Electronics, Inc. Scanning type radioactive thickness gauge with data display system. 3,244,881, 4–5–66, Cl. 250—83.3.

Hansen, Chauncey B. Article-handling implement. 3,276,-806, 10–4–66, Cl. 294—19.

Hansen, Clarence A. Sheet handling implement. 3,253,849, 5–31–66, Cl. 294—16.

Hansen, Clifford M.: *See*—
Gunnar, Keith, Stoll, Debrotnic, Hansen, Brooks, and Kalocsay. 3,231,196.

Hansen, David S.: *See*—
Lambert, Robert D., and Hansen. 3,281,958.

Hansen, Donald E., to Mosler Research Products, Inc. Audio accumulator. 3,276,006, 9–27–66, Cl. 340—261.

Hansen, Donald H., to Kollmorgen Corp. Method and apparatus for positioning parts to extreme accuracies. 3,281,-167, 10–25–66, Cl. 287—20.5.

Hansen, Doris C.: *See*—
Hansen, Robert A., Jr. and D. C. 3,233,414.

Hansen, Douglas R., and D. L. Cook, to Wham-O Mfg. Co. Bicycle accessory. 3,284,096, 11–8–66, Cl. 280—289.

Hansen, Elmer K. Hook attachment for a fork lift vehicle. 3,264,026, 8–2–66, Cl. 294—2.

Hansen, Elmer K. Self-unloading feed wagon. 3,286,862, 11–22–66, Cl. 214—519.

Hansen, Elmer K. Laterally movable article support assembly. 3,289,873, 12–6–66, Cl. 214—730.

Hansen, Erik, to Aktieselskabet Burmeister & Wains Maskin-OG Skibsbyggeri. Boring mill. 3,258,996, 7–5–66, Cl. 77—1.

Hansen, Francis F. Monoglyceride of fatty acid preparation and method of preparing same. 3,282,705, 11–1–66, Cl. 99—118.

Hansen, Fred F.: *See*—
Battaglia, Valentine J. 3,251,353.
Hansen, Frode, to Christiani and Nielsen Ltd. Driving and extraction of piles and/or encasing structures. 3,262,507, 7–26–66, Cl. 175—56.
Hansen, George E., and A. Korzenowski, to Crane Co. Gland T-bolt arrangement with bonnet integral lug construction. 3,262,708, 7–26–66, Cl. 277—105.
Hansen, George E., and A. Korzenowski, to Crane Co. Gland eye-bolt collar arrangement for stuffing box construction. 3,262,709, 7–26–66, Cl. 277—105.
Hansen, George E., and A. Korzenowski, to Crane Co. Fabricated stuffing box with gland bolt arrangement. 3,262,710, 7–26–66, Cl. 277—105.
Hansen, George E., and A. Korzenowski, to Crane Co. Fabricated stuffing box with gland eye-bolt arrangement. 3,265,398, 8–9–66, Cl. 277—105.
Hansen, Glen D.: *See*—
Buschbom, Floyd E., and Hansen. 3,292,585.
Buschbom, Floyd E., and Hansen. 3,292,587.
Hansen, Glenn E.: *See*—
Holmer, Raymond W. 3,229,749.
Hansen, Guenter, H. Mueller, K. O. Schmitt, and K. Vogel, to Badische Anilin- & Soda-Fabrik Atkiengesellschaft. Method of calcining sodium bicarbonate. 3,232,701, 2–1–66, Cl. 23—63.
Hansen, Guenter, J. Dehnert, and H. Baumann, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of heterocyclic azo dyes. 3,294,777, 12–27–66, Cl. 260—157.
Hansen, Hans C. Phonograph record changers. 3,257,114, 6–21–66, Cl. 274—10.
Hansen, Hans H., to The Taylor-Winfield Corp. Apparatus for making bar webs for steel joists. 3,246,500, 4–19–66, Cl. 72—297.
Hansen, Hans O.: *See*—
Bonetti, Giovanni A., Gavigan, Hansen, and Rosenthal. 3,240,823.
Hansen, Hans R. A., to The Imperial Electric Co. Dual gain input circuit for generator-fed motor control system. 3,242,407, 3–22–66, Cl. 318—143.
Hansen, Harold L., and H. E. Spaulding, to American Can Co. Separator-disposal apparatus. 3,232,425, 2–1–66, Cl. 209—12.
Hansen, Harold M., to American Can Co. Collapsible tube. 3,235,128, 2–15–66, Cl. 222—107.
Hansen, Harry. Slide fasteners. 3,248,767, 5–3–66, Cl. 24—205.13.
Hansen, Henry O. Display holders. 3,282,437, 11–1–66, Cl. 211—41.
Hansen, Howard J., to The Hansen Mfg. Co. Valve unit. 3,236,251, 2–22–66, Cl. 137—614.05.
Hansen, Howard J., to The Hansen Mfg. Co. Pressure release button. 3,251,574, 5–17–66, Cl. 251—149.7.
Hansen, Howard J., to The Hansen Mfg. Co. Dispensing device. 3,291,441, 12–13–66, Cl. 251—122.
Hansen, Howard J., and R. W. Hursh, to The Hansen Mfg. Co. Valved coupling with fusible safety cut-off means. 3,245,423, 4–12–66, Cl. 137—74.
Hansen, Jean D.: *See*—
Hilton, Foster, Hansen, and Jennings. 3,250,012.
Hansen, John M.: *See*—
Rees, Herbert L., Anselm, and Hansen. 3,253,920.
Hansen, Kenneth H.: *See*—
Banch, George J., Hansen, Holzer, and St. Cyr. 3,254,752.
Hansen, Kern B. E. Nail-driving device. 3,273,209, 9–27–66, Cl. 227—10.
Hansen, Knud A.: *See*—
Nielsen, Helmar T., and Hansen. 3,262,642.
Nielsen, Helmar T., and Hansen. 3,276,261.
Nielsen, Helmar T., and Hansen. 3,276,741.
Hansen, Leo J., D. V. Schwall, and J. T. Colburn, to Armour and Co. Method of preparing a poultry product. 3,285,752, 11–15–66, Cl. 99—107.
Hansen, Leslie N. Folding door. 3,275,064, 9–27–66, Cl. 160—206.
Hansen, Lewis C., and R. J. Mansheim, to W. A. Sheaffer Pen Co. Writing implement. 3,233,275, 2–8–66, Cl. 15—563.
Hansen, Lorin K., to R. A. Cornog. Apparatus for producing charged particles. 3,293,491, 12–20–66, Cl. 315—111.
Hansen, Louis I., to Archer-Daniels-Midland Co. Slow release fertilizer with a plurality of epoxy/polyester resin coatings. 3,259,482, 7–5–66, Cl. 71—64.
Hansen, Louis I., to Archer-Daniels-Midland Co. Slow release fertilizer granule having a plurality of epoxy resin coatings. 3,264,088, 8–2–66, Cl. 71—64.
Hansen, Louis I., to Archer-Daniels-Midland Co. Slow release fertilizer granule having a plurality of urethane resin coatings. 3,264,089, 8–2–66, Cl. 71—64.
Hansen Mfg. Co., The: *See*—
Hansen, Howard J. 3,236,251.
Hansen, Howard J. 3,251,574.
Hansen, Howard J. 3,291,441.
Hansen, Howard J., and Hursh. 3,245,423.
Hansen, Odd A.: *See*—
Canty, John M., First, Frainier, and Hansen. 3,245,571.
Hansen, Omar, Jr., and C. G. Kern, to Franklin Electric Co., Inc. Transfer and labeling machine. 3,276,568, 10–4–66, Cl. 198—110.
Hansen, Oscar C., J. Pickles, and W. Gilmore, to Ferro Mfg. Corp. Adjustable vehicle seat and actuating mechanism therefor. 3,229,955, 1–18–66, Cl. 248—419.
Hansen, Peter T. and S. J., to The British United Shoe Machinery Co. Ltd. Shoe bottom roughing machine. 3,233,438, 2–8–66, Cl. 69—6.5.
Hansen, Philip J., and W. F. Walczak, Jr., to Motorola, Inc. Transmitter output transistor burnout protection. 3,281,697, 10–25–66, Cl. 325—151.
Hansen, Poul M. T., and L. Linton-Smith, to Commonwealth Scientific Industrial Research Organization. Powder produced from butter or other edible fats. 3,271,165, 9–6–66, Cl. 99—118.
Hansen, Quinten A. Hydraulically operated clutch. 3,291,273, 12–13–66, Cl. 192—85.
Hansen, Ralph H., to Bell Telephone Laboratories, Inc. Preparation of expanded polymers. 3,251,911, 5–17–66, Cl. 264—25.
Hansen, Ralph H., to Bell Telephone Laboratories, Inc. Preparation of expanded polymers. 3,253,065, 5–24–66, Cl. 264—47.
Hansen, Raymond J. Sterile booth for pharmacies. 3,242,334, 3–22–66, Cl. 250—42.
Hansen, Richard C., and M. L. Levene, to Radio Corp. of America. Electrostatic web feeding apparatus. 3,273,774, 9–20–66, Cl. 226—50.
Hansen, Robert A., Jr. and D. C. Drain field tile. 3,233,414, 2–8–66, Cl. 61—11.
Hansen, Robert B.: *See*—
Spies, Rolf E., and Hansen. 3,287,494.
Hansen, Robert B., to Motorola, Inc. Color television receiver including color burst separator substantially unaffected by the varying waveform and timing of keying pulses. 3,268,656, 8–23–66, Cl. 178—5.4.
Hansen, Robert B., to Motorola, Inc. Color television receiver including a combined chroma amplifier and burst separator. 3,270,127, 8–30–66, Cl. 178—5.4.
Hansen, Robert B., and A. M. Sethna, to Motorola, Inc. Transistor noise gate with noise cancellation by collector to base signal conductor. 3,236,946, 2–22–66, Cl. 178—7.3.
Hansen, Robert B., and A. M. Sethna, to Motorola, Inc. Television receiver. 3,240,873, 3–15–66, Cl. 178—7.3.
Hansen, Robert B., and H. C. Waldschmidt, to Motorola, Inc. Vertical retrace blanking system utilizing two pulses. 3,247,418, 4–19–66, Cl. 315—13.
Hansen, Robert B., and H. C. Waldschmidt, to Motorola, Inc. Hue control circuits for color television receivers. 3,274,334, 9–20–66, Cl. 178—5.4.
Hansen, Robert D., and R. M. Wheaton, to The Dow Chemical Co. Separation of acid from polymers by dialysis with anion-exchange membranes. 3,244,620, 4–5–66, Cl. 210—22.
Hansen, Robert D., and L. E. McMahon, to The Dow Chemical Co. High stability partially sulfonated cation exchange resins. 3,252,921, 5–24–66, Cl. 260—2.2.
Hansen, Robert D., and R. M. Wheaton, to The Dow Chemical Co. Separation of acids by dialysis with anion-exchange membranes. 3,272,737, 9–13–66, Cl. 210—22.
Hansen, Robert E.: *See*—
Klopp, Edward M., Senderoff, and Hensen. 3,258,365.
Hansen, Robert W., to Jennings Radio Mfg. Corp. Vacuum variable capacitor. 3,257,590, 6–21–66, Cl. 317—245.
Hansen, Roger, to Wago-Klemmenwerk G.m.b.H. Push-in connector. 3,252,124, 5–17–66, Cl. 339—47.
Hansen, Samuel G., and D. W. Stratton, to Douglas Aircraft Co., Inc. Static position error compensation system and apparatus. 3,228,247, 1–11–66, Cl. 73—389.
Hansen, Samuel G., and D. W. Stratton, to Douglas Aircraft Co., Inc. Static position error compensation system and apparatus. 3,262,316, 7–26–66, Cl. 73—388.
Hansen, Siegfried: *See*—
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Hansen, Siegfried, to Hughes Aircraft Co. Cryopump with regenerative shield. 3,256,706, 6–21–66, Cl. 62—55.5.
Hansen, Siegfried, and G. F. Bonardi, to Litton Systems, Inc. Radially converging fusion reactor. 3,243,348, 3–29–66, Cl. 176—1.
Hansen, Svend J.: *See*—
Hansen, Peter T. and S. J. 3,233,438.
Hansen, Waldemar H., to Socony Mobil Oil Co., Inc. Production of dialkyl ethers. 3,267,156, 8–16–66, Cl. 260—614.
Hansen, Warren T., and M. A. Wertheimer, to Gilman Mfg. Co. Paper feed and tensioning device for use in article wrapping machines. 3,293,826, 12–27–66, Cl. 53—228.
Hansen, Wilford N., to United States of America, Atomic Energy Commission. Preparation of binary compounds of uranium and thorium. 3,272,601, 9–13–66. Cl. 23—349.
Hansen, Wilhelm A., to The Bendix Corp. Humidistat having novel hygroscopic material configuration. 3,243,536, 3–29–66, Cl. 200—61.06.
Hanser, Paul E., and E. R. Wiemann, to Deere & Co. Backhoe. 3,243,053. 3–29–66, Cl. 212—66.
Hansford, Rowland C., to Union Oil Co. of California. High-silica molecular sieve zeolites. 3,227,660, 1–4–66, Cl. 252—455.
Hansford, Rowland C., to Union Oil Co. of California. Hydrocracking process and catalysts. 3,267,022, 8–16–66, Cl. 208—111.
Hansford, Rowland C., to Union Oil Co. of California. Hydrocracking process with the use of a Y-type crystalline zeolite and a nitrogen containing hydrocarbon oil. 3,269,934, 8–30–66, Cl. 208—111.
Hansford, Rowland C., and R. H. Hass, to Union Oil Co. of California. Activation of hydrocarbon conversion catalysts employed in the hydrocracking of hydrocarbons. 3,287,257, 11–22–66, Cl. 208—111.

Hansley, George S.: *See*—
Lung, Kenneth B., Hansley, and Erisman. 3,233,732.
Hanslick, Roy S.: *See*—
Bruce, William F., Hanslick, and Seifter. 3,252,976.
Hanson, Alden W. Ski boots having a thixotropic material encircling the ankle portion thereof. 3,237,319, 3–1–66, Cl. 36—2.5.
Hanson, Alfred H., to Teledex Inc. Cable construction. 3,257,863, 6–28–66, Cl. 74—501.
Hanson, Austin M.: *See*—
Garbutt, John T., and Hanson. 3,268,417.
Hanson, Chris A. Support for mounting outboard motor. 3,242,889, 3–29–66, Cl. 115—41.
Hanson, Chris A. ½ to D. J. Diehl. Extension handle for outboards. 3,274,849, 9–27–66, Cl. 74—480.
Hanson, David C.: *See*—
Whittemore, Dwight S., and Hanson. 3,232,773.
Hanson, Donald E.: *See*—
Regan, Francis A., Jr., Lincoln, and Hanson. 3,278,958.
Regan, Francis A., Jr., Lincoln, and Hanson. 3,279,366.
Hanson, Donald W., to G. T. Schjeldahl Co. Method and apparatus for banding articles with thermoplastic material. 3,248,849, 5–3–66, Cl. 53—210.
Hanson, Elliott F. Fluid operated device. 3,230,840, 1–25–66, Cl. 91—137.
Hanson, Ellis P.: *See*—
Garth, William W., Jr., and Hanson. 3,234,363.
Garth, William W., Jr., and Hanson. 3,289,176.
Hanson, Ellis P., to Photon, Inc. Type composing method and apparatus. 3,245,614, 4–12–66, Cl. 234—1.
Hanson, Henry L. Merchandise display having perpetual inventory control. 3,251,464, 5–17–66, Cl. 206—78.
Hanson, Henry L. Merchandise display having perpetual inventory control. 3,251,476, 5–17–66, Cl. 211—57.
Hanson, Herbert G., D. E. Gorman, and E. W. Veres, to The Bastian-Blessing Co. Air line pressure regulator. 3,282,285, 11–1–66, Cl. 137—116.5.
Hanson, John H. A.: *See*—
Adams, George E., Whale, and Hanson. 3,264,719.
Adams, George E., Whale, and Hanson. 3,270,402.
Hanson, John L., to Ideas Unlimited, Inc. Time correction device for master clocks. 3,277,645, 10–11–66, Cl. 58—24.
Hanson, Lawrence A., and A. M. Kingsborough, to Union Carbide Canada Ltd. Embossed anti-skid bags. 3,283,992, 11–8–66, Cl. 229—53.
Hanson, Leroy C.: *See*—
Sullivan, John A., and Hanson. 3,243,578.
Hanson, Leroy C., to Ferro Corp. Support for sheathed electrical heating element. 3,253,811, 5–31–66, Cl. 248—49.
Hanson, Leroy C., to Ferro Corp. Surface unit assembly. 3,284,612, 11–8–66, Cl. 219—455.
Hanson, Maynard P. Table cloth holding device. 3,290,743, 12–13–66, Cl. 24—81.
Hanson, Merlyn L., and H. Ziermann, to United Aircraft Corp. Microwave flaw detection system. 3,278,841, 10–11–66, Cl. 324—58.5.
Hanson, Newell B., to Hanson Silo Co. Ensilage distributor. 3,269,780, 8–30–66, Cl. 302—60.
Hanson, Norman D., and S. J. Schultz, to Union Carbide Corp. Phenolic resin compositions containing bis-(aminophenyl)-sulfones. 3,245,947, 4–12–66, Cl. 260—49.
Hanson, Ove O., to Mayes Brothers Tool Mfg. Co. Carpenter's tool. 3,289,301, 12–6–66. Cl. 33—93.
Hanson, Ove O., to Mayes Bros. Tool Mfg. Co. Measuring instrument. 3,293,757, 12–27–66, Cl. 33—94.
Hanson, Paula B. Device for opening and closing back zipper. 3,276,087, 10–4–66. Cl. 24—205.15.
Hanson, Raymond A. Directional control apparatus. 3,247,771, 4–26–66, Cl. 94—46.
Hanson, Raymond A. Support apparatus for surfacing equipment. 3,247,922, 4–26–66, Cl. 180—9.52.
Hanson, Raymond A. Steering system. 3,282,050, 11–1–66. Cl. 60—52.
Hanson, Raymond A. Consolidating apparatus. 3,290,804, 12–13–66, Cl. 37—81.
Hanson, Raymond F., to General Electric Co. Direct-current low voltage regulator utilizing a transistor. 3,289,092, 11–29–66, Cl. 330—15.
Hanson, Roger S., to General Motors Corp. Method and apparatus for fatigue testing materials. 3,234,783, 2–15–66, Cl. 73—100.
Hanson, Ross A., to Union Oil Co. of California. Catalytic airblown asphalt. 3,258,419, 6–28–66, Cl. 208—44.
Hanson, Roy R., ¼ to W. H. Anderson, ¼ to J. H. Schierman, and ¼ to G. A. Blase. Air-conditioning systems for enclosed spaces such as automobiles. 3,226,938, 1–4–66, Cl. 62—174.
Hanson, Roy R., ¼ each to W. H. Anderson, J. H. Schierman, and G. A. Blase. Compressors and unitary control means therefor. 3,230,730, 1–25–66, Cl. 62—197.
Hanson, Roy R., ¼ to W. H. Anderson, ¼ to J. A. Schierman, and ¼ to G. Blase. Portable storage and dispensing devices. 3,272,411, 9–13–66, Cl. 224—15.
Hanson, Roy R., and E. A. Braden; ⅛ to W. H. Anderson, ¼ to J. H. Schierman, and ¼ to G. A. Blase. Space coolers. 3,258,197, 6–28–66, Cl. 230—147.
Hanson, Rudolph A., E. J. Ziegler, and J. E. Fischer, to Yard-Man, Inc. Lawn mower roller adjustment. 3,260,042, 7–12–66. Cl. 56—249.
Hanson, Rudolph A., E. J. Ziegler, and J. E. Fischer, to Yard-Man, Inc. Front mounting for rotary-type mower. 3,263,406, 8–2–66, Cl. 56—25.4.
Hanson, Rudolph A., E. J. Ziegler, and J. E.Fischer, to Yard-Man, Inc. Front mounting for reel-type mower. 3,267,654, 8–23–66. Cl. 56—26.
Hanson Scale Co.: *See*—
Hanssen, Stan B. 3,229,780.
Hanson Silo Co.: *See*—
Hanson, Newell B. 3,269,780.
Hanson, Theodore L., S. L. Black, and J. F. Ferguson, to The Vendo Co. Ice making apparatus for beverage vending machine. 3,269,138, 8–30–66, Cl. 62—135.
Hanson, Thomas F.: *See*—
Culver, Irven H., Hanson, and Look. 3,261,407.
Hanson-Van Winkle-Munning Co.: *See*—
Harper, Willard J., and Hauck. 3,270,855.
Kardos, Otto. 3,254,007.
Schantz, Donald H. 3,265,475.
Hanson, Wallace E., to Sample-Durick Inc. Carton constructions. 3,252,566, 5–24–66, Cl. 206—45.14.
Hanson, Walter E. Test apparatus for time-indicating devices. 3,287,958, 11–29–66, Cl. 73—6.
Hanson, Walter E., and E. H. Fischer, to United States of America, Navy. Time code generator. 3,229,278, 1–11–66, Cl. 340—347.
Hanson, Walter J.: *See*—
Barnard, Monroe G., Hanson, and Varholak. 3,236,355.
Barnard, Monroe G., Hanson, and Varholak. 3,279,598.
Hanson, Walter J., to C. H. Stuart & Co., Inc. Earring construction. 3,234,756, 2–15–66, Cl. 63—14.
Hanson, Wesley T., Jr., to Eastman Kodak Co. Light-sensitive elements for color photography and process therefor. 3,271,152, 9–6–66, Cl. 96—56.5.
Hanson, Wesley T., Jr., and H. W. Vogt, to Eastman Kodak Co. Method for elimination of reversal re-exposure in processing photographic elements. 3,246,987, 4–19–66, Cl. 96—59.
Hanson, William E.: *See*—
Rairdon, Charles T., and Hanson. 3,259,511.
Hanson, William O.: *See*—
Moore, Gary R., and Hanson. 3,279,417.
Hanssen, Ernstgeorg: *See*—
Von Drachenfels, Heinrich-Jurgen F., and Hanssen. 3,229,647.
Hanssen, Stan B., to Hanson Scale Co.. Calibrated spring weighing scale. 3,229,780, 1–18–66, Cl. 177—233.
Hanssen, Tore B., to King-Seeley Thermos Co. Automatic dryer control. 3,279,088, 10–18–66, Cl. 34—45.
Hanssmann, Kurt E., to International Harvester Co. Torsion bar spring draft sensing means for implement hitch mechanism. 3,239,013, 3–8–66, Cl. 172—10.
Hansson, Ants, to Continental Can Co., Inc. Method of making cellular structure. 3,239,922, 3–15–66. Cl. 29—157.3.
Hansson, Ants, and R. M. Brick, to Continental Can Co., Inc. Production of externally finned sheet stock. 3,247,583, 4–26–66, Cl. 29—157.3.
Hansson, Bror, to Allmanna Svenska Elektriska Aktiebolaget. Method for extruding pipe of metal or similar material. 3,261,195, 7–19–66, Cl. 72—256.
Hansson, Thure H. Apparatus for controlling the moisture content in liquid-absorbing substances. 3,273,849, 9–20–66, Cl. 251—4.
Hansz, Edward R., to Michigan Precision Molded, Inc. Method of making shaft seals. 3,276,115, 10–4–66, Cl. 29—527.
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Hantz, Joseph H., Jr.: *See*—
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Hanus, Jean, to Dunlop Rubber Co. Ltd. Pneumatic tires. 3,280,877, 10–25–66, Cl. 152—354.
Hanvill, William D.: *See*—
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Hanzalek, Frederick J., to Combustion Engineering, Inc. Economic combination and operaiton of boiler throttle valves. 3,262,431, 7–26–66, Cl. 122—406.
Hanzel, Robert S., and S. E. Krahler, to E. I. du Pont de Nemours and Co. Process for inhibiting foam formation in aqueous talc dispersions. 3,251,782, 5–17–66, Cl. 252—321.
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Happe, Reynold, L. F. Daman, and R. S. Newhall, to The Singer Co. Multi-use canister type vacuum cleaner. 3,286,466, 11–22–66, Cl. 55—357.
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Happel, Fritz. Method of mechanical milking. 3,236,207, 2–22–66, Cl. 119—14.02.
Happel, John, and L. Kramer. Pyrolysis of hydrocarbons. 3,227,771, 1–4–66, Cl. 260—679.
Happel, John, C. J. Marsel, and J. H. Blanck, to National Lead Co. Isomerization process and catalyst. 3,235,617, 2–15–66, Cl. 260—678.
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Harbert, Bobby C., to Phillips Petroleum Co. Manganese salt additives for aluminized propellants. 3,245,850, 4–12–66, Cl. 149—19.
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Harden, Vondel L. Reducing chin support. 3,283,755, 11–8–66, Cl. 128—63.
Hardenbrook, Frederic G., to United States of America, Army. Flexible cooking bag. 3,289,722, 12–6–66, Cl. 150—.5.
Harder, Robert J., and J. C. Kauer, to E. I. du Pont de Nemours and Co. Certain 2,3-benzo-1,3a,6a-triazapentalene compounds. 3,262,944, 7–26–66, Cl. 260—308.

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Harder, William. Body rest for workers in elevated positions. 3,261,425, 7–19–66, Cl. 182—187.
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Hardesty, George K. C. Photo-luminescent display means. 3,270,201, 8–30–66, Cl. 250—71.
Hardesty, Thomas K. C., to United States of America, Navy. Positive electrolytic time delay switching mechanism. 3,230,326, 1–18–66, Cl. 200—61.05.
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Hardie, Waldo R., and I. F. Halverstadt, to Cutter Laboratories, Inc. Carbocyclic substituted piperidyl dioxolanes. 3,262,938, 7–26–66, Cl. 260—294.7.
Hardies, Charles E., to Magnetics, Inc. Magnetic circuit employing a saturable reactor and saturable transformer for firing a silicon controlled rectifier. 3,242,413, 3–22–66, Cl. 321—18.
Hardies, Donald E., to Pittsburgh Plate Glass Co. Stabilization of methyl chloroform. 3,281,480, 10–25–66, Cl. 260—652.5.
Hardigg, James S. Shock isolator element for cushioned container unit and method of making the same. 3,283,988, 11–8–66, Cl. 229—14.
Hardin, James B. Continuous film-handling system. 3,228,619, 1–11–66, Cl. 242—55.19.
Hardin, Johnny L., and H. R. Johnston, to Clark Equipment Co., Inc. Epoxy floor laying machine. 3,273,474, 9–20–66, Cl. 94—45.
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Harding, Francis, to St. Regis Paper Co. Method for making all plastic valved bags. 3,279,330, 10–18–66, Cl. 93—35.
Harding, James, and W. G. Colclough, Jr., to Union Carbide Corp. Sulfone containing phenolic resin compositions. 3,256,361, 6–14–66, Cl. 260—838.
Harding, Philip A., to Bell Telephone Laboratories, Inc. Noise reduction circuit. 3,284,784, 11–8–66, Cl. 340—174.
Harding, Philip A., and E. H. Siegel, Jr., to Bell Telephone Laboratories, Inc. Current drive circuit. 3,275,840, 9–27–66, Cl. 307—88.
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Harding, William A., and H. Shalit, to Air Products and Chemicals, Inc. Method for preparing organosilanes. 3,277,135, 10–4–66, Cl. 260—448.2.
Harding, William E., to International Business Machines Corp. Method and apparatus for producing articles having arrays of similar patterns. 3,288,045, 11–29–66, Cl. 95—18.
Harding, William E., J. L. Langdon, and R. P. Pecoraro, to International Business Machines Corp. Method of forming contacts on semiconductors. 3,266,127, 8–16–66, Cl. 29—155.5.
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Hardman, James A. Piston-ported volume displacement means accommodating multiple, work effecting components. 3,250,931, 5–10–66, Cl. 310—75.
Hardman, Kenneth V., to H. V. Hardman Co. Package for reactive multi-component compositions. 3,266,625, 8–16–66, Cl. 206—56.
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Hardy, Derek J., to Westland Aircraft Ltd. Shock absorbing means for air cushion vehicles. 3,294,188, 12–27–66, Cl. 180—7.
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Hardy, Edgar E., to Monsanto Co. Integral rain gutter and attaching means therefor. 3,248,827, 5–3–66, Cl. 52—11.
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Hardy, Henry, to International Vulcanizing Corp. Apparatus for making shoes. 3,255,491, 6–14–66, Cl. 18—17.
Hardy, Henry, to International Vulcanizing Corp. Method for making shoes. 3,272,903, 9–13–66, Cl. 264—244.
Hardy, Howard C. Method and apparatus for measuring the sound absorption of acoustical materials. 3,254,739, 6–7–66, Cl. 181—.5.
Hardy, John F., to Cabot Corp. Solar evaporation with floating carbonaceous material. 3,279,527, 10–18–66, Cl. 159—47.
Hardy, John F., M. E. Jordan, and A. I. Medalia, to Cabot Corp. Solar evaporation with floating polymeric-carbonaceous material. 3,282,327, 11–1–66, Cl. 159—47.
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Hardy, Maurice E., to Zenith Radio Corp. Portable phonographs. 3,260,528, 7–12–66, Cl. 274—1.
Hardy, Paul W., and O. M. Peterson, to American Can Co. Method of forming foamed plastic articles. 3,253,066, 5–24–66, Cl. 264—51.
Hardy, Robert N., to International Con-Sep, Inc. Inertial air concentrating process and apparatus. 3,255,886, 6–14–66, Cl. 209—475.
Hardy, Samuel G., and J. R. Barr, to General Electric Co. Plug type probe for capacitively measuring surface flatness surrounding circular hole in metal plate. 3,257,591, 6–21–66, Cl. 317—246.
Hardy, Vincent L., to United Aircraft Corp. Rule cutting device. 3,256,764. 6–21–66, Cl. 83—690.
Hardy, Walter L., and C. W. Huffman, to International Mineral & Chemical Corp. Marine antifouling composition and method of treating surfaces. 3,266,913, 8–16–66, Cl. 106—15.
Hardy, Wayne, and W. F. Quinlivan. Goniometer apparatus for brain surgery. 3,262,452, 7–26–66, Cl. 128—303.
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Hardy, William B., J. P. Milionis, and F. G. Pinto, to American Cyanamid Co. Polymers stabilized with ortho-hydroxyaryl-s-triazines. 3,268,474, 8–23–66, Cl. 260—45.8.
Hardy, William C., to Sun Oil Co. In situ combustion method for high viscosity petroleum deposits. 3,263,750, 8–2–66, Cl. 166—11.

Hardy, William C., and B. W. McArthur, to Sun Oil Co. Secondary recovery of petroleum. 3,269,460, 8–30–66, Cl. 166—10.

Hardy, William C., J. C. Shepard, and K. L. Reddick, to Sun Oil Co. Secondary recovery of petroleum with a preformed emulsion slug drive. 3,294,164, 12–27–66, Cl. 166—10.

Hardy, Wilton A., to International Business Machines Corp. Laser imaging employing a degenerate optical cavity. 3,293,565, 12–20–66, Cl. 331—94.5.

Hare, Bertram S. Combination window screen, storm sash and wicket. 3,243,928, 4–5–66, Cl. 52—202.

Hare, George H., to Burroughs Corp. Method and apparatus for magnetic recording and reproducing. 3,239,824, 3–8–66, Cl. 340—174.1.

Hare, George H., to Friden, Inc. Electromechanical delay line having profiled sensitivity transducer for correcting pulse dispersion. 3,286,190, 11–15–66, Cl. 333—30.

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Hare, Richard C.: *See*—
Heinrich, Allan E., Hare, and Master. 3,232,056.
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Hare, Weston A., to E. I. du Pont de Nemours and Co. Direct solution preparation of aromatic polyesters. 3,234,168, 2–8–66, Cl. 260—30.4.

Hare, Weston A., to E. I. du Pont de Nemours and Co. Bonded alumina refractory. 3,244,539, 4–5–66, Cl. 106—65.

Hare, Weston A., and W. E. Jordan, to E. I. du Pont de Nemours and Co. Abrasion resistant refractory material. 3,285,761, 11–15–66, Cl. 106—59.

Harein, Phillip K.: *See*—
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Harel, Abraham, to Radio Corp. of America. Data storage systems. 3,263,214, 7–26–66, Cl. 340—146.1.

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Harel, Simcha, Z. Pessahovitz, C. (Haim) Klein, and B. Peskin, to Chemicals & Phosphates Ltd. Process for the production of magnesium fluoride. 3,257,166, Cl. 6–21–66, Cl. 23—88.

Harel, Simha, G. Stern, Z. Pessahovitz, and G. Budman, to Chemical & Phosphates Ltd. Process for the manufacture of alkali metal fluoborates. 3,290,113, 12–6–66, Cl. 23—59.

Harel, Simha, G. Stern, and C. C. Klein, to Chemical & Phosphates Ltd. Process for the preparation of potassium fluoborates. 3,290,114, 12–6–66, Cl. 23—59.

Haren, Doyle V., to Dayco Corp. Reinforced corrugated hose. 3,288,170, 11–29–66, Cl. 138—122.

Harenberg, Harold L., Jr., to Douglas Aircraft Co., Inc. Adapter control mechanism. 3,258,690, 6–28–66, Cl. 328—151.

Harendza-Harinxma, Alfred J., to Western Electric Co., Inc. Beta tatalum thin-film capacitors. 3,275,915, 9–27–66, Cl. 317—258.

Harfenist, Morton, to Burroughs Wellcome & Co. (U.S.A.), Inc. Method of preparing heterocyclic aldehydes. 3,294,790, 12–27–66, Cl. 260—243.

Harfenist, Morton, and R. Baltzly, to Burroughs Wellcome & Co. (U.S.A.) Inc. Naphthamidines and salts thereof. 3,290,375, 12–6–66, Cl. 260—564.

Harford Metal Products, Inc.: *See*—
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Harger, Enno F., H. M. Rogers, Jr., and K. B. Tate, to Chas. Pfizer & Co., Inc. Sterile air supplying apparatus. 3,254,942, 6–7–66, Cl. 21—74.

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Harsanyi, Eugene P., to Deton Aktiengesellschaft. Apparatus for triturating solid materials. 3,248,060, 4–26–66, Cl. 241—1.

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Harsanyi, Kalman, D. Korbonits, K. Takats, L. Tardos, and G. Leszkovszsky, to Chinoin Gyogyszer-es Vegyeszeti Termekek Gyara R.T. N-aryl-1,1-diphenylpropylamine derivatives. 3,262,977, 7–26–66, Cl. 260—570.

Harsanyi, Kalman, P. Kiss, L. Tardos, and G. Leszkoszky, to Chinoin Gyogyszer-es Vegyeszeti Termekek Gyara RJ. Process for the preparation of oxadiazole derivatives. 3,265,692, 8–9–66, Cl. 260—247.5.

Harsányi, Kálman, D. Korbonits, K. Takács, L. Tardos, G. P. Lexskovszky, and I. Erdély, to Cinoin Gyógyszer-és Vegyészeti Termékek Gyára RT. N-1,1-bis[aminophenyl]-propylamines and salts thereof. 3,274,248, 9–20–66, Cl. 260—570.

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Harsch, John E., C. Moruska, A. M. Smith, T. G. Lainas, and A. G. Murray, to United States Rubber Co. Method of recovering resinous polymer from latex. 3,248,455, 4–26–66, Cl. 260—879.

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Hart, Leroy D., and W. F. Graebe, to Aluminum Co. of America. Method of preparing casting slips from alumina hydrate. 3,261,703, 7–19–66, Cl. 106—65.

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Hartland, Derek, to The English Electric Co. Ltd. Hydraulic pumps and reversible pump turbines. 3,237,564, 3–1–66, Cl. 103—113.
Hartland, Derek, to The English Electric Co. Ltd. Hydraulic pumps and reversible pump turbines. 3,237,565, 3–1–66, Cl. 103—113.
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Hartmann, Louis M., and A. B. A. Hansen, to Aktieselskabet Brodrebe Hartman. Package of resilient material for fragile objects. 3,276,636, 10–4–66, Cl. 229—2.5.
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Brand, George W., Hartmann, and Schmitz. 3,260,166.
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Hartsock, Robert E., to United-Carr Inc. Multiple circuit selector switch. 3,291,925, 12–13–66, Cl. 200—46.
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Hartsough, Russell E. Building ventilating system. 3,285,153, 11–15–66, Cl. 98—33.
Hartung, Glenn J.: *See*—
Green, William G., and Hartung. 3,250,432.
Hartung, Philip F., Jr. Bipod components and building units containing same. 3,273,299, 9–20–66, Cl. 52—648.
Hartung, Robert W.: *See*—
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Hartupee, Perry B., to Powr-Lok Corp. Differential. 3,264,900, 8–9–66, Cl. 74—711.
Hartwell Corp., The: *See*—
Bryant, Richard E. 3,269,680.
Sawyer, Frank L. 3,238,581.
Hartwell, Donald S., and R. E. Wyman. Portable motor operated manicuring device. 3,255,766, 6–14–66, Cl. 132—13.6.
Hartwell, Roy: *See*—
Ashcroft, David J., and Hartwell. 3,267,000.
Williams, Ronald P., and Hartwell. 3,280,004.
Hartwig, Donald R., to Deere & Co. Wheeled hitch device for towing a pair of trailing units. 3,269,749, 8–30–66, Cl. 280—411.
Hartwig, Ernst, and W. Braun, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Process for producing 1,4-naphthoquinones[2,3-F]-phthalimides. 3,294,815, 12–27–66, Cl. 260—325.
Hartwig, Floyd M., K. Leenay, and G. B. Strawbridge, to Sperry Rand Corp. Simultaneous read-write addressing. 3,237,169, 2–22–66, Cl. 340—172.5.
Hartwig, Hans H. Apparatus and method for flexographic printing with doctor roll ink control. 3,285,169, 11–15–66, Cl. 101—207.
Hartwig, Horst, to VEB Carl Zeiss Jena. Apparatus for strip-by-strip rectification of photograms. 3,277,780, 10–11–66, Cl. 88—24.
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Hartzell, Harry F., Jr., to Koppers Co., Inc. Safety device for suspended conveyor take-up mechanisms. 3,275,126, 9–27–66, Cl. 198—208.
Hartzell, Herschell H., to A. O. Smith Corp. Piggyback trailer hitch for railway cars. 3,252,432, 5–24–66, Cl. 105—368.
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Harvell, Don L.: *See*—
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Ensley, Donald L. 3,240,049.
Ensley, Donald L. 3,280,641.
Ensley, Donald L. 3,283,589.
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Fearon, Robert E. 3,239,747.
Tye, Frank M., Jr. 3,252,518.
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Cass, Richard W. 3,292,244.
Clayton, William A. 3,277,785.
Harvey, Homer M. 3,257,832.
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Hilton, Ralph W. 3,260,097.
Joneikis, Albert E. 3,254,555.
Loevenstein, Hirsch. 3,272,721.
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Rotsell, Wayne C., Jr., and Long. 3,231,435.
Thomas, Harold E. 3,233,415.
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Harvey, Donald M., and J. H. Eagle, to Eastman Kodak Co. Mount for a piece of film and a medium for storing sound signals. 3,276,154, 10–4–66, Cl. 40—28.1.
Harvey, Earle M., to United States of America, Army. Hangfire indicator for automatic firearms. 3,229,399, 1–18–66, Cl. 42—1.
Harvey, Edmund N., Jr.: *See*—
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Fehling, Hans R., and Harvey. 3,234,917.
Fehling, Hans R., Harvey, Pateman, and Street. 3,234,771.
Fehling, Hans R., Harvey, Street, and Pateman. 3,281,933.

Harvey, Gerald B. Endless tread vehicle. 3,239,021, 3–8–66, Cl. 180—6.7.

Harvey, Harmond S. Sponge mop. 3,258,809, 7–5–66, Cl. 15—321.

Harvey, Homer M., to Harvey Aluminum (Inc.). Method and apparatus for finishing extrusions. 3,257,832, 6–28–66, Cl. 72—183.

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Harvey, James. Electronic actuator for fire protection systems. 3,229,770, 1–18–66 Cl. 169—19.

Harvey, James A. Mobile grouting plant. 3,231,245, 1–25–66, Cl. 259—153.

Harvey, James I., Jr. Air mattress and hammock combination. 3,286,285, 11–22–66, Cl. 5—348.

Harvey, James R., to Deere & Co. Control means for locking differential. 3,292,720, 12–20–66, Cl. 180—6.2.

Harvey, John, Jr., to E. I. du Pont de Nemours and Co. Naphthyl- and indanylimidazolines. 3,287,469, 11–22–66, Cl. 260—309.6.

Harvey, John F., to The Babcock & Wilcox Co. Pressure vessel closure assembly. 3,279,645, 10–18–66, Cl. 220—55.

Harvey, John F., to The Babcock & Wilcox Co. Spur tube heat exchanger. 3,288,811, 11–8–66, Cl. 165—142.

Harvey, John P., and H. P. Berends, to Harvey Machine, Inc. Hydraulically operated well pipe extracting apparatus. 3,233,868, 2–8–66, Cl. 254—31.

Harvey, Kathryn B. Disposable plastic bag. 3,276,670, 10–4–66, Cl. 229—53.

Harvey, Leo M., to Harvey Aluminum (Inc.). One-piece extruded container for canning. 3,272,383, 9–13–66, Cl. 220—66.

Harvey, Louis A. Combined phonograph record holder and record container picture frame. 3,254,927, 6–7–66, Cl. 312—10.

Harvey, Louis A. Portable imitation fireplace and storage article. 3,268,282, 8–23–66, Cl. 312—204.

Harvey, Luke M., to General Electric Co. Cylindrical instrument shunt for large magnitude currents. 3,260,939, 7–12–66, Cl. 324—126.

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Harvey, Phillip D., and J. W. Unverferth, to Chevron Research Co. Reactivation of thermactivated catalyst. 3,259,588, 7–5–66, Cl. 252—411.

Harvey, Richard F., to Metaltronics, Inc. Metal processing. 3,290,936, 12–13–66, Cl. 72—203.

Harvey, Richard F., and C. H. Bryant, to Cyclops Corp. Ingot mold. 3,254,867, 6–7–66, Cl. 249—174.

Harvey, Robert, and F. L. Lo Maglio, to Thermo Electron Engineering Corp. Steam engine with self-contained valvular mechanism. 3,279,326, 10–18–66, Cl. 91—224.

Harvey, Robert R., to General Motors Corp. Labyrinth seal. 3,251,601, 5–17–66, Cl. 277—53.

Harvey, Robert R., to Phillips Petroleum Co. Method for increasing subterranean formation permeability. 3,270,808, 9–6–66, Cl. 166—9.

Harvey, Samuel E.: *See*—
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Harvill, Edward K., deceased, by J. T. Harvill, heir, to Miles Laboratories, Inc. Method of detecting unconjugated catechol amine metabolites. 3,236,601, 2–22–66, Cl. 23—230.

Harvill, Edward K., to Miles Laboratories, Inc. Diagnostic composition and test indicator. 3,266,868, 8–16–66, Cl. 23—253.

Harvill, Edward K., and E. C.-C. Ku, to Miles Laboratories, Inc. Method and composition for diagnosing glucose. 3,278,394, 10–11–66, Cl. 195—103.5.

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Harwell, Earnest W., and T. W. Mastin, to The Lubrizol Corp. Phosphating a steel strip prior to annealing and temper rolling. 3,288,655, 11–29–66. Cl. 148—6.15.

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Maglott, George F. 3,249,289.
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Harwood, Gordon M. Supporting beam deflection switch actuated overload safety device for elevators. 3,241,636, 3–22–66, Cl. 187—29.

Harwood, Harold J., to Monsanto Co. Cyclic phosphonites. 3,270,092, 8–30–66, Cl. 260—937.

Harwood, Leopold A., to Radio Corp. of America. Ultra high-frequency transistor oscillator. 3,270,292, 8–30–66, Cl. 331—97.

Harwood, Leopold A., to Radio Corp. of America. Insulated-gate field-effect transistor oscillator circuits. 3,281,699, 10–25–66, Cl. 325—440.

Harwood, Leopold A., and T. Murakami, to Radio Corp. of America. Parametric amplifier frequency up-converter. 3,261,981, 7–19–66, Cl. 307—88.3.

Harwood Mfg. Co.: *See*—
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Harwood, Mark H., to Roanwell Corp. Variable capacitor and electrical connector for use therewith. 3,268,784, 8–23–66, Cl. 317—249.

Harwood, Norman F. Extrusion apparatus. 3,276,075, 10–4–66, Cl. 18—12.

Harwood, Norman F., and A. J. Osborne, to Baker Perkins, Inc. Blown article holding and de-flashing device. 3,229,558, 1–18–66, Cl. 83—454.

Harwood, Norman F., and A. J. Osborne, to Baker Perkins Inc. Blow moulding apparatus. 3,235,907, 2–22–66, Cl. 18—5.

Harwood, Robert H., to United States of America, Navy. Apparatus for operating an input-device recording tape asynchronously with a synchronous digital computer system. 3,267,437. 8–16–66, Cl. 340—172.5.

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Hasbrouck, Paul A. Stethoscope bell cover. 3,255,841, 6–14–66, Cl. 181—24.

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Hasell, Henry P., and G. A. Daines, to Westinghouse Electric Corp. Apparatus for repairing and feeding hollow metal articles. 3,262,296, 7–26–66, Cl. 72—86.

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Haselow, William J., and W. H. Koch, to Consolidated Papers, Inc. Offset printing. 3,243,337, 3–29–66, Cl. 161—36.

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Haselton, Frederick R. Tandem propeller propulsion and control system. 3,291,086, 12–13–66, Cl. 114—16.

Haselton, Merton L., to The Bunker-Ramo Corp. Translation apparatus. 3,231,883, 1–25–66, Cl. 340—347.

Haselwood, Donald E.: *See*—
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Hasenbank, Kenneth N., to Toro Mfg. Corp. Riding mower with interlock system of safety switches. 3,229,452, 1–18–66. Cl. 56—25.4.

Hasenclever, Werner, to North American Philips Co. Inc. Method of soldering Peltier devices. 3,226,804, 1–4–66, Cl. 29—155.5.

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Hasha, Malvern M. Arrangement for connecting a tubular member in a well string. 3,282,339, 11–1–66, Cl. 166—77.5.

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Hashemi-Tafreshi, Hadi, to Conch International Methane Ltd. Removal of carbon dioxide and/or hydrogen sulphide from methane. 3,236,057. 2–22–66. Cl. 62—12.

Hashemi-Tafreshi, Hadi, to Conch International Methane Ltd. Liquefaction of gases. 3,257,813, 6–28–66, Cl. 62—23.

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Haskell, Boris. Electrical wire lead connector. 3,242,457, 3–22–66, Cl. 339—95.

Haskell, Clyde C.: *See*—
Albenesius, Edward L., Haskell, and Hawkins. 3,291,997.

Haskell, Donald M., to Phillips Petroleum Co. Isoprene purification by extractive distillation with acetonitrile and recovery of acetonitrile thus used. 3,248,308, 4–26–66, Cl. 202—39.5.

Haskell, Donald M., and G. H. Dale, to Phillips Petroleum Co. Solvent purification in the polymerization of butadiene. 3,244,686, 4–5–66, Cl. 260—94.3.

Haskell, Edward C., F. W. Michelotti, H. Burrell, and E. G. Shur, to Interchemical Corp. Coating compositions comprising acrylamide copolymers and copolymers containing 50% styrene. 3,249,564, 5–3–66, Cl. 260—22.

Haskell, Floyd K.: *See*—
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Haskell, John W., to International Business Machines Corp. Record card memories. 3,251,043, 5–10–66, Cl. 340—173.

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Haskin, Lawrence H., Jr., to The Inta-Roto Machine Co., Inc. Web tension control means. 3,283,982, 11–8–66, Cl. 226—195.

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Haskovec, Jiri S., and A. Klimek to Ceskoslovenská akademie véd. Contactless alternating current switch with controlled rectifiers of the electronic type. 3,290,514, 12–6–66, Cl. 307—88.5.

Haslam, John H., to E. I. du Pont de Nemours and Co. Electroplating of metals using mercapto-metal complex salts. 3,238,112, 3–1–66, Cl. 204—45.

Haslam, John H., to E. I. du Pont de Nemours and Co. Process and composition for the removal of tarnish on metals. 3,282,848, 11–1–66, Cl. 252—105.

Haslehurst, Arthur K., to Paramatic Development Ltd. One-way electric transmission brake. 3,262,524, 7–26–66, Cl. 192—9.

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Haspert, John C., to Smith Industries International, Inc. Rotary axial impact type earth boring tool. 3,232,361, 2–1–6, Cl. 175—102.

Hass, David P., S. Oldberg, and S. Timour, to Eaton Yale & Towne Inc. Mechanical-fluid energy converting means. 3,266,715, 8–16–66, Cl. 230—15.

Hass, Foster W., and C. R. Anderson, to Aluminum Co. of America. Tubular extrusion apparatus and method. 3,279,231, 10–18–66, Cl. 72—273.

Hass, Frederick M. Surgical foot cast and appliances therefor. 3,263,679, 8–2–66, Cl. 128—83.5.

Hass, Karl: *See*—
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Lenz, Arnold, Hass, Epler, and Luelsdorf-Feldmuehle. 3,274,261.

Hass, Karl, H. Epler, and G. Hauck, to Feldmuehle Aktiengesellschaft. Process of purifying brine used in alkali metal chloride electrolysis. 3,250,692, 5–10–66, Cl. 204—130.

Hass, Karl W., and O. Bleh, to Dynamit Nobel Aktiengesellschaft. Process for the manufacture of potash solutions including pre-carbonation. 3,254,946, 6–7–66, Cl. 23—63.

Hass, Robert H.: *See*—
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Hass, Robert H., to Union Oil Co. of California. Exhaust treatment apparatus and method. 3,253,400, 5–31–66, Cl. 60—30.

Hass, Robert H., to Union Oil Co. Exhaust treatment apparatus and method. 3,257,798, 6–28–66, Cl. 60—30.

Hass, Robert H., C. P. Reeg, and F. C. Riddick, to Union Oil Co. of California. Hydrocracking process. 3,256,178, 6–14–66, Cl. 208—89.

Hass, William H.: *See*—
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Hassan, Morris, to Chrysler Corp. Ball joint seal. 3,262,706, 7–26–66, Cl. 277—29.

Hasse, Karl: *See*—
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Hassel, William F., and H. P. Jenkins, Jr., to United States of America, Navy. Superconducting inductive storage device. 3,267,306, 8–16–66, Cl. 307—149.

Hasselblad, Ambrose A. and W. J. Cycle synchronizing apparatus. 3,260,124, 7–12–66, Cl. 74—63.

Hasselblad, Walter J.: *See*—
Hasselblad, Ambrose A. and W. J. 3,260,124.

Hasselo, William C.: *See*—
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Fritzsche, Hans, Hasserodt, Van Olmen, and Korte. 3,280,195.

Hasserodt, Ulrich, K. H. G. Pilgram, and F. W. A. G. K. Korte, to Shell Oil Co. Lubricating compositions and additives therefor. 3,247,113, 4–19–66. Cl. 252—49.8.

Hassler, Francis J.; ½ to R. H. Bouligny, Inc., and ½ to Powell Mfg. Corp. Apparatus for bulk curing tobacco. 3,251,620, 5–17–66, Cl. 294—5.5.

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Kraiman, Eugene, Hasson, and Sukman. 3,265,734.

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Hastings Mfg. Co.: *See*—
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Hasty, Turner E., to Texas Instruments Inc. Apparatus for detecting angular deviations. 3,227,944, 1–4–66, Cl. 324—5.

Hasty, Turner E., and H. D. Toombs, to Texas Instruments Inc. Nondestructive readout of thin film memory. 3,286,241, 11–15–66, Cl. 340—174.

Hasund, John, to Thomas A. Short Co. Universal self-centering flange facing device. 3,273,432, 9–20–66, Cl. 82—4.

Haszeldine, Robert N., R. E. Banks, and H. Sutcliffe, to National Research Development Corp. Solid copolymers of perfluoronitrosoalkane and R—CH=CH₂. 3,231,555, 1–25–66, Cl. 260—92.1.

Haszeldine, Robert N., R. E. Banks, and A. E. Ginsberg, to Pennsalt Chemicals Corp. Fluorinated compounds and method for preparation. 3,232,946, 2–1–66, Cl. 260—290.

Haszeldine, Robert N., A. R. Parkinson, and J. M. Birchall. Preparation of fluorinated aryl halides. 3,232,947, 2–1–66, Cl. 260—290.

Haszeldine, Robert N., and W. I. Bevan, to National Research Development Corp. Process for the preparation of carbene adducts. 3,233,000, 2–1–66, Cl. 260—648.

Haszeldine, Robert N., and R. Fields. Poly(perfluoroalkyl) methylene and process for its manufacture. 3,234,149, 2–8–66, Cl. 260—2.

Haszeldine, Robert N., R. E. Banks, and W. M. Cheng, to Pennsalt Chemicals Corp. Method for preparing perfluoro (N-methyl pyrrolidine). 3,235,561, 2–15–66, Cl. 260—313.

Haszeldine, Robert N., A. R. Parkinson, and J. M. Birchall. Fluorinated phenyl azides. 3,238,230, 3–1–66, Cl. 260—349.

Haszeldine, Robert N., and J. M. Birchall. Production of hexafluorobenzene. 3,251,890, 5–17–66, Cl. 260—650.

Haszeldine, Robert N., and J. M. Birchall, to Pennsalt Chemicals Corp. Perfluoroaromatic compounds. 3,269,928, 8–30–66, Cl. 204—158.

Haszeldine, Robert N., and J. M. Birchall, to Pennsalt Chemicals Corp. Process for the production of hydrofluoroaromatic compounds. 3,270,070, 8–30–66, Cl. 260—650.

Haszeldine, Robert N., A. R. Parkinson, and J. M. Birchall. Polyfluorinated organic compounds. 3,293,305, 12–20–66, Cl. 260—612.

Hata, Hiroshi: *See*—
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Hatano, Itaru, and K. Senuma, to Kanegafuchi Chemical Industry Co. Ltd. Method of manufacturing expandable synthetic resins. 3,265,642, 8–9–66. Cl. 260—2.5.

Hatano, Itaru, K. Senuma, T. Kasamatsu, and M. Nishino, to Kanegafuchi Chemical Industry Co., Ltd. Cellular polystyrene and method of manufacturing the same. 3,265,643, 8–9–66, Cl. 260—2.5.

Hatashita, Kimio, to Rocker Solenoid Co. Solenoid mechanism having two position latching means. 3,235,777, 2–15–66, Cl. 317—187.

Hatazaki, Yasuzo, to Matsushita Electric Industrial Co., Ltd. Electric stapler. 3,278,101, 10–11–66, Cl. 227—7.

Hatch, Allan J., to Titanium Metals Corp. of America. Titanium alloy. 3,258,335, 6–28–66, Cl. 75—175.5.

Hatch, Donald, and P. G. Mellor, to Ferodo Ltd. Manufacture of friction discs. 3,290,423, 12–6–66, Cl. 264—294.

Hatch, Edmond K., to The Osborn Mfg. Co. Mold and core blowing machine and process. 3,253,304, 5–31–66, Cl. 22—10.

Hatch, Edmond K., and L. F. Miller, to The Osborn Mfg. Co. Molding machine with universal squeeze board. 3,234,601, 2-15-66, Cl. 22—25.
Hatch, Edmond K., and L. F. Miller, to The Osborn Mfg. Co. Squeeze molding machine. 3,280,433, 10-25-66, Cl. 22—42.
Hatch, George B., to Calgon Corp. Phosphate glass composition. 3,284,368, 11-8-66, Cl. 252—389.
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Hatch, Melvin J., to The Dow Chemical Co. Method for makin exchange resins from vinylbenzyl trialkylammonium anion exchange resins. 3,277,024, 10-4-66, Cl. 260—2.1.
Hatch, Melvin J., to The Dow Chemical Co. Polyol ether resins and utility. 3,280,046, 10-18-66, Cl. 260—2.1.
Hatch, Melvin J., and G. R. Geyer, to The Dow Chemical Co. Preparation of water-soluble arylmethylene sulfonium polymers. 3,287,306, 11-22-66, Cl. 260—29.6.
Hatch, Richard W., Jr., to The Foxboro Co. Aerifform fluid information transfer device. 3,237,857, 3-1-66, Cl. 235—201.
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Hatch, Richard W., Jr., to The Foxboro Co. Fluid switch. 3,238,961, 3-8-66, Cl. 137—81.5.
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Hatcher, Cecil W., to Concut, Inc. Machine for cutting grooves of constant depth in pavement. 3,269,775, 8-30-66, Cl. 299—39.
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Hatschek, Rudolf A., to H. List. Piezoelement, in particular for piezoelectric force measuring instruments. 3,281,613, 10-25-66, Cl. 310—9.8.
Hattan, Mark, ¼ to W. P. Green. Bicycle drive. 3,259,398, 7-5-66, Cl. 280—236.
Hattan, Mark, 16% to W. P. Green. Self-locking nut. 3,272,250, 9-13-66, Cl. 151—21.
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Hattendorf, Edwin R., to Collins Radio Co. Programmed angle of attack control system for aircraft. 3,241,792, 3-22-66, Cl. 244—77.
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Hauptschein, Murray, and M. Braid, to Pennsalt Chemicals Corp. Halogenated alkyl chlorosulfates and fluorosulfates. 3,255,229, 6-7-66, Cl. 260—456.
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Hautau, Llewellyn A., C. F., and R. A. Impact press. 3,241,-351, 3–22–66, Cl. 72—429.

Hautau, Robert A.: *See*—
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Haven, Alfred C., Jr., to E. I. du Pont de Nemours and Co. Polymers of branched chain mono-olefinic hydrocarbons. 3,257,367, 6–21–66, Cl. 260—93.7.

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Havlik, Anton J., to Aerojet-General Corp. Oxidation of nitroso compounds to nitro compounds with ozone. 3,267,-158, 8–16–66, Cl. 260—644.

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Hawkins, Edwin G. E., to The Distillers Co. Ltd. Chlorination process. 3,285,979, 11–15–66, Cl. 260—654.

Hawkins, Frank, to Phillips Petroleum Co. Feeder device. 3,245,590, 4–12–66, Cl. 222—368.

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Hawkins, Havilah S. Traveling saw. 3,254,685, 6–7–66, Cl. 143—17.

Hawkins, Jack S., to Jennings Radio Mfg. Corp. Hermetically sealed relay having high and low voltage contact assemblies in a common chamber. 3,275,775, 9–27–66, Cl. 200—144.

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Hay, Allan S., to General Electric Co. Substituted polyphenylene ethers. 3,262,892, 7–26–66, Cl. 260—2.2.

Hay, Allan S., to General Electric Co. Substituted polyphenylene ethers. 3,262,911, 7–26–66, Cl. 260—47.

Hay, Allan S., to General Electric Co. Process for preparing aryl ethanes. 3,262,982, 7–26–66, Cl. 260—668.

Hay, Allan S., to General Electric Co. Oxidative coupling of organic dithiols. 3,294,760, 12–27–66, Cl. 260—79.

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Hay, Bernard F., to Dale Electronics, Inc. Electrical resistor having a core element with high heat dissipating properties. 3,295,090, 12–27–66, Cl. 338—302.

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Hay, Jessie E., to Edinburgh Pharmaceutical Industries Ltd. Quaternary organic salts of ω-dialkylamino-2,6-dimethylacetanilides. 3,268,577, 8–23–66, Cl. 260—501.

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Hay, Russell G., S. M. Hazen, and C. M. Selwitz, to Gulf Research & Development Co. Polyalpha olefin polish composition. 3,255,137, 6–7–66, Cl. 260—28.5.

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Hayami, Ryozo, H. Tanaka, and T. Ogura, to Agency of Industrial Science and Technology. Process for manufacturing ceramics-like products from glass by microscopic crystallization. 3,238,085, 3–1–66, Cl. 161—1.

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Hayashi, Teruo, and H. Watanabe, to Nippon Electric Co. Ltd. Method of producing tunnel diodes by double alloying. 3,276,925, 10–4–66, Cl. 148—177.

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Hayden, James F., and G. W. Offensend, to Eastman Kodak Co. Photographic copying apparatus. 3,253,503, 5–31–66, Cl. 88—24.

Hayden, James F., and G. W. Offensend, to Eastman Kodak Co. Photographic copying apparatus. 3,286,587, 11–22–66, Cl. 88—24.

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Haydock, Raymond S., ½ to R. Haydock, Jr., and ½ to S. L. Haydock. Patio tray assembly. 3,242,887, 3–29–66, Cl. 108—159.

Haydock, Raymond S., ½ each to R. Haydock, Jr., and S. L. Haydock. TV snack table. 3,265,019, 8–9–66, Cl. 108—119.

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Haydon, Arthur W. Resettable clock or the like. 3,233,400, 2–8–66, Cl. 58—34.

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Haydon, Arthur W., to Tri-Tech, Inc. Method for fabricating electrical circuit components. 3,264,152, 8–2–66, Cl. 156—3.

Haydon, Arthur W., to Tri-Tech, Inc. Time totalizer system for telephone circuits and the like. 3,288,934, 11–29–66, Cl. 179—8.

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Haydon, Arthur W., and W. D. Riggs, to Tri-Tech, Inc. Counter mechanism, particularly for time totalizing systems and the like. 3,255,962, 6–14–66, Cl. 235—91.

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Haydu, John L., to Allen-Bradley Co. Modular electrical contact assembly. 3,238,341, 3–1–66, Cl. 200—166.

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Haydu, John L., L. E. Lawrence, and D. V. Zunft, to Allen-Bradley Co. Time delay device. 3,249,716, 5–3–66, Cl. 200—97.

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Hayes, James R., and A. H. Neal, to Esso Research and Engineering Co. Selective dehydration of secondary alcohol over 5-A sieve. 3,271,464, 9–6–66, Cl. 260—643.

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Hayes, Norman J. Animal tags. 3,260,007, 7–12–66, Cl. 40—301.

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Heaton-Armstrong, Louis J., to International Standard Electric Corp. Automatic electrical control system having plural comparators and automatic disabling of coarse comparator. 3,277,378, 10–4–66, Cl. 323—187.
Heaton, Peter, to National Research Development Corp. Digital speech transfer system including, for example, a synchronizing arrangement for time division multiplex signalling system of same nominal frequency. 3,270,136, 8–30–66, Cl. 179—15.
Heaton, Roger G., to J. N. Binns. Heavy duty automatic braking means. 3,285,109, 11–15–66, Cl. 82—28.
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Hebard, Hugh C., to Aladdin Industries Ltd. Incandescent mantle fittings. 3,240,036, 3–15–66, Cl. 67—38.
Hebard, Hugh C., to Aladdin Industries Ltd. Liquid fuel burner font with automatic feed cut-off. 3,279,222, 10–18–66, Cl. 67—81.
Hebb, James W., and A. Iwata, to Ampex Corp. Transport for an endless tape coil. 3,235,195, 2–15–66, Cl. 242—55.19.
Hebb, Malcolm H., to General Electric Co. Vacuum devices having arc electrodes free of adsorbed gas and gas-forming constituents. 3,234,351, 2–8–66, Cl. 200—.144.
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Hebberling, Friedrich. Apparatus for forming reinforced sheet material. 3,272,679, 9–13–66, Cl. 156—440.
Hebel, Martin, to Grundig Elektro-Mechanische Versuchsanstalt. Typewriter having two sets of typelevers and continuously moving carriage. 3,232,403, 2–1–66, Cl. 197—19.
Hebenstreit, Lester V., to Specialties Development Corp. Apparatus for generating gaseous mixtures. 3,232,481, 2–1–66, Cl. 222—3.
Hebenstreit, Lester V., to Specialties Development Corp. Temperature compensated pressure indicator. 3,269,186, 8–30–66, Cl. 73—393.
Heberlein & Co. AG.: *See*—
Heberlein, Georg, and Munzel. 3,252,750.
Heberlein, Georg, and Munzel. 3,254,940.
Krassig, Hans, and Brielmaier. 3,254,941.
Heberlein, Georg, and F. Munzel, to Heberlein & Co., AG. Cellulosic textile finishing. 3,252,750, 5–24–66, Cl. 8—116.
Heberlein, Georg, and F. Munzel, to Heberlein & Co. AG. Cellulosic textile finishing process and product. 3,254,940, 6–7–66, Cl. 8—116.3.
Heberlein, George J. Apparatus for controlled burning of liquefied petroleum gas. 3,228,447, 1–11–66, Cl. 158—28.
Heberlein Patent Corp.: *See*—
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Kunzle, August, and Horvath. 3,261,116.
Kunzle, August, and Horvath. 3,261,156.
Kunzle, August, and Roth. 3,267,657.
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Hebert, Julien. Dispensing container for sheet wrapping material. 3,285,483, 11–15–66, Cl. 225—48.
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Hebner, Philip G., and R. R. Reid, to The Chemithon Corp. Sealing means. 3,279,358, 10–18–66, Cl. 100—90.
Hechelhammer, Wilhelm, and H. Streib, to Farbenfabriken Bayer Aktiengesellschaft. Method of obtaining a matte surface on polycarbonate. 3,252,844, 5–24–66, Cl. 156—2.
Hechenbleikner, Ingenlun, to Carlisle Chemical Works, Inc. Pesticidal application of trihydro-carbyltin salts of neo-alkanoic acids as fungicides, bactericides and nematocides. 3,288,669, 11–29–66, Cl. 167—22.
Hechenbleikner, Ingenuin, and K. R. Molt, to Carlisle Chemical Works, Inc. Acetal and ketal phosphites. 3,257,480, 6–21–66, Cl. 260—937.
Hechenbleikner, Ingenuin, O. A. Homberg, and E. H. Miller, to Carlisle Chemical Works, Inc. Cyclic saturated thio ethers. 3,277,181, 10–4–66, Cl. 260—609.
Hechenbleikner, Ingenuin, and F. C. Lanoue, to Hooker Chemical Corp. Reaction products of pentaerythritol and phosphites as vinyl chloride stabilizer. 3,281,381, 10–25–66, Cl. 260—23.
Hechenbleikner, Ingenuin, F. C. Lanoue, C. W. Pause, and E. Bianco, to Hooker Chemical Corp. Cyclic phosphites and phosphates. 3,293,327, 12–20–66, Cl. 260—936.
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McLain, Charles D., and Hechinger. 3,234,014.
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Hecht, Otto F. and E. F., and Chiddix. 3,294,849.
Hecht, Frank. Water box lock. 3,227,183, 1–4–66, Cl. 138—89.
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Burns, Robert C., Crawfis, and Hecht. 3,230,382.
Hecht, James L., to E. I. du Pont de Nemours and Co. Process for preparing polyvinyl fluoride. 3,265,678, 8–9–66, Cl. 260—92.1.
Hecht, Myer H. Dielectric fusing of plastic films. 3,291,671, 12–13–66, Cl. 156—273.
Hecht, Otto F., deceased, by E. F. Hecht, and M. E. Chiddix, to General Aniline & Film Corp. Production of alkynols and alkynediols using continuous phase silica gel carrier impregnated with 15 to 20% copper and 2 to 9% bismuth. 3,294,849, 12–27–66, Cl. 260—635.
Hechtle, Emil, to Rallant Pen Corp. Ball-point pen mechanism. 3,288,115, 11–29–66, Cl. 120—42.03.
Hechtle, Emil, to Radiant Pen Corp. Multi-color pen. 3,294,068, 12–27–66, Cl. 120—42.13.
Hechtman, Martin, and E. Herbst, ¼ to J. Mandell. Expandable carton. 3,251,532, 5–17–66, Cl. 229—38.
Heck, Dennis J. and W. J. Combined boat trailer and adjustable length dock. 3,229,833, 1–18–66, Cl. 214—84.
Heck, Edward E., to Republic Molding Corp. Method of and means for molding plastic parts. 3,271,501, 9–6–66, Cl. 264—319.
Heck, Elmer H., and D. L. Dosh, to D & H Devices. Combination dimmer switch and headlight flashing apparatus. 3,265,849, 8–9–66, Cl. 200—172.
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Heck, Richard F., to Hercules Powder Co. Hydrogenation process. 3,270,087, 8–30–66, Cl. 260—683.9.
Heck, Richard F., to Hercules Inc. Preparation of (1(2,4)-(buteno-4-lactonyl) cobalt tricarbonyl compounds. 3,293,-265, 12–20–66, Cl. 260—343.6.
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Heck, Walter J.: *See*—
Heck, Dennis J. and W. J. 3,229,833.
Heckart, Robert D., to Phillips Petroleum Co. Separation process control method. 3,239,457, 3–8–66, Cl. 208—341.
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Hecker, Alfred, and G. Becker, to Anker-Werke Aktiengesellschaft. Trading-stamp dispensing apparatus. 3,289,929, 12–6–66, Cl. 235—7.
Hecker, Arthur C., O. S. Kauder, and N. L. Perry, to Argus Chemical Corp. Stabilization of polypropylene against discoloration, embrittlement and reduction in melt viscosity. 3,244,650, 4–5–66, Cl. 260—23.
Hecker, Arthur C., O. S. Kauder, and N. L. Perry, to Argus Chemical Corp. Stabilization of polypropylene with mixtures comprising organic-phosphite-phenol transesterification products and esters of thiodipropionic acid. 3,255,-136, 6–7–66, Cl. 260—23.
Hecker, Arthur C., O. S. Kauder, and N. L. Perry, to Argus Chemical Corp. Stabilization of polypropylene against discoloration. 3,255,151, 6–7–66, Cl. 260—45.9.
Hecker, Arthur C., and O. S. Kauder, to Argus Chemical Corp. Polyolefins stabilized with a nickel glyoxime. 3,261,790, 7–19–66, Cl. 260—23.
Hecker, Arthur C., O. S. Kauder, and N. L. Perry, to Argus Chemical Corp. Polyolefins stabilized with a glyoxime. 3,261,791, 7–19–66, Cl. 260—23.
Hecker, Arthur C., and S. Cohen, to Argus Chemical Corp. Polyvinyl chloride stabilized with mixtures comprising polyols, phenols, and salts of monocarboxylic acids. 3,285,-868, 11–15–66, Cl. 260—23.

Hecker, Erich, to Schering Aktiengesellschaft. 3-azo-estrane-compounds. 3,282,914, 11-1-66, Cl. 260—192.
Hecker, Hanns E. Package for columnar articles. 3,270,877, 9-6-66, Cl. 206—72.
Hecker, Kenneth C., to The Goodyear Tire & Rubber Co. Benzene-soluble and benzene-insoluble cis-1,4 polyisoprene. 3,234,166, 2-8-66, Cl. 260—29.7.
Heckethorn, John E., to C. M. L. L. Bourcier de Carbon. Piston rod seal for shock absorbers. 3,227,497, 1-4-66, Cl. 308—3.5.
Heckl, Manfred A., and G. Maidanik, to Bolt Beranek and Newman, Inc. Method of and apparatus for measuring pressure and density. 3,233,461, 2-8-66, Cl. 73—388.
Heckle, William A., to Monsanto Co. Preparation of acrylamide. 3,257,454, 6-21-66, Cl. 260—561.
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Bergmeister, Eduard, and Heckmaier. 3,250,756.
Heckman, Earl H., to United States of America, Navy. Crowbar trip and trip indicator circuit. 3,277,460, 10-4-66, Cl. 340—253.
Heckman, Earl H., and M. L. Jones, to United States of America, Navy. Solid state and hybrid modulators. 3,274,397, 9-20-66, Cl. 307—88.5.
Heckman, Russell H.: *See*—
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Hector, Nils F., and K.-J. Astrom, to Svenska Aktiebolaget Philips. Device for generating artificial moment of inertia in a rotatably arranged system. 3,277,727, 10-11-66, Cl. 74—5.6.
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Hedborg, Lennart, to Aktiebolaget Siefvert & Fornander. Method and apparatus for arranging blanks into separate stacks. 3,263,993, 8-2-66, Cl. 271—64.
Hedeen, Nils E., to Bucyrus-Erie Co. Boom comprised of sections of differing cross section having aligned elastic centers. 3,249,238, 5-3-66, Cl. 212—144.
Hedegaard, Kristen. Driving arrangements. 3,253,562, 5-31-66, Cl. 112—219.
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Hedenburg, John F., and C. S. Tempalski, to Gulf Research & Development Co. Grease composition. 3,269,944, 8-30-66, Cl. 252—28.
Hedenburg, John F., and C. S. Tempalski, to Gulf Research & Development Co. Grease composition. 3,269,945, 8-30-66, Cl. 252—28.
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Hediger, Edwin A., to The Gleason Works. Gear chamfering machine. 3,267,811, 8-23-66, Cl. 90—1.4.
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Hedstrom, Gustav V., to American Motors Corp. Drive axle assembly. 3,238,812, 3-8-66, Cl. 74—607.
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Winstead, Thomas W. 3,235,638.
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Heemeyer, Wilhelm, to Klockner-Werke AG. Steel plant layout. 3,257,105, 6-21-66, Cl. 266—13.
Heemeyer, Wilhelm, to Klockner-Werke AG. Steel plant. 3,271,020, 9-6-66, Cl. 266—13.
Heenan, Sidney A., and J. A. Biela, to Elastic Stop Nut Corp. of America. Warning light casing construction. 3,227,869, 1-4-66, Cl. 240—11.2.
Heeps, Brian H. Method and apparatus for detecting and measuring minute quantities of water present in liquid hydrocarbon fuels. 3,264,557, 8-2-66, Cl. 324—65.
Heeps, Brian H. Movable electrode apparatus for detecting the presence of micro-particles of liquid suspended in a fluid. 3,264,558, 8-2-66, Cl. 324—65.
Heer, Erhard, to Alfred Paul K.G. Slicing machine having adjustable article support means. 3,276,497, 10-4-66, Cl. 146—105.
Heer, Walter, to Escher Wyss Aktiengesellschaft. Lathe tailstock. 3,292,467, 12-20-66, Cl. 82—31.
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Haack, Erich, Heerdt, and Schmidt. 3,232,981.
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Hees, Walter: *See*—
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Hees, Walter, to Farbenfabriken Bayer Aktiengesellschaft. Polyester dyeing with a dye solution containing polyalkylene oxide ether of phenols and a fatty acid ester of polyalkylene oxides. 3,236,583, 2-22-66, Cl. 8—55.
Hees, Walter, R. Fingado, E.-R. Fritze, and H. Pantke, to Farbenfabriken Bayer Aktiengesellschaft. Process for improving the fastness properties of dyeings. 3,290,111, 12-6-66, Cl. 8—74.
Heese, William E.: *See*—
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Hefa G.m.b.H.: *See*—
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Heffelfinger, Carl J., to E. I. du Pont de Nemours and Co. Process for improving gauge of organic, thermoplastic, crystallizable polymeric film by stretching during heat treating. 3,257,489, 6-21-66, Cl. 264—289.
Heffelfinger, Robert D., J. G. Hagerborg, D. S. Bartlett, and W. S. Thompson, to FMC Corp. Method of and machine for forming, filling and closing containers. 3,248,841, 5-3-66, Cl. 53—29.
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Heffernan, James C., to Sylvania Electric Products Inc. Electromagnet inductor and support therefor. 3,227,982, 1-4-66, Cl. 336—210.
Heffner, George R., to Pullman Inc. Process of insulating a wall structure. 3,229,441, 1-18-66, Cl. 52—743.
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Hefler, Thomas J. and P. R. and W. C. Meyer, to Ingersoll-Rand Co. Guide vane mechanism for centrifugal fluid-flow machines. 3,243,159, 3-29-66, Cl. 253—122.
Hefley, Phillip R.: *See*—
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Hefner, Earl E.: *See*—
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Hefner, Lawrence C. 3,274,922.
Heft, Eldon B., to General Electric Co. Electrical protective circuit. 3,238,418, 3-1-66, Cl. 317—33.
Heft, Eldon B., to General Electric Co. Electric switch with novel arc cooling means. 3,243,559, 3-29-66, Cl. 200—144.
Heft, Eldon B., and R. L. Hurtle, to General Electric Co. Electrical protective circuit. 3,238,419, 3-1-66, Cl. 317—33.
Hefter, Murray, and F. J. Scire, to Maxson Electronics Corp. Direction finding and distance measuring system. 3,229,-283, 1-11-66, Cl. 343—5.
Hefter, Murray, and J. Blass, to United States of America, Army. Thru-channel monopulse radar directional control system. 3,262,113, 7-19-66, Cl. 343—16.
Hegarty, James M., and D. S. Lord, to Rutherford Electronics Co. Frequency synthesizer. 3,293,561, 12-20-66, Cl. 331—38.
Hege, Hermann. Atomizing method and apparatus. 3,250,-473, 5-10-66, Cl. 239—7.
Hegedus, Steven E. Orthodontic appliance. 3,237,305, 3-1-66, Cl. 32—14.
Hegeman, Bernard L., to Fairchild Camera and Instrument Corp. Electrical waveform display system. 3,277,372, 10-4-66, Cl. 324—121.
Hegemann, Josef, and W. Scholermann, to Farbenfabriken Bayer Aktiengesellschaft. Process for the treatment of cellulose textile materials with hardenable resin precondensation products and brightening agents. 3,285,770, 11-15-66, Cl. 117—33.5.
Hegenbart, Horst. Hydraulic teletransmission system, comprising transmitter and receiver. 3,285,061, 11-15-66, Cl. 73—141.
Heggen, Henry R., to The Bendix Corp. System for driving a stepping motor at varying speeds. 3,250,977, 5-10-66, Cl. 313—254.
Hegyi, Imre J., to Radio Corp. of America. Monoclinic zinc phosphide preparation. 3,230,044, 1-18-66, Cl. 23—204.
Hehl, Karl, to Arburg Feingeratefabrik oHG., Hehl & Sohne. Temperature regulating system. 3,227,859, 1-4-66, Cl. 219—499.
Hehl, Karl, to Arburg Maschinenfabrik Hehl & Sohne. Injection molding device. 3,259,356, 7-5-66, Cl. 249—161.
Hei, Jacob D., to Minnesota Mining and Mfg. Co. Process of rendering substrates catalytic to electroless cobalt deposition and article produced. 3,269,854, 8-30-66, Cl. 117—47.
Heibeck, Harry L., C. G. Wilhelm, and W. M. Oleson, to United States of America, Navy. Digital storage system. 3,229,258, 1-11-66, Cl. 340—172.5.
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Heiberger, Charles A., G. Nowlin, and M. H. Reich, to FMC Corp. Compositions comprising epoxidized polybutadiene, polycarboxylic anhydride, polyhydric alcohol and a vinyl aromatic monomer. 3,247,284, 4-19-66, Cl. 260—836.
Heiberger, Charles A., and D. S. Dixler, to Cumberland Chemical Corp. Films made from highly hydrolyzed polyvinyl alcohol. 3,274,020, 9-20-66, Cl 117—68.
Heiberger, Francis E., to Danly Machine Specialties, Inc. Control for power press. 3,227,255, 1-4-66, Cl. 192—142.
Heiberger, Francis E., to Danly Machine Specialties, Inc. Static limit switch for power press or the like. 3,227,897, 1-4-66, Cl. 307—116.
Heiberger, Francis E., to Danly Machine Specialties, Inc. Control system for power press. 3,227,898, 1-4-66, Cl. 307—149.
Heiberger, Francis E., to Danly Machine Specialties, Inc. System for controlling the operating period of a responsive device during each cycle of a press or the like. 3,292,004, 12-13-66, Cl. 307—88.5.
Heid, Christian: *See*—
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Heid, Christian, and K. Holoubek, to Cassella Farbwerke Mainkur Aktiengesellschaft. Process for dyeing textile materials with sulfur dyestuffs and reactive dyestuffs. 3,294,475, 12-27-66, Cl. 8—25.
Heid, James M.: *See*—
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Heid, Roland, to Fichtel & Sachs A.G. Sheet metal clutch disc and hub. 3,256,967, 6-21-66, Cl. 192—107.
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Heidenhain, Johannes, to Firma Wenczler & Heidenhain. Reading device for position-measuring instruments. 3,287,-810, 11-29-66, Cl. 33—125.
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Heidorn, John H., to General Motors Corp. Refrigerating flow control means. 3,252,294, 5-24-66, Cl. 62—207.
Heidorn, John H., to General Motors Corp. Refrigerating compressor with integral expansion valve. 3,252,296, 5-24-66, Cl. 62—210.
Heidorn, John H., to General Motors Corp. Compressor. 3,278,110, 10-11-66, Cl. 230—15.
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Heifetz, Myron. Ornamental bow. 3,283,339, 11-8-66, Cl. 2—244.
Heigl, Georg, to Wilhelm Reich, Firma. Outrigger counterbalance for cranes. 3,237,781, 3-1-66, Cl. 212—49.
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Heijmer, Gustaf B. Surface coating compositions comprising plaster of Paris and method of producing the same. 3,256,-223, 6-14-66, Cl. 260—22.
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Heijnis, James W. I., to American Enka Corp. Filter pack for uniform distribution of air. 3,280,542, 10-25-66, Cl. 55—485.
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Heil, Oskar, to Varian Associates. Means for controlling frequency of an electron tube. 3,254,265, 5-31-66, Cl. 315—5.24.
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Heilala, Antti K., to Gotaverken, Aktiebolaget. Combustion furnaces. 3,289,620, 12-6-66, Cl. 110—45.
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Heller, Paul S., to General Motors Corp. Concealed windshield wiper mechanism. 3,290,715, 12–13–66, Cl. 15—250.19.

Hellig, Alfred, and O. Jackle, to Andreas Stihl Maschinenfabrik. Trailer having tilting body adapted for forest use. 3,260,547, 7–12–66, Cl. 298—5.

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Senkewich, Alexander M. 3,290,550.
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Hellman, Raymond B., to Heinemann Electric Co. Terminals and improved handle for circuit breakers. 3,248,511, 4–26–66, Cl. 200—166.

Hellman, Raymond B., and H. H. Bahr, to Heinemann Electric Co. Circuit breaker linkage having a toggle link of variable length. 3,242,286, 3–22–66, Cl. 200—106.

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Helman, Frederic P., to Radio Corp. of America. Integrated insulated-gate field-effect transistor circuit on a single substrate employing substrate-electrode bias. 3,233,123, 2–1–66, Cl. 307—88.5.

Helman, Frederic P., to Radio Corp. of America. Field effect transistor. 3,283,221, 11–1–66, Cl. 317—235.

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Hein, Georg, and E. Tropp, to Joh. Vaillant, K. G. Bunsen burner for gas appliances, more particular for gas water heaters. 3,288,198, 11–29–66, Cl. 158—116.

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Heine, Eckhard K., to Olof Fridlund. High-frequency welding apparatus. 3,274,370, 9–20–66, Cl. 219—10.53.

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Heisley, Fred L. Portable engraving machine. 3,250,008, 5–10–66, Cl. 33—23.

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Heiss, Herbert L., to Mobay Chemical Co. Urethane prepolymer from a mixture of a polyethergiycol and a polyhydric alcohol. 3,268,488, 8–23–66, Cl. 260—77.5.

Heiss, Herbert L., to Mobay Chemical Co. Prepolymer isocyanurate resins. 3,284,413, 11–8–66, Cl. 260—77.5.

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Heissmeier, Walter, to Siemens-Schuckertwerke Aktiengesellschaft. Travel-responsive control devices for regulation of translatory or rotary motion. 3,293,417, 12–20–66, Cl. 235—151.11.

Heissmeier, Walter, and C.-F. Wolf, to Siemens-Schuckertwerke Aktiengesellschaft. Travel-responsive sensing device, particularly for control of fabricating machinery. 3,243,692, 3–29–66, Cl. 323—94.

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Henderson, Billy J., to Sperry Rand Corp. Rotary indexing programmer switch using circuit boards. 3,272,933, 9–13–66, Cl. 200—46.

Henderson, Clifford W., and F. J. Jannett, to Western Electric Co., Inc. Device for tensioning tape and reducing slack. 3,262,651, 7–26–66 Cl. 242—75.5.

Henderson, Courtland M., to Monsanto Co. Thermoelectric unit and process of using to interconvert heat and electrical energy. 3,256,696, 6–21–66, Cl. 62—3.

Henderson, Courtland M., to Monsanto Co. Thermoelectric unit and process of using to interconvert heat and electrical energy. 3,256,697, 6–21–66, Cl. 62—3.

Henderson, Courtland M., to Monsanto Co. Thermoelectricity. 3,256,698, 6–21–66, Cl. 62—3.

Henderson, Courtland M., to Monsanto Co. Thermoelectric unit and process of using to interconvert heat and electrical energy. 3,256,699, 6–21–66, Cl. 62—3.

Henderson, Courtland M., to Monsanto Chemical Co. Thermoelectric unit and process of using to interconvert heat and electrical energy, 3,256,700, 6–21–66, Cl. 62—3.

Henderson, Courtland M., to Monsanto Co. Thermoelectric unit and process of using to interconvert heat and electric energy. 3,256,701, 6–21–66, Cl. 62—3.

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Henderson, Courtland M., and E. R. Beavet, Jr., to Monsanto Co. Two-phase thermoelectric body comprising a silicon-germanium matrix. 3,285,017, 11–15–66, Cl. 62—3.

Henderson, Courtland M., and E. R. Beaver, Jr., to Monsanto Co. Two-phase thermoelectric body comprising a silicon-carbon matrix. 3,285,018, 11–15–66, Cl. 62—3.

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Henderson, David L. Welding helmet. 3,231,896, 2–1–66, Cl. 2—8.

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Henderson, Eulas W., to Phillips Petroleum Co. Method of pyrolyzing, blending and extruding a 1-olefin polymer. 3,230,288, 1–18–66, Cl. 264—176.

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Henderson, Harry M. Floral holder for caskets and the like. 3,265,338, 8–9–66, Cl. 248—27.8.

Henderson, Herbert V., to Anglo-Transvaal Consolidated Investment Co. Ltd. Drives for overhead haulage vehicles. 3,237,572, 3–1–66, Cl. 105—153.

Henderson, Herbert V., to Anglo-Transvaal Consolidated Investment Co. Ltd. Drives for overhead haulage vehicles. 3,257,967, 6–28–66, Cl. 105—30.

Henderson, Herbert V., to Anglo-Transvaal Consolidated Investment Co. Ltd. Drives for overhead haulage vehicles. 3,261,304, 7–19–66, Cl. 105—73.

Henderson, Herbert V., to Anglo-Transvaal Consolidated Investment Co. Ltd. Drives for overhead haulage vehicles. 3,262,400, 7–26–66, Cl. 105—73.

Henderson, Herbert V., to Anglo-Transvaal Consolidated Investment Co. Ltd. Drives for overhead haulage vehicles. 3,263,626, 8–2–66, Cl. 105—73.

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Henderson, Hubert T., to Shell Oil Co. Organic co-antiknock agents. 3,282,662, 11–1–66. Cl. 44—69.

Henderson, James, to Brown Bros. & Co. Ltd. Roll-reducing and stabilizing apparatus for ships. 3,257,983, 6–28–66, Cl. 114—125.

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Henderson, John K. Method for directional drilling a relief well to control an adjacent wild well. 3,282,355, 11–1–66, Cl. 175—61.

Henderson, John K. Method and apparatus for controllably drilling off-vertical holes. 3,285,350, 11–15–66, Cl. 175—57.

Henderson, John R., to Sylvania Electric Products, Inc. Support for electrical elements having separate conductive segments for connecting the elements to support leads. 3,239,596, 3–8–66, Cl. 174—52.

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Henderson, Miles L., to Phillips Petroleum Co. Separation process. 3,285,986, 11–15–66, Cl. 260—674.

Henderson, Paul D., to The Superior Electric Co. Fuse, switch and pilot light unitary device. 3,286,061, 11–15–66, Cl. 200—121.

Henderson, Richard S., J. R. Hunter, and E. N. Manning. Vehicular router having vertical cylindrical tool. 3,248,152, 4–26–66, Cl. 299—41.

Henderson, Robert. Key holder with pivotal, rotatable key hanger in separate key compartments. 3,279,513, 10–18–66, Cl. 150—40.

Henderson, Rolland H., to Leeds and Northrup Co. Positive limit control for motorized drive units. 3,286,148, 11–15–66, Cl. 318—203.

Henderson, Silas M., and J. P. Gentry, to The Regents of the University of California. Prune pitting machine. 3,277,-940, 10–11–66, Cl. 146—17.

Henderson, Stanford A., to Gamco Surgical Mfg. Corp. Device for testing the accuracy of a time delay relay including means for measuring the elapsed times of the relays closed and open cycles. 3,235,794, 2–15–66, Cl. 324—28.

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Marvin, John, and Henderson. 3,230,580.

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Henderson, William A., III. Pulse generator employing plural monostable multivibrators providing variable width output. 3,244,909, 4–5–66, Cl. 307—88.5.

Henderson, William D. Liquid proportioning system. 3,283,-957. 11–8–66 Cl. 222—57.

Henderson, William E., to Union Carbide Corp. Method and apparatus for heat sealing thermoplastic material by radiant energy. 3,247,041, 4–19–66. Cl. 156—272.

Henderson, William S., to Consolidated Packaging Corp. Cross partition. 3,253,763, 5–31–66, Cl. 229—15.

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Hendrickson, Henry G., to Kaiser Aluminum & Chemical Corp. Closure having tear strip opening means. 3,275,184, 9–27–66, Cl. 220—54.

Hendrickson, John J. Chuck for vibratory tool. 3,281,157, 10–25–66, Cl. 279—83.

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Hendrickson, Luther G., to United States Steel Corp. Method and apparatus for controlling spiral concentrators. 3,235,-081, 2–15–66, Cl. 209—459.

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Hendry, James W., to Borg-Warner Corp. Pelletizer with steam ejection of pellets. 3,271,820, 9–13–66, Cl. 18—12.

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Dedinas, Jonas, Henke and Offutt. 3,284,514.

Henke, Alfred M., R. E. Kline, and W. C. Offutt, to Gulf Research & Development Co. Process for producing olefins and aromatics by the catalytic cracking of a naphtha. 3,284,341, 11–8–66, Cl. 208—120.

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Henley, James M., to United States of America, Army. Hydraulic head puller assembly. 3,242,669, 3–29–66, Cl. 60—35.6.
Henley, Lyle B., to The Marquardt Corp. Method and apparatus for conversion of drawings. 3,280,697, 10–25–66, Cl. 88—24.
Henley, Rodney F., to United States of America, Navy. Oiler for rotary drums. 3,229,787, 1–18–66, Cl. 184—19.
Henley, Roger G., to Ace Electronics Associates, Inc. Adjustable brush arm mount for potentiometers. 3,257,634, 6–21–66, Cl. 338–135.
Henley, Virgil E., and M. N. Robertson, to The General Tire & Rubber Co. Butt splicer for wire fabric. 3,231,447, 1–25–66, Cl. 156—502.
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Herold, Robert J., to The General Tire & Rubber Co. Method of making a polyether using a double metal cyanide complex compound. 3,278,459, 10–11–66, Cl. 260—2.

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Herpich, William A., G. W. Palmer, and J. G. Sand, to Hercules Galion Products, Inc. Refuse collecting vehicle. 3,249,243, 5–3–66, Cl. 214—83.3.

Herpich, William A., S. E. Harvey, and G. R. Dempster, deceased (by Trust Co. of Georgia, executor). Containers. 3,266,654, 8–16–66, Cl. 220—1.5.

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Herr, Gerhard, K. Cziptschirsch, and G. Mahler, to Gebr. Happich G.m.b.H. Service knob, particularly for the equipment of automotive vehicles. 3,229,322, 1–18–66, Cl. 16—121.

Herr, Gerhard, and K. Cziptschirsch, to Gebr. Happich G.m.b.H. Sliding roof arrangement. 3,261,133, 7–19–66, Cl. 52—19

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Herrett, Richard A., to Union Carbide Corp. Process for the propagation of microorganisms using a matrix of poly(ethylene oxide). 3,247,078, 4–19–66, Cl. 195—102.

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Herrick, James E. Machine for automatically making meatballs and the like. 3,292,207, 12–20–66, Cl. 17—32.
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Herring, David L., and C. M. Douglas, to United States of America, Navy. Synthesis of substituted phosphonamides and preparation of polymers therefrom. 3,249,560, 5–3–66, Cl. 260—2.
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Herschler, Robert J., to Crown Zellerbach Corp. Process for preparing a biocidal composition comprising halogenated levulinic acid. 3,275,505, 9–27–66, Cl. 167—22.
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Hess, Frederic O., to Selas Corp. of America. Apparatus for forming glass beads. 3,294,511, 12–27–66, Cl. 65—142.
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Hessler, Erwin. Hydraulik G.m.b.H. Axial piston device. 3,292,554, 12–20–66, Cl. 103—173.

Hessler, William D., to International Telephone and Telegraph Corp. Centrifugal pump for handling suspensions containing large particulate matter. 3,229,641, 1–18–66, Cl. 103—103.

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Hester, Jackson B., Jr., to The Upjohn Co. Process for production of 5-(indol-3-yl)-2-pyrrolidinones. 3,291,807, 12–13–66, Cl. 260—326.13.

Hester, Jackson B., Jr., to The Upjohn Co. 2',3',4',9'-tetrahydro-6'-alkoxy spiro-[piperidine-4,1'-[1H]pyrido [3,4-b] indoles]. 3,293,254, 12–20–66, Cl. 260—294.7.

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Hetrick, Robert E. and J. W. Food object holder and drip preventer. 3.283,889, 11–8–66, Cl. 206—56.

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Hetzel, Peter J. G., to Associated Electrical Industries Ltd. Dynamo electric machine with commutation by SCR's or the like. 3,229,179. 1–11–66, Cl. 318—138.

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Heuck, Claus, O. Munz, J. Winter, and F. Schulde, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Polyolefins stabilized with 2,6 ditertiary butylcresol and organic sulfides. 3,258,449, 6–28–66, Cl. 260—45.95.

Heuck, Claus, O. Mauz, J. Winter, and F. Schulde, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Stabilization of polyolefins with sulfides and terpene reaction products of terpenes and phenols. 3,269,980, 8–30–66, Cl. 260—45.95.

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Hickey, Frank D., to FMC Corp. Apparatus for continuously extracting products from solid materials. 3,243,264, 3–29–66, Cl. 23—270.

Hickey, Frank D., H. W. Adams, K. Hirahara, G. R. Anderson, and D. W. Chamberlin, to FMC Corp. Method and apparatus for preparing fruit. 3,246,677, 4–19–66, Cl. 146—231.

Hickey, Frank D., and K. Hirahara, to FMC Corp. Apparatus for processing fat-containing solids. 3,263,592, 8–2–66, Cl. 99—235.

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Hickey, John J., to TRW Inc. High repetition rate pulse generator. 3,268,822, 8–23–66, Cl. 328—67.

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Hickman, Harold G.: *See*—
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Hickman, Jack, to Aerojet-General Corp. Missile transporting and launching pad. 3,228,294, 1–11–66, Cl. 89—1.7.

Hickman, John S., to Inland Steel Products Co. Three-ply temperature-regulating panel. 3,265,121, 8–9–66, Cl. 165—49.

Hickman, Wallace C., to North American Philips Co., Inc. High frequency heating apparatus. 3,242,304, 3–22–66, Cl. 219—10.55.

Hickman, Walter A., to General Hardware Mfg. Co., Inc. Wire stripper and cutter with gear-form wheel element to vary closing positions and to immobilize jaws. 3,283,404, 11–8–66, Cl. 30—91.2.

Hickman, William P. Combination water dam and gravel stop. Re. 26,056, 7–5–66, Cl. 52—94.

Hickner, Richard A., to The Dow Chemical Co. Certain substituted oxazolidinones and pyrrolidinones. 3,228,955, 1–11–66, Cl. 260—307..

Hickner, Richard A., to The Dow Chemical Co. Certain 3,3'-mercuribis-(2-substituted oxazolidinone) compounds. 3,246,003, 4–12–66, Cl. 260—299.

Hickner, Richard A., to The Dow Chemical Co. Certain alkylidene-bis-oxazolidinone compounds. 3,247,218, 4–19–66, Cl. 260—307.

Hickner, Richard A., and D. W. Bolme, to The Dow Chemical Co. Certain 3-polyoxyalkylene-2-oxazolidinones and their preparation. 3,242,187, 3–22–66, Cl. 260—307.

Hickner, Richard A., and W. W. Bakke, to The Dow Chemical Co. Certain aryl-substituted-1,1-ethylene-bis-lactam compounds. 3,260,727, 7–12–66, Cl. 260—307.

Hickner, Richard A., and R. D. Beckrow, to The Dow Chemical Co. Polymers of 3-(2-hydroxyalkyl)oxazolidinone acrylates and methacrylates. 3,268,485, 8–23–66, Cl. 260—77.5.

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Hicks, Alfred C. (deceased) by E. C. Hicks, executor, to Turner Brothers Asbestos Co. Ltd. Method and apparatus for making laminated conveyor belting. 3,230,125, 1–18–66, Cl. 156—229.

Hicks, Bruce C., to E.M.P. Electric Ltd. Spark gap devices. Re. 25,982, 3–22–66, Cl. 313—161.

Hicks, Bruce C., to E.M.P. Electric Ltd. Trip devices for electric fuses. 3,263,048, 7–26–66, Cl. 200—120.

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Hicks, Clive L., and R. T. L. Mowll, to The British Petroleum Co. Ltd. of Britannic House. Separation process. 3,251,766, 5–17–66, Cl. 208—310.

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Hicks, John W., Jr., to Mosaic Fabrications, Inc. Metal and glass fiber structures and electrical devices using same. 3,240,987, 3–15–66, Cl. 315—8.6.

Hicks, John W., Jr., to American Optical Co. Doubly clad light-conducting fibers with the outer cladding being partially light absorbing. 3,253,500, 5–31–66, Cl. 88—1.

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Hicks, John W., Jr., to Mosaic Fabrications, Inc. Method of making metal and glass fiber structures. 3,265,480, 8–9–66, Cl. 65—4.

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Hicks, Walter R., and A. Mendelsohn, to Kirkeby-Natus Corp. Focusing apparatus for a motion picture projector. 3,262,358, 7–26–66, Cl. 88—24.

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Hidding, Walter E. Can gripping carrier handle. 3,278,216, 10–11–66, Cl. 294—33.

Hidding, Walter E. Quick releasable thermometer sheath. 3,282,409, 11–1–66, Cl. 206—16.5.

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Higby, Leonard C., Jr., to International Business Machines Corp. Apparatus for detecting and localizing malfunctions in electronic devices. 3,237,157, 2–22–66, Cl. 340—146.1.

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Higgins, Edward D., to Continental Can Co., Inc. Device to achieve multiple reverse flexing of continuous steel strip. 3,226,965, 1–4–66, Cl. 72—192.

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Higgins, John J., to Esso Research and Engineering Co. Stabilization of polyisobutylene polymers with sulfur and benzotriazoles. 3,239,488, 3–8–66, Cl. 260—45.8.

Higgins, John L., and F. Deuschle, to Roehr Products Co., Inc. Aspirating device. 3,256,885, 6–21–66, Cl. 128—276.

Higgins, Leonard J., H. S. Schwartz, and E. R. Richardson, to Potter Instrument Co., Inc. High speed printing and graph plotting machine. 3,283,702, 11–8–66, Cl. 101—93.

Higgins, Neil S., to American Telephone and Telegraph Co. Telemetering system for reading remotely located utility meters. 3,266,018, 8–9–66, Cl. 340—151.

Higgins, Norman R., to Continental Carbon Co. Apparatus for producing carbon black. 3,256,066, 6–14–66, Cl. 23—259.5.

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Higgins, Robert A., to Socony Mobil Oil Co., Inc. Liquid density measurement system for determination of oil in water. 3,246,145, 4–12–66, Cl. 250—43.5.

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Higgins, William A., to The Lubrizol Corp. Weather-proof surface resistant to checking and alligatoring. 3,247,011, 4–19–66, Cl. 117—92.

Higgins, William A., to The Lubrizol Corp. Coating compositions. 3,249,447, 5–3–66, Cl. 106—14.

Higgins, William A., to The Lubrizol Corp. Treating metal with a composition including a chlorinated lower hydrocarbon and an organic phosphate complex. 3,249,471, 5–3–66, Cl. 148—6.15.

Higgins, William A., to The Lubrizol Corp. Thixotropic aqueous emulsion containing polyisobutylene and beta-pinene polymer. 3,250,735, 5–10–66, Cl. 260—29.6.

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Hignett, Travis P., and J. G. Getsinger, to Tennessee Valley Authority. High analysis ammonium pyrophosphate process and product. 3,264,085, 8–2–66, Cl. 71—34.

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Higonnet, Rene A., and L. M. Moyroud. High speed photorecorder. 3,249,028, 5–3–66, Cl. 95—4.5.

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Hilberg, Elmer C. Oil container for grills. 3,230,573, 1–25–66, Cl. 15—521.5.

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Hilbiber, David F., to Fairchild Camera and Instrument Corp. Temperature-stable differential amplifier. 3,262,064, 7–19–66, Cl. 330—23.

Hilbiber, David F., to Fairchild Camera and Instrument Corp. Reference voltage source. 3,271,660, 9–6–66, Cl. 323—75.

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Hildebrand, Gosta E. H., to Fulcrum Aktiebolag. Fuel element for nuclear reactor. 3,244,599, 4–5–66, Cl. 176—72.

Hildebrand, Helmut, to Hackethal Draht- und Kabel-Werke Aktiengesellschaft. High-frequency transmission line having plural coaxial conductors of different effective length between source and sink. 3,273,080, 9–13–66, Cl. 333—26.

Hildebrand, Helmut, and A. Staschewski, to Hackethal Draht- und Kabel-Werke Aktiengesellschaft. Coaxial high frequency cable and insulating spacer. 3,286,015, 11–15–66, Cl. 174—29.

Hildebrand, Robert. Web drying apparatus. 3,280,476, 10–25–66, Cl. 34—148.

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Hildebrandt, Alvin F., D. D. Elleman, and F. C. Whitmore, to California Institute Research Foundation. Magnetic-flux pum. 3,262,025, 7–19–66, Cl. 317—158.

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Hinderer, Gottlob, to Price-Pfister Brass Mfg. Co. Metal forming process for shaping ends of tubes and the product thereof. 3,266,822, 8–16–66, Cl. 285—110.
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Hindersinn, Raymond R., and S. M. Creighton, to Hooker Chemical Corp. Process of reacting an isocyanate with an active hydrogen compound in the presence of an antimonite catalyst. 3,245,957, 4–12–66, Cl. 260—75.
Hindersinn, Raymond R., and S. M. Creighton, to Hooker Chemical Corp. Reaction of an isocyanate with an active hydrogen compound using an antimony carboxylate catalyst. 3,245,958, 4–12–66, Cl. 260—75.
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Hines, Marion E., to Bell Telephone Laboratories, Inc. Mode control in negative resistance devices. 3,231,831, 1–25–66, Cl. 331—96.

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Hines, Marion E., and A. A. Blaisdell, to Microwave Associates, Inc. Frequency multiplier utilizing two diodes in series opposition across the wide walls of a waveguide. 3,281,647. 10–25–66, Cl. 321—69.

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Hinko, Joseph, to Kaybe Mfg. Co. Quilting machine operating mechanism for feed rollers. 3,263,633, 8–2–66, Cl. 112—118.

Hinko, Joseph, and A. Praemassing, to Do-All Quilting & Embroidery Co., Inc. Multi-needle embroidery machines. 3,238,904, 3–8–66, Cl. 112—118.

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Webb, Reginald F., and Hinton. 3,264,358.

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Hipple, George M., to Robertshaw Controls Co. Switch with pivoted push button and countersunk switch lever. 3,291,930, 12–13–66, Cl. 200—67.

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Hirayama, Chikara, to Westinghouse Electric Corp. Electroluminescent lamp having a moisture resistant vitreous light-transmitting material which includes 4 to 8% LiF. 3,290,535, 12–6–66, Cl. 313—108.

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Hirsch, Arthur, and D. Orphanos. Novel method for the preparation of phthalazines. 3,249,611, 5–3–66, Cl. 260—250.

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Hirsch, Felix, to General Cable Corp. Cable valley filler. 3,263,024, 7–26–66, Cl. 174—116.

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Hirschbeck, Joseph, and F. Lohofer, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the oxidation to carbon dioxide of carbon monoxide in an olefin-containing gas mixture. 3,233,004, 2–1–66, Cl. 260—677.

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Hitchens, Aaron L., H. F. Fountain, V. L. Dawson, and E. D. Lowry, to United States of America, Army. Cal. .50 spotting bullets. 3,289,589, 12–6–66, Cl. 102—60.

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Hitchings, George H., G. B. Elion, and I. Goodman, to Burroughs Wellcome & Co. (U.S.A.) Inc. 6-oxyorganopurines and method of preparing them. 3,238,207, 3–1–66, Cl. 260—252.

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Hitchings, George H., and B. S. Hurlbert, to Burroughs Wellcome & Co. (U.S.A.), Inc. Method of preparing 2,4-diaminocome & Co. (U.S.A.), Inc. Method of preparing 2,4-diamino-6-alkylpyrido(2,3-d)pyrimidines. 3,288,792, 11–29–66, Cl. 260—256.4.

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Hitzelberger, Erwin, to Daimler-Benz Aktiengesellschaft. Ventilation installation for automobiles. 3,255,685, 6–14–66, Cl. 98—2.

Hitzman, Donald O., to Phillips Petroleum Co. Breaking oil-in-water emulsions and removal of solid matter from the oil. 3,245,466, 4–12–66, Cl. 166—7.

Hitzman, Donald O., to Phillips Petroleum Co. Process for producing electricity from underground fuel cell. 3,278,-335, 10–11–66, Cl. 136—85.

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Hnilicka, Milo P., Jr., to National Research Corp. Space vehicle insulation. 3,244,224, 4–5–66, Cl. 165—32.

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Meeker, David A., Heckman, and Fox. 3,267,944.

Hobaugh, John, H. Otto, and V. Padilla, to The Oil Shale Corp. Shaped refractory heat exchange bodies and process for making same. 3,245,812, 4–12–66, Cl. 106—68.

Hobbis, Charles E. W., to United States of America, Navy. Guard band indicator. 3,266,722, 8–16–66, Cl. 235—70.

Hobbs, Anthony E. W.: *See*—
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Hobbs, Marian L., to Rutherford Food Corp. Objective method of testing the pungency and odor of organic substances. 3,252,873, 5–24–66, Cl. 204—1.

Hobbs, Maynard R., to The Gillette Co. Manufacture of razor blades. 3,283,665, 11–8–66, Cl. 90—24.

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Hobby, Harold E., and R. C. Bosserdet, to Simplex Time Recorder Co. Printing telegraph apparatus and attachment therefor. 3,247,319, 4–19–66, Cl. 178—23.

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Nohl, Egon. 3,242,531.

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Hobrough, Gilbert L., and G. A. Wood, to Itek Corp. Support and transport system. 3,267,798, 8–23–66, Cl. 88—24.

Hobson, Carroll D., to Goshen Rubber Co. Inc. Apparatus and method for producing a precision rubber tube. 3,270,-117, 8–30–66, Cl. 264—320.

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Hobson, Charles W., to Nancy Hobson. Bracket and shelf supports. 3,229,648, 1–18–66, Cl. 108—144.

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Zimmerman, Richard F., Hoch, and Wagner. 3,247,016.

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Hodge, Edward B., to Commercial Solvents Corp. Inhibiting the growth of algae in water with amino-substituted higher alkanol containing from about 8 to 18 carbon atoms. 3,247,054, 4–19–66, Cl. 167—22.

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Hodge, Edward B., P. H. Hidy, and H. L. Wehrmeister, to Commercial Solvents Corp. Estrogenic compounds and animal growth promoters. 3,239,342, 3–8–66, Cl. 99—2.

Hodge, Edward B., P. H. Hidy, and H. L. Wehrmeister, to Commercial Solvents Corp. Estrogenic compounds and animal growth promoters. 3,239,343, 3–8–66, Cl. 99—2.

Hodge, Edward B., P. H. Hidy, and H. L. Wehrmeister, to Commercial Solvents Corp. Estrogenic compounds and animal growth promoters. 3,239,344, 3–8–66, Cl. 99—2.

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Hodge, Edward B., and G. J. Lafferty, to Commercial Solvents Corp. Diamine-stabilized adhesive compositions. 3,248,-245, 4–26–66, Cl. 106—125.

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Hodgman, Willis K., Jr., to Hodgman Mfg. Co., Inc. Automatic deluge valve for dry pipe sprinkler system. 3,292,709, 12–20–66, Cl. 169—21.

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Hodkinson, Harold, to Dunlop Rubber Co., Ltd. Adjustment device for disc brakes. 3,294,200, 12–27–66, Cl. 188—73.

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Hoegl, Helmut, to Azoplate Corp. Process for the sensitization of photoconductors. 3,287,114, 11–22–66, Cl. 96—1.

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Hofheins, Seth H. Lid vise. 3,293,957, 12–27–66, Cl. 81—3.3.

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Blickle, Karl, Hoflich, and Hub. 3,268,010.

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Hofling, Erich, to Swiss Aluminium Ltd. Production of metal coils. 3,292,243, 12–20–66, Cl. 29—155.57.

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Hofmann, Albert: *See*—
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Hofmann, Albert, and F. Troxler, to Sandoz Ltd. 1-substituted(+)-lysergol. 3,232,942, 2–1–66, Cl. 260—285.5.

Hofmann, Albert, and F. Troxler, to Sandoz Ltd. (also known as Sandoz A.G.). Cyanoethyl ergolene and ergoline derivatives. 3,232,943, 2–1–66, Cl. 260—285.5.

Hofmann, Albert, A. Frey, and H. Ott. Pyrazines. 3,227,-719, 1–4–66, Cl. 260—268.

Hofmann, Albert, J. Rutschmann, P. Stadler, and F. Troxler, to Sandoz Ltd. Process for lysergic acid hydrazides. 3,239,530, 3–8–66, Cl. 260—285.5.

Hofmann, Albert, and F. Troxler, to Fidelity Union Trust Co., executive trustee under Sandoz Trust. 1-cyanoethyl lysergol. 3,245,996, 4–12–66, Cl. 260—285.5.

Hofmann, Albert, and F. Troxler, to Sandoz Ltd. (a/k/a Sandoz A.G.). N-alkylated D-lysergic acid. 3,249,617, 5–3–66, Cl. 260—285.5.

Hofmann, Albert, and F. Troxler, to Fidelity Union Trust Co., executive trustee. 1-cyanoethyl 9,10 dihydro ergocornine. 3,270,020, 8–30–66, Cl. 260—285.5.

Hofmann, Albert, and F. Troxler, to Sandoz Ltd. New indole derivatives and their acid addition salts. 3,280,-145, 10–18–66, Cl. 260—326.15.

Hofmann, Albert, and P. Stadler, to Sandoz Ltd. (also known as Sandoz A.G.). 2-methyl-2-benzyloxymalonic acid monoalkyl esters. 3,294,835, 12–27–66, Cl. 260—473.

Hofmann, Charles F., and R. N. Sampson, to Westinghouse Electric Corp. Damped magnetic cores. 3,290,635, 12–6–66, Cl. 336—100.

Hofmann, Corris M., to American Cyanamid Co. Tranquilizing compositions and method of inducing a state of tranquility. 3,268,407, 8–23–66, Cl. 167—65.

Hofmann, Corris M., to American Cyanamid Co. 3,4,5-tri (lower) alkoxycinnamamides. 3,275,688, 9–27–66, Cl. 260—559.

Hofmann, Ernst G., to Licentia Patent-Verwaltungs-G.m.b.H. X-ray source comprising plural removable modular units each having an anode target and cathode. 3,267,315, 8–16–66, Cl. 313—56.

Hofmann, Friedrich, and L. Schafer, to United States of America, Atomic Energy Commission. Apparatus for manufacturing shapes of uranium carbide. 3,259,470, 7–5–66, Cl. 23—277.

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Hofmann, Fritz J., to Beteiligungs- und Patentverwaltungsgesellschaft mit beschrankter Haftung. Melting furnace. 3,237,930, 3–1–66, Cl. 266—33.

Hofmann, Fritz J., and A. Alexander, to Beteiligungs- und Patentverwaltungsgesellschaft mit beschrankter Haftung. Converter rotating in a sloping position and tiltable about a cross-axis. 3,251,589, 5–17–66, Cl. 266—36.

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Hofmann, Hans, to Sulzer Brothers Ltd. Piston engine. 3,230,940, 1–25–66, Cl. 123—41.36.

Hofmann, Hans, to Sulzer Brothers Ltd. Internal combustion engine. 3,230,941, 1–25–66, Cl. 123—41.36.

Hofmann, Hans, to Sulzer Brothers Ltd. Reciprocating internal combustion engine. 3,230,942, 1–25–66, Cl. 123—41.36.

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Rowland, Stanley P., Pritchett, and Hofmann. 3,284,511.

Hofmann, Ulrich, to Groz. Theodor & Sohne & Ernst Beckert Nadelfabrik K.G. Spring bearded needle. 3,258,938, 7–5–66, Cl. 66—119.

Hofmann, Victor H., to Consolidated Electrodynamics Corp. Demodulator for FM signals utilizing pulse forming circuitry. 3,244,991, 4–5–66, Cl. 329—128.

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Hofmeier, Hermann, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of thin condenser foils from plastics. 3,244,789, 4–5–66, Cl. 264—337.

Hofmeister, Richard J., and G. P. Whitney, to Motorola, Inc. TV receiver. 3,255,311, 6–7–66, Cl. 178—7.9.

Hofstein, Steven R., to Radio Corp. of America. Logic circuits. 3,250,917, 5–10–66, Cl. 307—88.5.

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Hofstra, Peter C., R. W. McKirdy, and H. J. Engelsher. Drainage apparatus. 3,279,467, 10–18–66, Cl. 128—276.

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Hogan, John P., to Phillips Petroleum Co. Catalyst and process for polymerizing ethylene. 3,281,405, 10–25–66, Cl. 260—94.9.

Hogan, John P., and A. G. Kitchen, to Phillips Petroleum Co. Control of shear response of polyolefins. 3,288,767, 11–29–66, Cl. 260—88.2.

Hogan, Patrick J., and L. Walton, to The Budd Co. Method and means for cold-forming wheel hubs. 3,237,288, 3–1–66, Cl. 29—159.3.

Hogan, Roger B.: *See*—
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Hogan, Walter H., to Arthur D. Little, Inc. Expansion and liquefying apparatus employing the Joule-Thomson effect. 3,257,823, 6–28–66, Cl. 62—467.

Hogan, Walter H., and R. W. Stuart, to Arthur D. Little Inc. Cryogenic refrigeration method and apparatus operating on an expansible fluid. 3,274,786, 9–27–66, Cl. 62—6.

Hogan, William J., to Stapling Machines Co. Apparatus for simultaneous manufacture of wire-bound container mats and end units. 3,266,530, 8–16–66, Cl. 140—74.

Hogan, William J., and S. F. Dancsecs, to Stapling Machines Co. Wire loop bending apparatus. 3,253,621, 5–31–66, Cl. 140—74.

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Hoge, William H., and M. S. Barbour, to Oxford Paper Co. Pressure sensitive record sheet, method of making and composition therefor. 3,247,006, 4–19–66, Cl. 117—36.7.

Hogel, Joseph E., to Honeywell Inc. Fluid pressure control. 3,277,923, 10–11–66, Cl. 137—627.5.

Hogeman, Wylie B., to Monsanto Co. Process for recovery of adipic acid precursors. 3,260,742, 7–12–66, Cl. 260—533.

Hogeman, Wylie B., to Monsanto Co. Process for recovery of adipic acid precursors. 3,260,743, 7–12–66, Cl. 260—533.

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Hogg, Carl D., to The J. B. Knight Co., Inc. Irrigation system. 3,281,080, 10–25–66, Cl. 239—212.

Hogg, David C., to Bell Telephone Laboratories, Inc. Cassegrainian antenna with aperture blocking compensation. 3,231,893, 1–25–66, Cl. 343—781.

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Hogg, Walter R., and K. D. Cooley, to Coulter Electronics, Inc. Variable pressure pump for manometric metering device. 3,289,916, 12–6–66, Cl. 230—21.

Hoggan, Daniel H. Lettering guide device. 3,291,552, 12–13–66, Cl. 350—174.

Hogge, Charles R., Jr., to Radio Corp. of America. Transmit monitor. 3,293,550, 12–20–66, Cl. 325—133.

Hogle, Donald R., G. V. Alm, and C. R. Kellogg, Jr., to United States of America, Atomic Energy Commission. Pressure means for workpiece joinder. 3,257,538, 6–21–66, Cl. 219—9.5.

Hoglund, Carl W., and A. G. Coy, to E. W. Bliss Co. Method of holding deformable objects. 3,293,739, 12–27–66, Cl. 29—471.1.

Hoglund, Nils. Apparatus for checking cams. 3,269,257, 8–30–66, Cl. 88—24.

Hogopian, Jacob J., to International Business Machines Corp. Data handling system. 3,275,995, 9–27–66, Cl. 340—172.5.

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Hoh, Siegfried R., to International Telephone and Telegraph Corp. Thermionic energy converter. 3,248,577, 4–26–66, Cl. 310—4.

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Hohne, Jack C., Jr., to Globe Industries, Inc. Pulse fed D.C. motor speed system. 3,281,635, 10–25–66, Cl. 318—314.

Hohnjec, Zeljko. Shipping tray. 3,265,281, 8–9–66, Cl. 229—2.5.

Hohnstein, George J. Surgical needle. 3,249,104, 5–3–66, Cl. 128—339.

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Hoiness, Merlin J., and W. E. Peterson. Collapsible shelter. 3,266,503, 8–16–66, Cl. 135—4.

Hoiseth, Roland L., and H. E. Nelson, to Sperry Rand Corp. Electronic case shift means. 3,288,261, 11–29–66, Cl. 197—71.

Holave, Harold V., and J. L. Strike, to McGraw-Edison Co. Vacuum-clamping buck. 3,257,047, 6–21–66, Cl. 223—57.

Hojnowski, Edward J. Rotary internal combustion engine. 3,230,938, 1–25–66, Cl. 123—16.

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Hokama, Takeo, to Koppers Co., Inc. Mixed salts of aluminum as ortho-alkylation catalysts. 3,267,154, 8–16–66, Cl. 260—619.

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Miller, Loren N., Holbrook, and Woertz. 3,242,646.
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Holbrook, Robert S. Device for Christmas trees. 3,277,291. 10–4–66, Cl. 240—10.

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Holcombe, Alexander H., and S. R. Koch, to Union Carbide Corp. Apparatus for cryogenic liquid storage containers. 3,272,375, 9–13–66, Cl. 220—15.

Holcombe, Ralph L., 10% to R. B. Coleman, Jr., and N. L. Alderson. Tactile training system. 3,277,587, 10–11–66, Cl. 35—5.

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Holden, Dermot, to American Machine & Foundry Co. Superposed conveyors with rack and pinion driven reciprocating cutter. 3,236,128, 2–22–66, Cl. 83—4.

Holden, Edward F. Automatic fish feeder. 3,260,238, 7–12–66, Cl. 119—5.

Holden, Edward J., to M. S. E. Holdings Ltd. Saturable reactor motor speed control circuit. 3,292,068, 12–13–66, Cl. 318—327.

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Holden, Geoffrey, and R. Milkovich, to Shell Oil Co. Block polymers of monovinyl aromatic hydrocarbons and conjugated dienes. 3,265,765, 8–9–66, Cl. 260—876.

Holden, Grenville R., to Huyck Corp. Apparatus for dewatering of fibrous webs in papermaking and similar machines. 3,284,285, 11–8–66, Cl. 162—297.

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Holden, Kenneth G., and J. F. Kerwin, to Smith, Kline & French Laboratories. 11,19-substituted progesterones. 3,272,799, 9–13–66, Cl. 260—239.55.

Holden, Kenneth G., and J. F. Kerwin, to Smith Kline & French Laboratories. 19-nor-B-nortestosterones. 3,284,505, 11–8–66, Cl. 260—586.

Holden, Milford R. Adjustable heel for shoes. 3,266,177, 8–16–66, Cl. 36—36.

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Holderer, Oscar C., to United States of America, Army. Diffuser positioning device. 3,236,263, 2–22–66, Cl. 138—45.

Holderer, Oscar C., to United States of America, Army. Fluid pressure actuated flow control gate valve. 3,241,807, 3–22–66, Cl. 251—158.

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Holgersson, Sten V., to Bahco Aktiebolaget. Suspension and vibration-damping device for fans. 3,261,543, 7–19–66, Cl. 230—235.

Holik, Melville J., to International Minerals & Chemical Corp. Binder composition, mineral ore pellet and method for its preparation. 3,252,788, 5–24–66, Cl. 75—3.

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Holland, Clarence A. Crate supporting and door operating structure. 3,244,359, 4–5–66, Cl. 232—43.4.

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Holland, John H., to J. H. Holland Co. Universal bituminous paving machine. 3,270,633, 9–6–66, Cl. 94—44.

Holland, Kelley M. Baffleboard ball game apparatus. 3,231,277, 1–25–66, Cl. 273—101.

Holland, Kenneth M., to Hexcel Products Inc. Pre-corrugated honeycomb pack. 3,227,590, 1–4–66, Cl. 161—68.

Holland, Kenneth M. Formable honeycomb. 3,227,600, 1–4–66, Cl. 161—68.

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Holland, Raymond P., Jr. Air train. 3,249,322, 5–3–66, Cl. 244—3.

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Holland, William L., to A. B. Chance Co. Suspension plate assembly for bundle conductor. 3,250,852, 5–10–66, Cl. 174—144.

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Hollander, Milton B., to American Machine & Foundry Co. Friction welding. 3,234,642, 2–15–66, Cl. 29—470.3.

Hollander, Milton B., to American Machine & Foundry Co. Friction welding. 3,234,643, 2–15–66, Cl. 29—470.3.

Hollander, Milton B., to American Machine & Foundry Co. Friction welding. 3,234,644, 2–15–66, Cl. 29—470.3.

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Hollander, Milton B., to American Machine & Foundry Co. Friction welding. 3,269,001, 8–30–66, Cl. 29—470.3.

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Hollander, Milton B., and E. L. Von Rosenberg, to American Machine & Foundry Co. Friction welding. 3,234,646, 2–15–66, Cl. 29—470.3.

Hollander, Milton B., and E. L. Von Rosenberg, to American Machine & Foundry Co. Friction welding. 3,234,647, 2–15–66, Cl. 29—470.3.

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Hollberg, Herbert J., to E. I. du Pont de Nemours and Co. Flash spinning apparatus. 3,277,526, 10–11–66, Cl. 18—8.

Holle, Robert F., to General Electric Co. Fluorescent panel lamp structure. 3,253,175, 5–24–66, Cl. 313—192.

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Holleman, Quanah P., to M. A. Tabet. Rotary switch with replaceable contacts and detent apparatus. 3,236,959, 2–22–66, Cl. 200—11.

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Holley, Danforth, to Holley Plastics Co. Packaging structure. 3,246,746, 4–19–66, Cl. 206—65.

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Holley, Danforth, and D. W. Robertson, to Holley Plastics Co. Method of constructing a multiple article vacuum forming die. 3,253,069, 5–24–66, Cl. 264—90.

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Hollingshead, Ethan A., and N. W. F. Phillips, to Aluminum Laboratories Ltd. Procedure and apparatus for subhalide refining of aluminum. 3,235,376, 2–15–66, Cl. 75—68.

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Hollingsworth, Guilford L., to The Boeing Co. Apparatus for absorption of electromagnetic energy reflected from a dense plasma. 3,295,131, 12–27–66, Cl. 343—18.

Hollingsworth, Herbert M., Jr., S. Mehalko, and E. L. Stene, to United States of America, Navy. Device for preventing wire entanglement. 3,265,023, 8–9–66, Cl. 114—20.

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Hollins, Jesse R. Fuse holder for accommodating wide range of lengths of cartridge-type fuses. 3,243,551, 3–29–66, Cl. 200—119.

Hollins, Jesse R. Quick release buckle. 3,255,502, 6–14–66, Cl. 24—191.

Hollins, Jesse R. Dispenser for pressure sensitive tape. 3,263,805, 8–2–66, Cl. 206—52.

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Hollis, Everett A., to Pratt & Whitney, Inc. Fluid actuated gage for internal measurements. 3,287,811, 11–29–66, Cl. 33—147.

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Hollister, Ezra, deceased; by R. A. Hollister, and S. H. Everitt, executors, to United States of America, Atomic Energy Commission. Broach for curved graphite passages. 3,268,976, 8–30–66, Cl. 29—95.1.

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Schneider, John D. 3,292,626.

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Hollmann, Siegfried, H. Engelstätter, and K. Buresch, to Braun Aktiengesellschaft. Direct current converter arrangement. 3,274,478, 9–20–66, Cl. 321—18.

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Holloway, Robert L., to American Machine & Foundry Co. Brake for go-cart. 3,250,347, 5–10–66, Cl. 188—29.

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Holly, Mildred K.: *See*—
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Hollyday, James H., to Sperry Rand Corp. Air cleaner. 3,293,831, 12–27–66, Cl. 55—290.

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Holm, Per T. Calendar device. 3,275,343, 9–27–66, Cl. 281—17.

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Holm, Roy T., to Shell Oil Co. Epoxy resin compositions and cured products obtained therefrom. 3,245,950, 4–12–66, Cl. 260—47.

Holm, Roy T., to Shell Oil Co. Compositions containing heterocyclic compounds and resinous products prepared therefrom. 3,252,946, 5–24–66, Cl. 260—78.3.

Holm, Roy T., to Shell Oil Co. Polyepoxy ethers and cured resins obtained therefrom. 3,274,126, 9–20–66, Cl. 260—2.

Holm, Roy T., to Shell Oil Co. Process for curing polyepoxides with a polyimine. 3,291,775, 12–13–66, Cl. 260—47.

Holm, Roy T., and P. H. Williams, to Shell Oil Co. Epoxy resin compositions and cured products obtained therefrom. 3,232,901, 2–1–66, Cl. 260—30.4.

Holm, Roy T., L. G. Cannell, and W. De Acetis, to Shell Oil Co. Alkenylacetylene trimerization. 3,277,198, 10–4–66, Cl. 260—673.

Holm, Sune E., and E. A. Eklund, to D. J. Stock AB. Apparatus for supplying quantities of material to a plurality of receptacles. 3,265,100, 8–9–66, Cl. 141—284.

Holm, Torkil O., to Kefalas A/S. 4-amino-1-phenyl-1-[2-(hydroxyalkyl)phenyl]butan-(1)-ols. 3,240,809, 3–15–66, Cl. 260—570.

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Holm, William Z. Automatic milking barn. 3,246,631, 4–19–66, Cl. 119—14.03.

Holman, Howard E., J. R. Brand, and C. F. Cordier, to The Wurlitzer Co. Pedal switching sustain and cancellation circuit for an electronic musical instrument. 3,227,799, 1–4–66, Cl. 84—1.26.

Holman, Jimmie L. Keyboard method, apparatus and system for data transmission. 3,240,427, 3–15–66, Cl. 235—145.

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Holman, John L. M., and J. M. Porter, to The Trane Co. Method of and apparatus for removing parts of a refrigerating system. 3,264,835, 8–9–66, Cl. 62—101.

Holman, Lee B., to State Steel Products, Inc. Motion generator means. 3,273,409, 9–20–66, Cl. 74—86.

Holman, Rudolph G., to W. J. Voit Rubber Corp. Machine for winding a ball. 3,234,362, 2–8–66, Cl. 235—151.

Holman, Rudolph G., to W. J. Voit Rubber Corp. Method of automatically applying a variable thickness elastomeric layer on pneumatic tire casings. 3,251,722, 5–17–66, Cl. 156—130.

Holman, Rudolph G., to W. J. Voit Rubber Corp. Ribbon winding machine with indexable hubs. 3,264,162, 8–2–66, Cl. 156—397.

Holman, Rudolph G., to W. J. Voit Rubber Corp. Hollow ball with reinforcing windings. 3,279,796, 10–18–66, Cl. 273—65.

Holman, Willard J.: *See*—
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Holman, Willis E.: *See*—
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Holman, Willis E., and J. T. Patton, to Esso Production Research Co. Removal of water from boreholes. 3,251,417, 5–17–66. Cl. 166—45.

Holmberg, Gote E. Y., to G.E.Y.-Patenter Aktiebolag. Means for fastening a strap. 3,237,263, 3–1–66, Cl. 24—196.

Holmberg, Gote E. Y., to G.E.Y. Patenter AB. Devices for the fastening of straps. 3,267,543, 8–23–66, Cl. 24—196.

Holmberg, Karl G.: *See*—
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Holmberg, Roy H.: *See*—
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Horwitt, Laurence G., to Casco Products Corp. Dispensing apparatus for fire extinguishers. 3,272,390, 9–13–66, Cl. 222—153.
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Hoyt, Charles W., to Wolverine Equipment Co. Treatment and conveyance of solid particulate material by a fluid current. 3,229,377, 1–18–66, Cl. 34—10.

Hoyt, Deryl R., to Clark Equipment Co. Table. 3,242,882, 3–29–66, Cl. 108—48.

Hoyt, Deryl R., to Clark Equipment Co. Hose mounting. 3,289,869, 12–6–66, Cl. 214—670.

Hoyt, Donald A. Multiple-scan projector apparatus. 3,257,899, 6–28–66, Cl. 88—24.

Hoyt, Earl E., Jr., to Union Carbide Corp. Hollow building module of corrugated polyurethane foam sections with elongated edge members. 3,254,464, 6–7–66, Cl. 52—309.

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Hronas, John J., and J. L. Rizzo, to Calgon Corp. Filter composition and method of removing hydrogen sulfide from water. 3,276,186, 10–4–66, Cl. 55—36.

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Hsueh, Chia Y., and D. E. Williams, to Radio Corp. of America. Semi-permanent memory. 3,234,529, 2–8–66, Cl. 340—174.

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Huang, Denis K., and H. B. Moore, to International Paper Co. Plastic coated container. 3,292,842, 12–20–66, Cl. 229—17.
Huang, Hsing T., to Chas. Pfizer & Co. Inc. 5-amino-4-imidazolecarboxamide riboside recovery process. 3,271,386, 9–6–66, Cl. 260—211.5.
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Hubbard, David C., and V. Hellstern, to A. B. Chance Co. Electrical connector clamp. 3,248,684, 4–26–66, Cl. 339—95.
Hubbard, David C., C. C. Cagle, M. H. Fink, and C. H. Le Vee, to A. B. Chance Co. Insulated sectionalizing spacer. 3,287,491, 11–22–66, Cl. 174—138.
Hubbard, Elbert G., to Goodman Mfg. Co. Means and method of maintaining a full pneumatic conveying system receiver. 3,279,861, 10–18–66, Cl. 302—1.7.
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Hubbs, John C., to E-H Research Laboratories, Inc. Electrical measuring apparatus for determining response time of transistors and the like. 3,286,180, 11–15–66, Cl. 324—158.
Hubbs, John C., and P. E. Goodale, to E. H. Research Laboratories, Inc. Instrument for measuring transient characteristics. 3,250,990, 5–10–66, Cl. 324—57.
Hubel, Karl W., and E. H. Braye, to Union Carbide Corp. Process for the preparation of hetero-atom containing organic compounds. 3,280,017, 10–18–66, Cl. 204—158.
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Huber, Hans, to F. B. Hatebur. Press for forming workpieces from wire and bar stock. 3,264,853, 8–9–66, Cl. 72—10.
Huber, Harry, to CSF-Compagnie Generale de Telegraphie Sans Fil. Hollow cathodes. 3,253,180, 5–24–66, Cl. 313—339.
Huber, Harry, and R. Le Bihan, to SF-Compagnie Generale de Telegraphie Sans Fil. Ion gun with capillary emitter fed with ionizable metal vapor. 3,233,404, 2–8–66, Cl. 60—35.5.
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Huber, Kenneth J., J. F. Johnston, E. K. Nissen, and D. R. Pourie, to Union Starch & Refining Co., Inc. Process of making coating color starch pastes and starch pastes so produced. 3,255,040, 6–7–66, Cl. 127—32.
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Huber, Ludwig, ½ to J. Eberspacher. Heating system for vehicles. 3,232,535, 2–1–66, Cl. 237—32.
Huber, Ludwig. Apparatus for the production of hot gas currents for heating purposes. 3,246,842, 4–19–66, Cl. 237—33.
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Hubert, André J., J. Dale, and B. Hargitay, to Union Carbide Corp. Novel cyclic diyne polymers. 3,256,261, 6–14–66, Cl. 260—94.1.
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Hubner, Walter, G. Myska, and H. Riemer, to Durkoppwerke Aktiengesellschaft. Apparatus for cross-cutting elongated webs of fabric. 3,273,435, 9–20–66, Cl. 83—210.
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Huck, William F. Web registering system for multi-unit presses. 3,280,737, 10–25–66, Cl. 101—181.
Huck, William F. Web processing machines with coordinated web register and tension controls. 3,283,629, 11–8–66, Cl. 83—75.
Huck, William F. Rotary perforating machine with means to control web movement. 3,283,636, 11–8–66, Cl. 83—365.
Huck, William F. Sheet conveying apparatus. 3,284,081, 11–8–66, Cl. 271—64.
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Huck, William F., and R. Wolf; said Wolf assignor to said W. F. Huck, d.b.a. Huck Co. Method and apparatus for splicing running preprinted webs in register to preprinted web rolls. 3,236,470, 2–22–66. Cl. 242—58.3.
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Huckabay, William B., N. A. Moore, and W. H. Parker. Seismic exploration system. 3,251,027, 5–10–66, Cl. 340—15.5.
Huckabay, William B., and W. H. Parker, to Rayflex Exploration Co. Continuous marine seismic surveying. 3,286,225, 11–15–66, Cl. 340—7.
Huckabee, Luther H. Air preheater for industrial boilers. 3,265,042, 8–9–66, Cl. 122—149.
Huckabee, Vandel C., to Electronic Specialty Co. Miniaturized relay. 3,273,087, 9–13–66, Cl. 335—128.
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Huddle, Harley E. Conveyor for handling fragile containers in spray cleaning apparatus. 3,291,143, 12–13–66, Cl. 134—68.
Huddle, Harley E., and V. Baldwin, to Cincinnati Cleaning and Finishing Machine Co. Conveyor-type cleaning device for fragile containers and the like. 3,262,460, 7–26–66, Cl. 134—72.

Huddle, Roy A. U., to United Kingdom Atomic Energy Authority. Nuclear fuel materials. 3,231,408, 1–25–66, Cl. 117—46.

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Huddleston, Thomas J., to Phillips Petroleum Co. Welding smooth, curved thermoplastic sections. 3,253,972, 5–31–66, Cl. 156—304.

Huddleston, Thomas J., to Phillips Petroleum Co. Apparatus and process for pumping slurry. 3,271,081, 9–6–66, Cl. 302—14.

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Hudgins, Arvin Q., to International Harvester Co. Wire container for hay baler. 3,241,790, 3–22–66, Cl. 242—129.

Hudis, Michael L., to Rex Chainbelt Inc. Laying reinforced concrete pavement. 3,260,177, 7–12–66, Cl. 94—39.

Hudis, Michael L., to Rex Chainbelt Inc. Pavement laying apparatus. 3,267,824, 8–23–66, Cl. 94—46.

Hudnall, John, R. W. Adams, and E. E. Holkesvick, to Lewis H. Himmerlrich. Movement control device. 3,250,515, 5–10–66, Cl. 254—156.

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Hudson, George A., to Mobay Chemical Co. Polyurethane caulk containing ketone aldehyde resins and plasticizer. 3,267,063, 8–16–66, Cl. 260—33.8.

Hudson, George A., K. A. Pigott, and J. H. Saunders, to Mobay Chemical Co. Organic polyisocyanates and polyurethanes prepared therefrom. 3,294,713, 12–27–66, Cl. 260—2.5.

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Hudson, James W., to Square D Co. Header duct for cellular floor. 3,282,298, 11–1–66, Cl. 138—92.

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Huebner, Charles F., to Ciba Corp. Alpha-pyrrolidinomethyl valero and caprophenones. 3,252,996, 5–24–66, Cl. 260—326.5.

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Huff, O. C., and N. C. Stanley, to Texaco Inc. Apparatus for moving heat exchanger tube bundles. 3,239,077, 3–8–66, Cl. 214—1.

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Hultquist, J. Albert, to American Optical Co. Rechargeable flashlight-directly accessible batteries. 3,281,637, 10-25-66, Cl. 320—2.

Hultsch, Guenther, and W. Koecher, to Krauss-Maffei Aktiengesellschaft. Centrifuge. 3,233,735, 2-8-66, Cl. 210—367.

Hultsch, Gunther, to Krauss-Maffei Aktiengesellschaft. Apparatus for treating suspensions. 3,276,591, 10-4-66, Cl. 210—213.

Hultstrand, Winston R.: *See*—
Vik, Albam M. 3,248,197.

Hulverson, Adrian F.: *See*—
Chieger, George, and Hulverson. 3,252,730.

Hulverson, Adrian F., and R. N. Tozer, to Fruehauf Corp. Screw actuated semitrailer support leg. 3,259,364, 7-5-66, Cl. 254—86.

Humalainen, Robert A. R. Adjustable form for work caps and the like. 3,269,618, 8-30-66, Cl. 223—25.

Human Resources Foundation: *See*—
Krobath, Hans. 3,232,288.

Humber, Leslie G., to American Home Products Corp. 1,4-bis-(aminomethyl)-1-cyclohexene compounds. 3,228,976, 1-11-66, Cl. 260—501.

Humber, Leslie G., to American Home Products Corp. 1,4-bis-cyclic and aryl-amino-[2,2,2] bicyclooctane derivatives. 3,228,984, 1-11-66, Cl. 260—563.

Humber, Leslie G., to American Home Products Corp. 1,3-bis-(o-chlorobenzylamino-methyl)-camphocean and salt thereof. 3,269,558, 8-8-66, Cl. 260—570.5.

Humber, Leslie G., to American Home Products Corp. N,N'-disubstituted-aliphatic-bis-aminomethylcyclohexane derivatives. 3,244,750, 4-5-66, Cl. 260—563.

Humber, Leslie G., to American Home Products Corp. 1,4-diaminobicyclo [2.2.2] octanes. 3,264,351, 8-2-66, Cl. 260—570.5.

Humber, Leslie G., to American Home Products Corp. 1,4-bis-(2-tetrahydropyranylmethylaminomethyl)-cyclohexane and salts thereof. 3,267,118, 8-16-66, Cl. 260—345.9.

Humber Ltd.: *See*—
Caine, Frank A. 3,238,095.
Harper, Stephen J. 3,250,145.
Neal, Philip D. 3,284,623.
West, Adrian W., and Lewis. 3,260,182.
West, Adrian W., and Lewis. 3,283,601.

Humberg, Willi. Deflagrating metallic cutting torch. 3,260,-076, 7-12-66, Cl. 67—34.

Humbert, Kingsley E., Jr., to Wix Corp. Filter unit having dual purpose valve assembly. 3,235,085, 2-15-66, Cl. 210—180.

Humbert, Kingsley E., Jr., to Wix Corp. Filter apparatus. 3,237,769, 3-1-66, Cl. 210—94.

Humbert, Kingsley E., Jr., to Wix Corp. Filter apparatus. 3,237,770, 3-1-66, Cl. 210—94.

Humbert, Kingsley E., Jr., to Wix Corp. Filter. 3,241,680, 3-22-66, Cl. 210—457.

Humbert, Kingsley E., Jr., to Wix Corp. Liquid purifier and cleaner. 3,272,336, 9-13-66, Cl. 210—182.

Humbert, Wayne E., M. L. Zweigle, and L. C. Rubens, to The Dow Chemical Co. Stranded aliphatic olefin polymer foam for loose-fill packaging. 3,251,728, 5-17-66, Cl. 161—168.

Humble Oil & Refining Co.: *See*—
Bogs, Charles W., and Gregory. 3,241,150.
Bown, Delos E., Neureiter, and Satterfield. 3,282,891.
Edwards, William R., Wesselhoft, and Williams. 3,268,-616.
Helbig, James E., Nelsen, Pennington, and Satterfield. 3,232,704.
Huffman, Donald R., and Robinson. 3,239,996.
Reistle, Carl E., Jr. 3,285,336.
Sharp, Robert M., Trotter, and von Rosenberg. 3,246,-960.
Smith, Floyd A., Graybeal, and Parks. 3,275,077.
Waddell, Mathis T., Powers, Saunders, and Paulsel. 3,261,846.

Humboldt Co., The: *See*—
McIntyre, Maurice J. 3,237,355.
McIntyre, Maurice J. 3,283,454.

Humbyrd, Earl J., ½ to J. K. McAlpin. Roller lift for handling dry-wall panels. 3,268,209, 8-23-66, Cl. 254—120.

Hume, Andrew A. Tool case. 3,269,529, 8-30-66, Cl. 206—16.

Hume, James D., to Hart-Carter Co. Grain drier frame. 3,230,638, 1-25-66, Cl. 34—174.

Hume, Patrick H. Cam cleat. 3,265,032, 8-9-66, Cl. 114—218.

Humes, Harold L., Jr., to Parametrics Research and Development Co., Inc. Spline fastening device. 3,276,797, 10-4-66, Cl. 287—20.92.

Humes Ltd.: *See*—
Goffin, George R., Baker, and Cornwell. 3,251,720.

Humes, Max E.: *See*—
Frischkorn, Richard, and Humes. 3,275,793.

Humes, Walter W., to Pittsburgh Plate Glass Co. Pivoted glass sheet bending mold. 3,278,289, 10-11-66, Cl. 65—287.

Humiston, Charles G.: *See*—
Sheetz, David P., and Humiston. 3,255,072.

Humiston, Paul A., Jr.: *See*—
Slaybaugh, Lyle, and Humiston. 3,285,200.

Hummel, Harold G., to Ampex Corp. Camera system for recording aircraft landings. 3,278,680, 10-11-66, Cl. 178—6.8.

Hummel, Harry J., to Motorola, Inc. Impulse noise blanker for AM radios. 3,241,073, 3-15-66, Cl. 325—478.

Hummel, John D.: *See*—
Brandt, Harry, Hazard, Hummell, and Schuls. 3,241,-615.

Hummer, Ralph G.: *See*—
Young, Fred W., and Hummer. 3,272,528.

Hummer, Ralph G., to Unarco Industries, Inc. Display assembly. 3,229,823, 1-18-66, Cl. 211—148.

Humostan Corp.: *See*—
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Humpherys, Bernarr H. Radar defruiter. 3,258,772, 6-28-66, Cl. 343—17.1.

Humphrey, Alfred H.: *See*—
Ellinger, Herbert E., and Humphrey. 3,294,316.

Humphrey, Delby C. Mounting for face mask. 3,263,236, 8-2-66, Cl. 2—9.

Humphrey, Frederick H., to Alnwick Investments Ltd. Buckle for a safety belt. 3,270,388, 9-6-66, Cl. 24—230.

Humphrey, John F.: *See*—
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Humphrey, John G., to General Electric Co. Amplitude-discriminating signal transfer circuit. 3,290,441, 12-6-66, Cl. 178—69.5.

Humphrey, John G., to General Electric Co. Phase reversal circuit. 3,290,605, 12-6-66, Cl. 328—155.

Humphrey, Lowell A., to The Standard Oil Co. Portable temperature measuring device. 3,246,521, 4-19-66, Cl. 73—374.

Humphrey, Paul E. Free gyroscope element. 3,226,984, 1-4-66, Cl. 74—5.6.

Humphrey, Paul E. Rate gyroscope. 3,226,985, 1-4-66, Cl. 74—5.6.

Humphrey, Paul E. Automatic brake actuating system with feedback control valve. 3,243,022, 3-29-66, Cl. 192—3.

Humphrey, Robert P., to General Gas Light Co. Air motors. 3,280,703, 10-25-66, Cl. 91—180.

Humphrey, Troy G.: *See*—
Engelhart, Theodore M., Delao, and Humphrey. 3,279,-704.

Humphrey, Watts S., Jr.: *See*—
Brun, Herbert, Greene, Humphrey, and Terzian. 3,263,-219.

Humphreys, Charles R., to E. I. du Pont de Nemours and Co. Process of solvent bonding napped textile fabric. 3,236,-586, 2-22-66, Cl. 8—130.1.

Humphreys, Chelsea B.: *See*—
Humphreys, Walter G. 3,229,773.

Humphreys, Ferdinand F., and J. J. Vitola, to Wheelock Signals, Inc. Vibrating mechanism. 3,238,525, 3-1-66, Cl. 340—396.

Humphreys, Ferdinand F., and J. J. Vitola, to Wheelock Signals, Inc. Vibrating mechanism. 3,238,525, 3-1-66, Cl. 340—396.

Humphreys, Geoffrey D., to The Associated Portland Cement Manufacturers, Ltd. Mechanical air classifier. 3,237,766, 3-1-66, Cl. 209—139.

Humphreys, John W., to Johnson Products Inc. Tappet. 3,238,933, 3-8-66, Cl. 123—90.

Humphreys, Keith W.: *See*—
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Humphreys, Lowell K.: *See*—
Humphreys, Walter G. 3,229,773.

Humphreys, Thomas W.: *See*—
Hinkley, David F., and Humphreys. 3,255,022.

Humphreys, Thomas W., J. R. Wagner, and D. F. Hinkley, to Merck & Co., Inc. Meat curing process and composition therefor. Re. 26,040, 6-14-66, Cl. 99—222.

Humphreys, Thomas W., and D. F. Hinkley, to Merck & Co., Inc. Meat curing process and composition therefor. Re. 26,054, 7-5-66, Cl. 99—222.

Humphreys, Thomas W., and D. F. Hinkley, to Merck & Co., Inc. Meat curing composition and method for curing meat therewith. 3,255,023, 6-7-66, Cl. 99—222.

Humphreys, Walter G. deceased, by L. K., and C. B. Humphreys. Hook toothed deep tiller with rotary cleaner. 3,229,773, 1-18-66, Cl. 172—39.

Humphries, Curtis L., to Mobil Oil Corp. Hydrocarbon adsorption system. 3,288,705, 11-29-66, Cl. 208—310.

Humphries, Curtis L., to Mobil Oil Corp. Hydrocarbon adsorption apparatus and process. 3,289,390, 12-6-66, Cl. 55—62.

Humphries, John, and E. F. V. Robinson, to National Research Council. Target simulating apparatus for use in a radar system. 3,239,825, 3-8-66, Cl. 343—17.7.

Humphries, John, and R. B. Pierce, to Hewlett-Packard Co. Programmable matrix. 3,267,407, 8-16-66, Cl. 339—18.

Hund, Frans: *See*—
Hoch, Wilhelm, Abeck, and Hund. 3,252,758.

Hund, Franz, H. Koller, D. Rade, H. Quast, and K.-W. Ganter, to Farbenfabriken Bayer Aktiengesellschaft. Iron oxide pigments containing manganese. 3,276,894, 10-4-66, Cl. 106—304.

Hundertmark, Alvin F., and J. R. Lamberton, to United States Steel Corp. Conveyor for decelerating traveling products. 3,266,618, 8-16-66, Cl. 198—127.

Hundested Motorfabrik Aktieselskab: *See*—
Jorgensen, Anders J. O. 3,228,480.

Hundhausen, Robert J. Theodolite. 3,266,152, 8-16-66, Cl. 33—69.

Hundstad, Richard L.: *See*—
Way, Stewart, Young, and Hundstad. 3,259,767.

Hundt, Donald D.: *See*—
Blackwood, George W., and Hundt. 3,235,114.

Hung, Roland Y., and H. C. Lin, to Westinghouse Electric Corp. Low dissipation logic gates. 3,287,577, 11-22-66, Cl. 307—88.5.

Hunger, Herbert F., and J. Perry, Jr., to United States of America, Army. Biochemical fuel cell. 3,284,239, 11-8-66, Cl. 136—86.

Hunger, Richard H., P. H. Spennetta, T. G. Campbell, and M. M. Coker, to Caterpillar Tractor Co. Universal bucket for a tractor mounted loader. 3,250,028, 5-10-66, Cl. 37—117.5.

Hunger, Walter. Post-actuating pumps for motor cars. 3,294,022, 12-27-66, Cl. 103—10.

Hungerford, Albert O., and D. E. Jackson, to Butler Mfg. Co. Fiber reinforced plastic panel and method of making same. 3,265,556, 8-9-66, Cl. 161—189.

Hungerford, Churchill, Jr., to Hungerford & Terry, Inc. Quickly detachable strainer system for water treatment tanks. 3,272,340, 9-13-66, Cl. 210—232.

Hungerford, Max. Garden tractor. 3,266,590, 8-16-66, Cl. 180—54.

Hungerford, Philip C., Jr., to Taco, Inc. Pump. 3,228,341, 1-11-66, Cl. 103—87.

Hungerford, Richard C., and F. E. Brown, to Barnes-Hind International, Inc. Lens washing machine. 3,279,482, 10-18-66, Cl. 134—145.

Hungerford & Terry, Inc.: *See*—
Hungerford, Churchill, Jr. 3,272,340.

Hungerford, Willard C., to Willard Instrument Co. Centrifugally operated actuator for switches and other trip mechanisms. 3,267,229, 8-16-66, Cl. 200—80.

Hunke & Jochheim: *See*—
Nusser, Viktor, Pfannkuch, and Lebek. 3,280,986.

Hunkeler, Ernst J., to The Gleason Works. Gear cutting machine. 3,234,852, 2-15-66, Cl. 90—6.

Hunkeler, Ernst J., to The Gleason Works. Flexible band drive. 3,267,812, 8-23-66, Cl. 90—5.

Hunkeler, Ernst J., to The Gleason Works. Gear generating machine and index mechanism therefor. 3,283,660, 11-8-66, Cl. 90—6.

Hunkins, James J. Coupon calendar. 3,290,812, 12-13-66, Cl. 40—107.

Hunkins, Stanley H.: *See*—
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Hunsaker, Darrell R. Lift mechanism. 3,256,042, 6-14-66, Cl. 296—22.

Hunsaker, Oral K., to The Dayton Malleable Iron Co. Torque rod suspension for truck axles. 3,256,007, 6-14-66, Cl. 267—66.

Hunsaker, Oral K., to The Dayton Malleable Iron Co. Magnetic inspection of iron castings. 3,285,944, 8-9-66, Cl. 324—37.

Hunsberger, Jesse F.: *See*—
Lorenso, Manuel P., and Hunsberger. 3,249,410.

Hunt, Arlon J., H. N. Oredson, E. J. Torok, and R. A. White, to Sperry Rand Corp. Method of measuring the easy-axis and Hk probability density functions for thin ferromagnetic films using the longitudinal permeability hysteresis loop. 3,260,928, 7-12-66, Cl. 324—34.

Hunt, Arthur J. Apparatus for extracting liquid from citrus fruit. 3,256,807, 6-21-66, Cl. 100—105.

Hunt, Arthur J. Screw press extractor. 3,256,808, 6-21-66, Cl. 100—117.

Hunt, Benner E., to Repco Products Corp. Domestic heating boilers. 3,269,361, 8-30-66, Cl. 122—115.

Hunt, Charles d'A.: *See*—
Hanks, Charles W., and Hunt. 3,237,254.
Smith, Hugh R., Jr., and Hunt. 3,288,593.

Hunt, Charles J.: *See*—
Halverstadt, Robert D., Stewart, and Hunt. 3,288,114.

Hunt, Charles J., to Beattie-Coleman, Inc. Film transport mechanism. 3,282,520, 11-1-66, Cl. 242—55.11.

Hunt, David L. Fluid valve. 3,294,119, 12-27-66, Cl. 137—625.48.

Hunt, Dennis A., to Rotax Ltd. Means for testing apparatus which causes a rotatable shaft to follow the movements of another rotatable shaft. 3,293,548, 12-20-66, Cl. 324—158.

Hunt Electronics Co.: *See*—
Hutson, Jearld L. 3,293,523.

Hunt, Francis G., to Ilford Ltd. Silver dye bleach dyestuffs and their use in colour photography. 3,287,132, 11-22-66, Cl. 96—53.

Hunt Foods and Industries, Inc.: *See*—
Ferguson, Kenneth F. 3,248,076.
Ferguson, Kenneth F. 3,254,707.
Ferguson, Kenneth F. 3,289,781.
Fleishman, Phillip B. 3,251,466.
Haller, Belmont L., and Schirmer. 3,261,465.
Mason, Stanley I., Jr. 3,285,117.

Hunt, Frederick V. Method of and apparatus for reproduction of phonograph records and the like. 3,268,281, 8-23-66, Cl. 274—23.

Hunt, Geoffrey H., and A. E. W. Hobbs, to Minister of Aviation, in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Gyroscope apparatus. 3,251,231, 5-17-66, Cl. 73—505.

Hunt, George D., to The Ohio Thermometer Co. Adjustable thermometer. 3,279,257, 10-18-66, Cl. 73—363.9.

Hunt, George O., Jr.: *See*—
Stanton, Walter H., Hunt, and Howard. 3,287,434.

Hunt, Gerald R. Cylindrical holder having means to support a held object coaxially therein. 3,294,427, 122–27–66, Cl. 287—1.

Hunt, Heman D., to E. I. du Pont de Nemours and Co. Process for forming images. 3,241,961, 3–22–66, Cl. 96—27.

Hunt, Heman D., to E. I. du Pont de Nemours and Co. Radiation-sensitive elements and their preparation. 3,249,440, 5–3–66, Cl. 96—108.

Hunt, Howard S., and R. F. McMahan, Jr., to American Metal Products Co. Undercarriage for a rocking chair. 3,263,955, 8–2–66, Cl. 248—385.

Hunt, John M., to General Precision, Inc. Continuous rotation servo. 3,254,283, 5–31–66, Cl. 318—29.

Hunt, John M., to General Precision, Inc. Data conversion system. 3,254,337, 5–31–66, Cl. 340—347.

Hunt, Kenneth R.: *See*—
Fortney, Cecil G., Jr., and Hunt. 3,251,703.

Hunt, Mack W., to Continental Oil Co. Preparation of overbased sulfonate composition. 3,250,710, 5–10–66, Cl. 252—33.

Hunt, Mack W., to Continental Oil Co. Preparation and use of dialkoxyaluminum hydride reducing agents. 3,281,443, 10–25–66, Cl. 260—448.

Hunt, Mack W., and G. L. Nield, to Continental Oil Co. Process for stably dispersing metal compounds. 3,277,002, 10–4–66, Cl. 252—32.7.

Hunt Mfg. Co.: *See*—
Frankenfield, Henry M. 3,280,662.

Hunt, Michael S., to Bristol Siddeley Engines Ltd. Multistage compressor including one or more reciprocatable pistons. 3,265,294, 8–9–66, Cl. 230—198.

Hunt, Patrick H., to Texas Instruments Inc. Production of dislocation-free silicon single crystals. 3,275,417, 9–27–66, Cl. 23—273.

Hunt, Philip M., to Orbit Industries, Inc. Telephone isolation apparatus. 3,230,316, 1–18–66, Cl. 179—84.

Hunt, Phillip A., Chemical Corp.: *See*—
Weisberg, Mark, and Butler. 3,245,780.

Hunt, Raymond J., to FMC Corp. Strainer. 3,239,065, 3–8–66, Cl. 210—448.

Hunt, Robert A., to Xerox Corp. Record card scanning apparatus. 3,234,359, 2–8–66, Cl. 235—61.11.

Hunt, Robert A., to Xerox Corp. Automatic xerographic apparatus. 3,266,366, 8–16–66, Cl. 88—24.

Hunt, Robert J. Razor blade receptacle and dispenser. 3,265,197, 8–9–66, Cl. 206—16.

Hunt, Robert W. G., to Eastman Kodak Co. Filter control system. 3,246,586, 4–19–66, Cl. 95—11.

Hunt, Robert W. G., and E. K. Letzer, to Eastman Kodak Co. Method of controlling the spectral composition of a light source by the utilization of color control and correcting light filters. 3,227,044, 1–4–66, Cl. 88—112.

Hunt, Rowland D., to English Electric Aviation Ltd. Ground effect vehicles. 3,279,554, 10–18–66, Cl. 180—7.

Hunt, Rowland D., and R. C. Harris, to British Aircraft Corp. (Operating) Ltd. Aligning of twin component aviation systems in flight. 3,237,886, 3–1–66, Cl. 244—2.

Hunt, Seymour, to Gulton Industries, Inc. Portable standby emergency light unit. 3,233,091, 2–1–66, Cl. 240—10.6.

Hunt, Seymour, to Gulton Industries, Inc. Rechargeable battery operated electric cigarette lighter. 3,277,271, 10–4–66, Cl. 219—268.

Hunt, Stanley K.: *See*—
Kobler, Richard, and Hunt. 3,253,352.

Hunt, Stuart J., and M. C. Irish, to National Automatic Tool Co., Inc. Work locating means. 3,289,356, 12–6–66, Cl. 51—165.

Hunt, Thomas, to The Distillers Co. Ltd. Surface coating polyester resins. 3,253,938, 5–31–66, Cl. 106—252.

Hunt, William F., to Reynolds Metals Co. Container for a keg or the like. 3,232,491, 2–1–66, Cl. 222—154.

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Paterson, Norman R., and Faessler. 3,293,596.

Hunter, Alexander, to Sperry Rand Corp. Card advancing mechanism for serial punch. 3,276,774, 10–4–66, Cl. 271—54.

Hunter, Alexander, and A. J. Romeo, to Sperry Rand Corp. Record perforating device. 3,253,778, 5–31–66, Cl. 234—114.

Hunter, Alexander N.: *See*—
Trusler, Frederick W., and Hunter. 3,282,852.

Hunter, Buren V.: *See*—
Cahill, Robert F., Hunter, and Thompson. 3,280,931.

Hunter, Byron A., to United States Rubber Co. Sulfonyl-semicarbazides as blowing agents for polymeric materials. 3,235,519, 2–15–66, Cl. 260—2.5.

Hunter, Carolyn De W.: *See*—
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Hunter, Cecil M. True air speed indicator. 3,257,846, 6–28–66, Cl. 73—182.

Hunter, Don L.: *See*—
Woods, William G., Bengelsdorf, and Hunter. 3,234,191.
Woods, William G., Bengelsdorf, and Hunter. 3,234,259.

Hunter Douglas International Ltd.: *See*—
Hensel, Erich E. 3,289,739.

Hunter Douglas International (Quebec) Ltd.: *See*—
Blok, Dirk E. 3,226,898.
Blok, Dirk E. 3,276,333.

Hunter, Edward E., to The Goodyear Tire & Rubber Co. Web treating apparatus. 3,264,752, 8–9–66, Cl. 34—62.

Hunter, Edward I.: *See*—
Jagger, Ernest T., and Hunter. 3,263,011.
Jagger, Ernest T., and Hunter. 3,270,373.

Hunter, Edwin J., to Moist O'Matic, Inc. Dual speed sprinkler. 3,261,552, 7–19–66, Cl. 239—236.

Hunter, Edwin J., to Moist O'Matic, Inc. Sprinkler head. 3,272,436, 9–13–66, Cl. 239—204.

Hunter, Edwin J., to Moist O'Matic, Inc. Irrigation controller. 3,286,733, 11–22–66, Cl. 137—624.2.

Hunter, Edwin J., to Moist O'Matic Inc. Fertilizer ejector, 3,292,867, 12–20–66, Cl. 239—322.

Hunter, Edwin J., and G. H. Starrett, to Products Engineering Co. Method and apparatus for assembling Venetian blinds. 3,281,914, 11–1–66, Cl. 29—24.5.

Hunter, Frank H.: *See*—
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Hunter, Frank M., to Acheson Industries, Inc. High temperature lubricant. 3,242,075, 3–22–66, Cl. 252—22.

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Hunter, James B., to J. Bishop & Co. Platinum Works. Production of ultra pure hydrogen. 3,254,956, 6–7–66, Cl. 23—212.

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Vance, Frank, and Hunter. 3,254,655.

Hunter, James R.: *See*—
Henderson, Richard S., Hunter, and Manning. 3,248,152.

Hunter, Jonathan, and T. Snyder, to Litton Systems, Inc. Tape guide for recording machines. 3,240,441, 3–15–66, Cl. 242—55.19.

Hunter, Joseph J.: *See*—
Leslie, William H. P., and Hunter. 3,230,772.

Hunter, Joseph M. Rotary air drilling head. 3,285,352, 11–15–66, Cl. 175—214.

Hunter, Lee. Vehicle wheel toe-in setting device. 3,294,368, 12–27–66, Cl. 254—100.

Hunter, Lloyd P., to International Business Machines Corp. Semiconductor ultrasonic signal-delay apparatus utilizing integral P-N junctions as electromechanical transducers. 3,251,009, 5–10–66, Cl. 333—30.

Hunter, Lloyd P., and J. F. Woods, to International Business Machines Corp. Temperature compensated semiconductor resistor. 3,248,677, 4–26–66, Cl. 338—7.

Hunter Manufacturing Co.: *See*—
Damon, Ralph S. 3,267,929.
Damon, Ralph S. 3,294,147.
Lister, George H. 3,260,299.

Hunter, Patrick L., to North Electric Co. Stable frequency square wave inverter with voltage feedback. 3,256,495, 6–14–66, Cl. 331—113.

Hunter, Paul H., and F. J. Beldring, to Union Carbide Corp. Package for flowable materials. 3,255,932, 6–14–66, Cl. 222—183.

Hunter, Paul H., and A. J. Guzzetti, to Union Carbide Corp. Rigid container. 3,286,902, 11–22–66, Cl. 229—2.5.

Hunter, Robert E., to United States of America, Air Force. Plural needle electrode electrostatic thrust device. 3,286,467, 11–22–66, Cl. 60—202.

Hunter, Robert H.: *See*—
Smith, Harris W., and Hunter. 3,245,457.

Hunter, Roger W.: *See*—
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Hunter, Stanley: *See*—
Round, Henry J., and Hunter. 3,238,498.

Hunter, Von D., to Zareba Corp., Ltd. Precious metal recovery. 3,238,038, 3–1–66, Cl. 75—7.

Hunter, Walker F.: *See*—
Bartlett, Lawrence C., Hunter, and Osmalov. 3,227,136.

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Hauser, George R., Hunter, Hynes, Keller, Thurston, and Manda. 3,251,267.

Hunter, William A., to Pettibone Mulliken Corp. Sand mulling apparatus. 3,256,573, 6–21–66, Cl. 22—89.

Hunter, William A., and R. Lund, to Pettibone Mulliken Corp. Match plate molding machine for the simultaneous production of cope and drag mold sections. 3,229,336, 1–18–66, Cl. 22—26.

Hunter, William A., and R. Lund, to Pettibone Mulliken Corp. Self-aligning pouring cup pattern and sprue punch assembly. 3,234,602, 2–15–66, Cl. 22—38.

Hunter, William H.: *See*—
Augstein, Joachim, Austin, Boscott, Green, and Hunter. 3,271,448.

Hunter, William H., and S. Garbe, to Royal China, Inc. Article handling machine. 3,261,286, 7–19–66, Cl. 101—321.

Hunth, Werner, to Bolkow Gesellschaft mit beschrankter Haftung. Control device and mechanical lock. 3,228,632, 1–11–66, Cl. 244—83.

Hunth, Werner, to Bolkow Gesellschaft mit beschrankter Haftung. Fluid linkage and servo-system. 3,285,139, 11–15–66, Cl. 91—51.

Huntington, Andrew B., D. B. Abbott, and E. P. Brinkel, to Ross Operating Valve Co. Valve. 3,253,516, 5–31–66, Cl. 91—426.

Huntington, Andrew B., D. B. Abbott, and E. P. Brinkel, to Ross Operating Valve Co. Fluid motor and pressure responsive. 3,270,625, 9–6–66, Cl. 91—426.

Huntington, Fred R., to The Galigher Co. Multiple stage sampler. 3,252,328, 5–24–66, Cl. 73—423.

Huntington, Fred R., to The Galigher Co. Material sampling device and dust closure therefor. 3,279,260, 10–18–66, Cl. 73—423.

Huntington, Morgan G., to Pyrochem Corp. Contact catalysis of the initial vapors destructively distilled from hydrocarbonaecous solids to circumvent polymerization and other subsequent liquid phase intermolecular reactions. 3,244,615, 4–5–66, Cl. 208—97.

Huntington, Morgan G., to Pyrochem Corp. Quadri-phase low preasure method for partial liquefaction of coal. 3,247,092, 4–19–66, Cl. 208—8.

Huntington, Morgan G., to RNB Corp. Reactor core and support therefor. 3,264,191, 8–2–66, Cl. 176—84.

Huntington, Morgan G., to Pyrochem Corp. Pressure pulsing perpendicular permeability process for wining stabilized primary volatiles from oil shale in situ. 3,273,640, 9–20–66, Cl. 166—7.

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Huntley, John H., to General Motors Corp. Wheel cover. 3,252,739, 5–24–66, Cl. 301—37.

Huntley, Keith G., and S. R. Stagg, to Farrington Business Machines Corp. Platen mechanism for printing machines. 3,260,199, 7–12–66, Cl. 101—269.

Huntoon, Robert B., G. A. Consolazio, A. J. Paraskevas, N. J. Kalafatas, and R. E. Moses, to General Foods Corp. Fining gelatin solutions with basic aluminum hydrate. 3,244,689, 4–5–66, Cl. 260—118.

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Huntzinger, Gerald O., and W. D. Worrell, to General Motors Corp. Voltage suppression network for ignition systems. 3,264,521, 8–2–66, Cl. 315—224.

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Davison, Richard E., M. E., and L. 3,236,073.
Engel, Lewis O. 3,270,529.
Fannon, John, Jr. 3,242,315.
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Hupp, Gerhard, to Messrs. Mauser-Werke Aktiengesellschaft. Breech operating mechanism for a gas pressure loader for guns. 3,289,535, 12–6–66, Cl. 89—191.

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Hurd, Billy G., and J. L. Fitch, to Mobil Oil Corp. In situ leaching of subterranean deposits. 3,278,233, 10–11–66, Cl. 299—4.

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Hurley, George F.: *See*—
Manyik, Robert M., Walker, Wilson, and Hurley. 3,231,-550.
Manyik, Robert M., Walker, Wilson, and Hurley. 3,242,-099.

Hurley, Homer. Solder-feeding apparatus for a soldering iron. 3,229,885, 1–18–66, Cl. 228—52.

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Hurley, Thomas P., and N. C. Sears, to Sprague Electric Co. Hydrophones. 3,258,739, 6–28–66, Cl. 340—10.

Hurley, Thomas P., and N. C. Sears, to Sprague Electric Co. Hydrophones. 3,258,740, 6–28–66, Cl. 340—10.

Hurlow, John B. Power-boosted, push-pull, cable control apparatus. 3,274,893, 9–27–66, Cl. 91—49.

Hurmer, Richard, and J. Vernin. Substituted 3-oxo-3,4-dihydro-1,2,4-benzothiadiazine 1,1-dioxides and a method for their preparation. 3,287,362, 11–22–66, Cl. 260—243.

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Hurst, Alan R., to Morton International, Inc. Process for coating paper using a polyimine precoat and products thereof. 3,230,135, 1–18–66, Cl. 161—250.

Hurst, Charles L., to Manufactures Machine Co. Truck wheel and mounting of rim thereon. 3,237,991, 3–1–66, Cl. 301—12.

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Hurst, Edmond C., to United States of America, Atomic Energy Commission. Titanium primer for a vacuum. 3,286,-820, 11–22–66, Cl. 206—.4.

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Hurst, George H., and W. G. Campbell. Gear shifting apparatus, 3,292,450, 12–20–66, Cl. 74—473.

Hurst, George P. Anti-sway linkage for container engaging means. 3,241,686, 3–22–66, Cl. 212—129.

Hurst, John S., W. A. Pfeiler, and M. Sanders, to United States of America, Atomic Energy Commission. Radioactivity smear sampling method and apparatus using data processing cards. 3,277,301, 10–4–66, Cl. 250—83.

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Hurst, Leslie M., to Hurst Mfg. Corp. Motor control with clutch and brake assembly. 3,256,963, 6–21–66, Cl. 192—.072.

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Hurst, Patricia L. Educational aid. 3,270,430, 9–6–66, Cl. 35—35.
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Hurst, Robert N., and R. A. Dischert, to Radio Corp. of America. Servo system with plural reference signals. 3,270,-130, 8–30–66, Cl. 178—6.6.
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Hurth, Fritz. 3,245,320.
Hurth, Fritz. 3,246,568.
Hurth, Fritz. 3,289,536.
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Kretzschmar, Karl, and Lichtenauer. 3,263,568.
Rogg, Otto. 3,233,519.
Schuster, Anton, and Reichenstetter. 3,249,015.
Hurth, Fritz, to Carl Hurth Maschinen- und Zahnradfabrik. Method of and apparatus for finishing gear-shaped workpieces. 3,245,320, 4–12–66, Cl. 90—1.6.
Hurth, Fritz, to Carl Hurth Maschinen- und Zahnradfabrik. Apparatus for finishing gear-shaped workpieces. 3,246,568, 4–19–66, Cl. 90—1.6.
Hurth, Fritz, to Carl Hurth Maschinen- und Zahnradfabrik. Machine for finishing gears and the like. 3,289,536, 12–6–66, Cl. 90—1.6.
Hurth, Fritz, and J. Lohrer, to Carl Hurth Maschinen-und Zahnradfabrik. Apparatus for treating gears. 3,240,123, 3–15–66, Cl. 90—1.6.
Hurtig, Carl R., to Damon Engineering Inc. Crystal controlled oscillator with frequency modulating circuit. 3,256,-498, 6–14–66, Cl. 332—26.
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Cooper, James N. 3,284,084.
Hurvitz, Hyman. Electroluminescent frequency sensitive visual indicator. 3,235,799, 2–15–66, Cl. 324—78.
Hurvitz, Hyman. Electro-capillary switch. 3,249,724, 5–3–66, Cl. 200—152.
Hurvitz, Hyman. Teaching device. 3,257,493, 6–21–66, Cl. 84—1.02.
Hurvitz, Hyman. Randomization of phases and frequencies of musical spectra. 3,263,019, 7–26–66, Cl. 84—1.24.
Hurvitz, Hyman. Reverberators. 3,267,197, 8–16–66, Cl. 84—1.24.
Hurvitz, Hyman. Music enhancement. 3,267,198, 8–16–66, Cl. 84—1.24.
Hurvitz, Hyman. Systems for introducing vibrato. 3,267,-199, 8–16–66, Cl. 84—1.25.
Hurvitz, Hyman. Music enhancement. 3,274,325, 9–20–66, Cl. 84—1.23.
Hurvitz, Hyman, 1/3 to J. N. Cooper. Tape recorder. 3,276,-707, 10–4–66, Cl. 242—55.12.
Hurvitz, Hyman, to Fifth Dimension Inc. Mercury switch employing magnetizable fluid. 3,289,126, 11–29–66, Cl. 335—47.
Hurwitz, Abraham A. Pricing gauge for bolts and nuts. 3,288,629, 3–8–66, Cl. 33—174.
Hurwitz, Henry, Jr., to General Electric Co. Object identifying apparatus. 3,273,146, 9–13–66, Cl. 343—6.8.
Hurwitz, Henry, Jr., to General Electric Co. Plasma containment method and apparatus. 3,290,219, 12–6–66, Cl. 176—3.
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Hurwitz, Marvin J., and E. M. Beavers, to Rohm & Haas Co. Mixtures of diunsaturated diethers. 3,262,380, 7–26–66, Cl. 260—611.
Hurwitz, Marvin J., and D. M. Fenton, to Rohm & Haas Co. Fulvene-containing unsaturated polyester resins. 3,262,990, 7–26–66, Cl. 260—861.
Hurwitz, Marvin J., and E. M. Beavers, to Rohm & Haas Co. Ethers and methods of preparation. 3,285,966, 11–15–66, Cl. 260—614.
Hurwitz, Marvin J., and H. Aschkenasy, to Rohm & Haas Co. Dewatering aqueous suspensions. 3,288,707, 11–29–66, Cl. 210—54.
Hurwitz, Melvin D., to Rohm & Haas Co. Polymerizable substituted-4-pentenamide monomers, polymers thereof, and methods for making and using these compositions. 3,274,164, 9–20–66, Cl. 260—78.5.
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Huscher, Joseph L., to Kaykor Products Corp. Polyvinyl chloride window. 3,253,372, 5–31–66, Cl. 52—245.
Huse, Paul O. Tilting and stacking arrangement for hatch cover. 3,237,681, 3–1–66, Cl. 160—193.
Huseby, Robert A., to A. O. Smith Corp. Method and apparatus for heat treating low carbon steel. 3,294,599, 12–27–66, Cl. 148—143.
Huseby, Robert A., and E. J. Nielsen, to A. O. Smith Corp. Method of reducing warpage and dimensional growth of structural members during heat treatment. 3,278,349, 10–11–66, Cl. 148—131.
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Husek, Helen P., to Polaroid Corp. Photographic processes, compositions and products. 3,236,643, 2–22–66, Cl. 96—29.
Husek, Helen P., and M. S. Simon, to Polaroid Corp. Photographic processes, compositions and products. 3,236,645, 2–22–66, Cl. 96—29.
Huser, Richard J., to The Western States Machine Co. Mingler for temperature conditioning sugar masses. 3,272,649, 9–13–66, Cl. 127—17.
Hushebeck, Henry R., to Joseph Bancroft & Sons Co. Process of methylenating cellulose textiles employing a catalyst mixture of acid, acid salt and reducing agent. 3,243,252, 3–29–66, Cl. 8—116.3.
Hushebeck, Henry R., to Joseph Bancroft & Sons Co. Formaldehyde modification of cellulose catalyzed by a Lewis acid salt and formic acid generated in situ by a peroxide. 3,287,-083, 11–22–66, Cl. 8—116.4.
Hushek, Daniel J. Picture frame hanging and leveling device. 3,265,339, 8–9–66, Cl. 248—29.
Husher, John D., and J. E. McClain, to Westinghouse Electric Corp. Multipurpose molecular electronic semiconductor device for performing amplifier and oscillator-mixer functions including degenerative feedback means. 3,271,685, 9–6–66, Cl. 325—440.
Huska, Paul. Fluid displacement actuator. 3,229,590, 1–18–66, Cl. 92—48.
Huska, Paul. Accessible, self-mounting terminal block. 3,246,283, 4–12–66, Cl. 339—198.
Huska, Paul. Rotary fluid displacement device. 3,246,580, 4–19–66, Cl. 92—120.
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Curra, Richard S., Jr. 3,282,363.
Hussey, Ray W. Carpets wired for sound. 3,288,912, 11–29–66, Cl. 174—70.
Hussmann, Peter, to BIRS Beteiligungs- und Verwaltungesellschaft AG. Method and apparatus for drying gaseous fluids and recovering heat. 3,230,689, 1–25–66, Cl. 55—28.
Hussmann Refrigerator Co.: *See*—
Quick, Lester K., and Line. 3,234,752.
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Hustead, Ralph L. Universal drill press and pipe vise. 3,239,-210, 3–8–66, Cl. 269—208.
Hustead, Ralph L. Adjustable trailer chassis. 3,252,717, 5–24–66, Cl. 280—482.

Hustinx, Edmond. Process for preparing soluble reaction products of epoxy resins and varnishes and paint made therefrom. 3,264,235, 8–2–66, Cl. 260—18.
Huston, Alfred B., to American Sterilizer Co. Temperature scale for sterilizer. 3,272,589, 9–13–66, Cl. 21—98.
Huston, Daisy D., and M. Cunningham. Combination axe and knife sheath. 3,252,489, 5–24–66, Cl. 145—62.
Huston, Elmo F., to The Ohio Brass Co. Potheads and cable terminals. Re. 26,066, 7–19–66, Cl. 174—73.
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Huston, William D., to American Radiator & Standard Sanitary Corp. Electric meter including pivoted magnet rotor surrounded by continuous pole faces. 3,275,936, 9–27–66, Cl. 324—146.
Huston, William D., to American Radiator & Standard Sanitary Corp. Pressure sensing instrument. 3,277,722, 10–11–66, Cl. 73—418.
Hutchens, Charles T., to Hutchens & Son Metal Products, Inc. Tandem axle suspension. 3,261,622, 7–19–66, Cl. 280—104.5.
Hutchens, Charles T. Suspension assembly for vehicles and process. 3,279,815, 10–18–66, Cl. 280—104.5.
Hutchens, Morris L., to Kearney & Trecker Corp. Program tool verifier. 3,249,997, 5–10–66, Cl. 29—568.
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Hutcheon, Charles F. Merchandise display card and clip therefor. 3,275,274, 9–27–66, Cl. 248—309.
Hutcheon, Charles F., to Forest Plastics, Inc. Snap action opening means for a container. 3,278,068, 10–11–66, Cl. 220—54.
Hutcheon, Ian C., to George Kent Ltd. A.C. regulator systems. 3,249,852, 5–3–66, Cl. 323—69.
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Hutcheon, Keith F., to C.A.V. Ltd. Liquid fuel pumping apparatus for internal combustion engines. 3,289,590, 12–6–66, Cl. 103—2.
Hutcherson, Kenneth M. Measuring spout for dry substances. 3,235,139, 2–15–66, Cl. 222—364.
Hutcheson, Ralph L., to Union Carbide Corp. Crystal growing furnace with an alumina liner. 3,282,654, 11–1–66, Cl. 23—273.
Hutchings, Barry W., to Esso Research and Engineering Co. Inertia-type solids de-entrainment device. 3,247,651, 4–26–66, Cl. 55—345.
Hutchings, Carl H. Wall and floor construction of prestressed concrete. 3,237,357, 3–1–66, Cl. 52—223.
Hutchings, Carl H. Prestressed concrete highway. 3,237,537, 3–1–66, Cl. 94—8.
Hutchings, Carl H. Mold bed for stressed concrete structural members. 3,237,912, 3–1–66, Cl. 249—125.
Hutchings, Edward G., to Babock & Wilcox Ltd. Ship propulsion power plant. 3,280,559, 10–25–66, Cl. 60—73.
Hutchings, Elmer L. Fishing rod rack. 3,291,427, 12–13–66, Cl. 248—201.
Hutchings, Le Roi E.: *See*—
Klass, Donald L., and Hutchings. 3,238,066.
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Clarke, Kenneth, Dare, and Hutchings. 3,250,573.
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Hutchins, John H.: *See*—
Davies, John A., and Hutchins. 3,261,787.
Hutchins, Marsden C., to Johns-Manville Corp. Asbestos paper containing carbon and method of making it. 3,269,889, 8–30–66, Cl. 162—155.
Hutchins, Ralph E. to The Budsen Corp. Speaker enclosure. 3,233,695, 2–8–66, Cl. 181—31.
Hutchins, Thomas B., IV, and G. C. Douglas, to Tektronix, Inc. Metal to semiconductor rectifying junction. 3,255,-393, 6–7–66, Cl. 317—234.
Hutchinson, Allen R. Rear-mounted rotary hoe. 3,237,700, 3–1–66, Cl. 172—47.
Hutchinson, Archibald D. L. Tilting dump body shiftable along chassis. 3,232,666, 2–1–66, Cl. 298—14.
Hutchinson, Archibald D. L., to Kneeling Nellie, Inc. Retractable support for semitrailer. 3,292,802, 12–20–66, Cl. 214—506.
Hutchinson, David N., to The Bell Telephone Co. of Canada. Teleprinter order writing system. 3,281,526, 10–25–66, Cl. 178—2.
Hutchinson, David N., to The Bell Telephone Co. Transmission line break detecting circuit. 3,288,929, 11–29–66, Cl. 178—69.
Hutchinson, Elmer R. Vehicle moving mechanism. 3,269,-740, 8–30–66, Cl. 280—3.
Hutchinson, Harold D., and W. C. Gregge. Sealing apparatus. 3,236,174, 2–22–66, Cl. 100—93.
Hutchinson, Henry M., to The Distillers Co. Ltd. Short-stop chloroprene polymerization with oxalate ions. 3,231,556, 1–25–66, Cl. 260—92.3.
Hutchinson, Henry P., and P. R. Arendt, to Satellite and Space Communications Systems, Inc. Satellite and space communications systems. 3,262,116, 7–19–66, Cl. 343—100.
Hutchinson, Joseph F., to The Goodyear Tire & Rubber Co. Anti-skid tire and apparatus for manufacturing the same. 3,237,670, 3–1–66, Cl. 152—211.
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Hutchinson, Merle, and W. P. Banks, to Continental Oil Co. Erosion-resistant reference electrode assembly. 3,272,731, 9–13–66, Cl. 204—195.
Hutchinson, Orewood C., to General Motors Corp. Means for improving mobility of a refrigerator. 3,276,222, 10–4–66, Cl. 62—239.
Hutchinson, Paul C., and H. J. Leveseque, to Consolidated Electrodynamics Corp. Spectroscopic alignment monitor. 3,229,566, 1–18–65, Cl. 88—14.
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Hutchinson, William G., and O. Hayden, to United Kingdom Atomic Energy Authority. Nuclear reactor heat exchangers. 3,242,961, 3–29–66, Cl. 165—67.
Hutchinson, William G., L. C. Cole, and P. L. Riley, to United Kingdom Atomic Energy Authority. Nuclear reactor with improved fuel handling facility. 3,271,262, 9–6–66, Cl. 176—30.
Hutchinson, William G., and J. Webb, to United Kingdom Atomic Energy Authority. Power generation from nuclear reactor plant. 3,293,137, 12–20–66, Cl. 176—32.
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Hutchison, Miller R., Jr., to Eastman Kodak Co. Photoelectric exposure control system. 3,253,523, 5–31–66, Cl. 95—10.
Hutchison, Miller R., Jr., to Eastman Kodak Co. Automatic flash control device for photographic cameras. 3,282,180, 11–1–66, Cl. 95—11.
Hutchison, Thomas B., and N. J. H. D'Arcy, to Pametrads, and Esso Research and Engineering Co. Ships propulsion plant. 3,283,506, 11–8–66, Cl. 60—102.
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Huthsing, Charles K., Jr. Fire extinguisher. 3,228,474, 1–11–66, Cl. 169—31.
Huthsing, Charles K., Jr. Fire extinguisher construction for exteriorly mounted cartridges. 3,239,010, 3–8–66, Cl. 169—31.
Hutson, Jearld L., to Electronic Control Corp. Symmetrically switching integrated semiconductor device. 3,274,463, 9–20–66, Cl. 317—235.
Hutson, Jearld L., to Hunt Electronics Co. Five layer diode counter E.M.F. speed control system. 3,293,523, 12–20–66, Cl. 318—331.
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Hutter, Ernest, and T. E. Sullivan, to United States of America, Atomic Energy Commission. Seal for a control rod apparatus. 3,280,002, 10–18–66, Cl. 176—36.
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Hutter, Wilhelm, to Niederrheinische Maschinenfabrik Becker & Van Hullen. Method of and device for making pressboards and the like. 3,268,642, 8–23–66, Cl. 264—120.
Hutto, Frank C., to Ford Motor Co. Piston. 3,259,028, 7–5–66, Cl. 92—228.
Hutto, John F., and F. T. Sherk, to Phillips Petroleum Co. Alkylation reaction product separation. 3,254,137, 5–31–66, Cl. 260—683.48.

Hutto, John F., R. D. Garlington, and J. T. Cabbage, to Phillips Petroleum Co. Method for production of cyclohexane. 3,274,275, 9–20–66, Cl. 260—667.

Hutton, David G., to E. I. du Pont de Nemours and Co. Azeotropic distillation of hydrocarbons with hexafluoroiso-propyl alcohol. 3,284,348, 11–8–66, Cl. 208—348.

Hutton, David G., and W. T. Robinson, to E. I. du Pont de Nemours and Co. Solvent extraction of hydrocarbons with hexafluoroisopropyl and trifluoroethyl alcohols. 3,284,347, 11–8–66, Cl. 208—333.

Hutton, Jerry T., L. J. Nava, J. B. Shields, and C. A. Kempf, to Foremost Dairies, Inc. Process for producing instantized products. 3,231,386, 1–25–66, Cl. 99—56.

Hutton, Norman H., to Hydrol Chemical Co. Ltd. Means for cleaning and cooling grinding apparatus. 3,256,647, 6–21–66, Cl. 51—267.

Hutton, Stanley P., to B.S.A. Harford Pumps Ltd. Pumps. 3,286,639, 11–22–66, Cl. 103—41.

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Huyser, Earl S., to The Dow Chemical Co. Chlorination process. 3,251,887, 5–17–66, Cl. 260—612.

Huyser, Earl S., and G. E. Hartzell, to The Dow Chemical Co. Production of reactive free radicals. 3,278,502, 10–11–66. Cl. 260—80.

Hvam, Hjalmar. Toe binding. 3,265,400, 8–9–66, Cl. 280—11.35.

Hvam, Hjalmar. Sole-protecting toe ski binding. 3,282,599, 11–1–66, Cl. 280—11.35.

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Hvizd, Andrew, Jr., to The Kerite Co. Insulated high voltage cables. 3,287,489, 11–22–66, Cl. 174—102.

Hvostoff, Nicolas, L. Grulet, M. Comte, and G. Thareau, to Societe Nationale des Petroles d'Aquitaine. Method and means for treating moving gases by liquids. 3,237,381, 3–1–66, Cl. 55—89.

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Hwang, Yu-Tang, to Union Oil Co. of California. Selective extraction of C_8–C_{10} aromatic hydrocarbons. 3,287,261, 11–22–66, Cl. 208—330.

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Hyde, Robert W., to KDI Corp. Self-starting synchronous motor. 3,231,770, 1–25–66, Cl. 310—156.

Hyde, Robert W., to Pryde, Inc. Adjustable shower head. 3,252,660, 5–24–66, Cl. 230—460.

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Hydorn, Allan E., and J. R. Moetz, to E. R. Squibb & Sons, Inc. 3 mono and 3,16-diesters of Δ^5-androstene-3β,16α-diol-17 one and process for the production thereof. 3,201,813, 12–13–66. Cl. 260—397.4.

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Hykes, Glenn R., to Collins Radio Co. Frequency divider. 3,230,399, 1–18–66, Cl. 307—88.5.

Hyland, James W., Jr., to Owens-Illinois Co. Cellulosic and wool materials contalning a reaction product of epichlorohydrin and a polyamide derived from polyalkylene polyamine with a mixture of polymeric fatty acid and dibasic carboxylic acid. 3,248,280. 4–26–66, Cl. 162—164.

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Hyman, Julius, and H. P. C. Lee, to Fundamental Research Co. Halogenation of the Diels-Alder diadduct of hexachlorocyclopentadiene and naphthalene. 3,248,436, 4–26–66, Cl. 260—649.

Hyman, Robert A., and A. D. Thomas, to International Standard Electric Corp. Radiation sensitive self-powered solid-state circuit. 3,280,333, 10–18–66, Cl. 250—212.

Hyman, Sam M. Base fabric coated with resin having mixture of quaternary ammonium germicides. 3,247,058, 4–19–66. Cl. 167—38.6.

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Hynes, Lee P., and Koester. 3,286,079.

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Hynes, Lee P., to Hynes Electric Heating Co. High-temperature fluid heater. 3,270,182, 8–30–66, Cl. 219—382.

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Turgeon, Joseph A. 3,230,293.
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Iannetti, Ernest D., and M. E. and J. N. Robinson, to The Cleveland Formgrader Co. Machine for forming and finishing concrete surfaces. 3,251,281. 5–17–66, Cl. 94—45.

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Ibbotson, Arthur, and E. J. Vickers, to Imperial Chemical Industries Ltd. Preparation of cellular polyurethanes in the presence of a siloxane oxyalkylene copolymer. 3,272,762, 9–13–66, Cl. 260—2.5.

Ibbs, Thomas J. Outboard motor mounting arrangement for small fishing boats. 3,245,640, 4–12–66, Cl. 248—4.

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Icenbice, Phineas J., Jr., L. E. Curriston, and R. F. Holland, to Litton Systems, Inc. Radio relay repeater. 3,288,402, 11–29–66, Cl. 244—138.

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Ignelzi, Eugene. Vending apparatus adapted to store and process food items. 3,291,035, 12–13–66, Cl. 99—357.

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Ihde, Frederick J., Jr., and J. Levy, to Nopco Chemical Co. Method of preparing siliceous amino compounds. 3,250,707, 5–10–66, Cl. 252—28.

Ihde, Frederick J., Jr., and J. Cunder, to Nopco Chemical Co. Thickening composition comprising a siliceous amino composition and hydrogenated castor oil. 3,267,056, 8–16–66, Cl. 260—22.

Ihnacik, Joseph J., Jr., to Ford Motor Co. Ball joint and seal assembly. 3,279,833, 10–18–66, Cl. 287—90.

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Ikeda, Kazuo. Stickpin. 3,261,067, 7–19–66, Cl. 24—155.

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Ikratch, Kurt, and W. A. Schneider, to United States of America, Army. Inflatable dielectric tube antenna. 3,276,025, 9–27–66, Cl. 343—757.

Ikrath, Ikrath K., G. W. Kerr, and W. A. Schneider, to United States of America, Army. Seismic multivibrator. 3,268,029, 8–23–66, Cl. 181—.5.

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Ishizaki, Hidenosuke. Grip or snap-on fasteners. 3,267,538, 8–23–66, Cl. 24—96.

Ishizuka, Yoshio, I. Tanaka, and F. Takabayashi, to Teikoku Jinzo Kenshi Kabushiki Kaisha. Process for producing α-methyl glutamate hydrochloride. 3,277,156, 10–4–66, Cl. 260—482.

Ishler, Harry K., J. L. Fellin, and J. H. Bates, to Sprague Electric Co. Handling miniature solid-state devices. 3,278,018, 10–11–66, Cl. 206—56.

Isikawa, Tosio, to Minolta Camera Kabushiki Kaisha. Positive picture copier. 3,272,108, 9–13–66, Cl. 95—77.5.

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Isley, Ralph E., and R. C. Adams, to The Standard Oil Co. Process for preparing film-forming polymers of olefinically-unsaturated nitriles and polyalkenyl compounds and products thereof. 3,253,058, 5–24–66, Cl. 260—881.

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Isley, Walter F., and F. C. Druzynski, to Continental Aviation and Engineering Corp. Fuel density compensator regulator. 3,241,596, 3–22–66, Cl. 158—36.

Isley, Walter F., and F. C. Druzynski, to Continental Aviation and Engineering Corp. Viscosity responsive control. 3,293,991, 12–27–66, Cl. 91—52.

Ismach, Aaron. Automatic intermittent positive pressure ventilators. 3,251,359, 5–17–66, Cl. 128—29.

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Itoh, Hiroji, K. Washimi, and A. Kobayashi, to Kureha Kagaku Kogyo Kabushiki Kaisha. Process for purifying gas containing acetylene, ethylene and impurities obtained by thermal cracking of hydrocarbon. 3,244,764, 4–5–66, Cl. 260—679.

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Iuul, Ifver C. Switch devices for the lamps of electric newspapers. 3,277,250, 10–4–66, Cl. 200—46.

Ivanchich, Peter G., to Ford Motor Co. Synchronizer clutch assembly. 3,247,937, 4–26–66, Cl. 192—53.

Ivanchich, Peter G., to Ford Motor Co. Synchronizer clutch assembly. 3,270,843, 9–6–66, Cl. 192—53.

Ivanchich, Peter G., to Ford Motor Co. Shift linkage for manually controlled power transmission mechanism. 3,292,-442, 12–20–66, Cl. 74—335.

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Iverson, Elizabeth M., H. E. Pohl, and C. E. Workman, to General Mills Inc. One-coat marbleizing process. 3,230,284, 1–18–66, Cl. 264—73.

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Ives, Cyril G., and T. R. Mills. Paving breaker steel. 3,258,295, 6–28–66, Cl. 299—94.

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Ives, Norton C., and W. E. Pfeiffer, to George A. Rolfes Co. Drying apparatus and method. 3,257,733, 6–28–66, Cl. 34—12.

Ives, Robert S., to G. S. Worcester. Remoistenable adhesive sheet. 3,271,228, 9–6–66, Cl. 161—151.

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Ivie, James O. Automatic sampling device. 3,245,269, 4–12–66, Cl. 74—3.54.

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Ivins, Herbert L., to Square D Co. Spring charging mechanism for a circuit breaker. 3,289,790, 12–6–66, Cl. 185—39.

Ivins, Lawrence E., to Ex-Cell-O Corp. Boring machine. 3,279,285, 10–18–66, Cl. 77—1.

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Ivory, Henry V., and K. Vogel, to Boorum & Pease Co. Loose leaf binder. 3,285,251, 11–15–66, Cl. 129—25.

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Iwata Tosoki Kogyo Kabushiki Kaisha: *See*—
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J.R.H. Products & Co. Ltd.: *See*—
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Jablonski, Edward R., to McGraw-Edison Co. Terminal block assembly. 3,239,797, 3–8–66, Cl. 339—172.

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Jablonski, Eugene, and J. A. Redmond, to Westinghouse Electric Corp. Measuring device. 3,254,228, 5–31–66, Cl. 250—235.

Jablonski, Leon C. Multi-color dispensing tube with grooved outlet rollers. 3,240,393, 3–15–66, Cl. 222—94.

Jablonsky, Erich, and H. Wagner, to Aktiengesellschaft Zahnradfabrik Friedrichshafen. Hydraulic power steering system. 3,242,824, 3–29–66, Cl. 91–380.

Jablonsky, Erich, K.-H. Liebert, and H. Wagner, to Zahnradfabrik Friedrichshafen, Aktiengesellschaft. Auxiliary power steering arrangement, especially for motor vehicles. 3,252,380, 5–24–66, Cl. 91—391.

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Jaccard, Gaston, to Sandoz Ltd. Dry cleaning agents for textile materials. 3,272,754, 9–13–66, Cl. 252—161.

Jaccard, René-Phillipe, to S. J. Kaufman. Dispensing system for salt cellars, pots and similar containers. 3,228,569, 1–11–66, Cl. 222—196.3.

Jache, Otto, to Accumulatorenfabrik Sonnenschein G.m.b.H. Lead acid type storage battery. 3,257,237, 6–21–66, Cl. 136—6.

Jachimowicz, Ludwik, to General Cable Corp. Corrosion proof shielding tape for shielding telephone cables. 3,233,036, 2–1–66, Cl. 174—107.

Jachimowicz, Ludwik, to General Cable Corp. Flexible tubing and the manufacture thereof. 3,272,912, 9–13–66, Cl. 174—107.

Jacir, Joseph. Apparatus for cooling liquids. 3,290,867, 12–13–66, Cl. 55—258.

Jack, Clyde A. Winch attachments for driven wheels of automobiles. 3,278,159, 10–11–66, Cl. 254—166.

Jack, David, R. G. W. Spickett, and G. J. Durant, to Smith Kline & French Laboratories. 2-(N-lower alkyl-N-cycloheptyl- and cyclooctylamino)ethyl guanidines. 3,283,003, 11–1–66, Cl. 260—564.

Jack, Kenneth H., and J. A. Winterburn, to The Thermal Syndicate Ltd. Method of tempering by heat treating vitreous silica. 3,228,760, 1–11–66, Cl. 65—32.

Jack, Kenneth H., and J. A. Winterburn, to The Thermal Syndicate Ltd. Method of fine annealing transparent vitreous silica. 3,228,761, 1–11–66, Cl. 65—32.

Jacke, Raymond E., to Reynolds Metals Co. Lined reclosable container having opening and reclosing means. 3,243,098, 3–29–66, Cl. 229—51.

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Jacke, Stanley E. Ultrasonic degasifying device. 3,229,448, 1–18–66, Cl. 55—178.

Jacke, Stanley E., to Branson Instruments, Inc. Ultrasonics. 3,274,033, 9–20–66, Cl. 148—12.9.

Jackel, Arthur P., to Westinghouse Air Brake Co. Counting apparatus. 3,229,168, 1–11–66, Cl. 317—140.

Jackel, Arthur P., to Westinghouse Air Brake Co. Coordination arrangement for telephone and remote control communication over a common channel. 3,268,662, 8–23–66, Cl. 179—2.

Jackel, Arthur P., to Westinghouse Air Brake Co. Code integrity checks for coded remote control systems. 3,287,697, 11–22–66, Cl. 340—146.1.

Jäckering, Günter. Method of comminuting thermoplastic materials. 3,241,774. 3–22–66, Cl. 241—16.

Jackes-Evans Mfg. Co.: *See*—
Jackes, Stanley F., Clemens, and Evanson. 3,237,434.
Jackes, Stanley F., Strano, and Wheeler. 3,270,454.
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Jackes, Stanley F., J. R. Clemens, and C. E. Evanson, to Jackes-Evans Mfg Co. Permutation lock with changeable combination. 3,237,434, 3–1–66, Cl. 70—317.

Jackes, Stanley F., S. Strano, and R. T. Wheeler, to Jackes-Evans Mfg. Co. Fastening apparatus and method. 3,270,545, 9–6–66, Cl. 72—391.

Jacklevich, Anthony F., to Owens-Illinois Co. Carton handling apparatus. 3,244,322, 4–5–66, Cl. 221—297.

Jackley, Donald N.: *See*—
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Jacklin, Roger L., and G. L. Marquart, to Deere & Co. Shift mechanism for change-speed transmission. 3,292,451, 12–20–66, Cl. 74—477.

Jackman, Robert M., and J. L. Allswede, to The Dow Chemical Co. Positioning machine. 3,274,662, 9–27–66, Cl. 29—25.19.

Jackopin, Le Roy G., to The Lubrizol Corp. Phosphorodithioic zinc salt based corrosion inhibiting composition comprising an epoxy resin, acylated polyamine and filler. 3,242,130, 3–22–66, Cl. 260—32.8.

Jacks, Eric: *See*—
Feenan, John, Jacks, and Murphy. 3,288,968.

Jacks, Eric., and C. Rowe, to The English Electric Co. Ltd. Electrical switch lockable in one position. 3,227,831, 1–4–66. Cl. 200—50.

Jacks, Eric, and G. W. Ollerton, to The English Electric Co. Ltd. Cartridge fuse having spacer disc. 3,257,527, 6–21–66, Cl. 200—131.

Jacks, Eric, J. Feenan, and G. W. Ollerton, to The English Electric Co. Ltd. High voltage fuse links having flexibly mounted fuse support. 3,270,168, 8–30–66, Cl. 200—132.

Jacks, Floyd E.: *See*—
Bryla, Theodore N., Jacks, and Hillyer. 3,262,389.

Jacks, John A., Jr., to General Motors Corp. Corrosive vapor test chamber. 3,259,466, 7–5–66, Cl. 23—253.

Jackson, Alfred L., and J. P. Fay, to Ivan Sorvall, Inc. Speed control system for centrifuge motors and the like. 3,262,040, 7–19–66, Cl. 318—327.

Jackson, Andrew, to Jackson Exit Device Corp. Door closer. 3,246,362, 4–19–66, Cl. 16—51.

Jackson, Arnel E., to Radio Corp. of America. Reel spindle. 3,253,796, 5–31–66, Cl. 242—68.3.

Jackson, Arthur R., ¼ to Planomatic Ltd. Planning boards or indicators. 3,259,102, 7–5–66, Cl. 116—133.

Jackson, Avery L. Rake and collector device. 3,264,809, 8–9–66, Cl. 56—400.12.

Jackson, Beal S. Straight and curved bearing puller. 3,274,675, 9–27–66, Cl. 29—267.

Jackson, Billy G.: *See*—
Morin, Robert B., and Jackson. 3,275,626.

Jackson, Byron, Inc.: *See*—
Burstall, William M. 3,272,038.
Catland, Alfred C. 3,261,241.

Jackson, Carey B.: *See*—
Burke, Oliver W., Jr., and Jackson. 3,250,594.
Burke, Oliver W., Jr., and Jackson. 3,256,068.
Burke, Oliver W., Jr., and Jackson. 3,281,210.

Jackson, Carey B., to Scott Aviation Corp. Process for preparing superoxides. 3,291,567, 12–13–66, Cl. 23—187.

Jackson, Carl F.: *See*—
Cobb, Edward S., and Jackson. 3,262,177.

Jackson, Charles E., to General Dynamics Corp. Variable airfoil high-lift slat and slot for aircraft. 3,273,826, 9–20–66, Cl. 244—42.

Jackson, Charles H., to Hi-Shear Corp. Zirconium composition with potassium perchlorate and graphite. 3,291,665, 12–13–66, Cl. 149—42.

Jackson, Dale E.: *See*—
Hungerbord, Albert O., and Jackson. 3,265,556.

Jackson, Donald L., to Sylvania Electric Products Inc. Lighting fixture. 3,272,978. 9–13–66, Cl. 240—78.

Jackson, Donald M., to FMC Corp. Swivel pipe joint and seal assembly therefor. 3,241,866, 3–22–66, Cl. 285—98.

Jackson, Donald M., to FMC Corp. Fluid coupling. 3,290,068, 12–6–66, Cl. 285—276.

Jackson, Donald R. P., to The Molins Organisation Ltd. Feeding of webs of material. 3,250,659, 5–10–66, Cl. 156—519.

Jackson, Earl C., to Magic Servant Products Co. Burner assembly. 3,231,201, 1–25–66, Cl. 239—399.

Jackson, Elmer W., Jr., to Bebco Experimental & Mfg. Co. Camp trailer support jacks. 3,256,032, 6–14–66, Cl. 296—23.

Jackson Exit Device Corp.: *See*—
Jackson, Andrew. 3,246,362.

Jackson, Frank: *See*—
Barak, Montefiore, Peters, and Jackson. 3,228,796.

Jackson, Frank H.: *See*—
Tuttle, Clifton M., and Jackson. 3,282,183.

Jackson, Fred D., 16⅔% each to G. Griffin, Sr., G. Griffin, Jr., and L. Old. Automatic variable ratio transmission. 3,262,336, 7–26–66, Cl. 74—751.

Jackson, Fred H., to Wood Conversion Co. Tiltable furniture for rolling and caster means therefor. 3,259,432, 7–5–66, Cl. 297—354.

Jackson, George R., and P. J. McCauley, to Mohr Lino-Saw Co. Automatic magazine control mechanism for linecasting machines. 3,291,291, 12–13–66, Cl. 199—16.

Jackson, George W.: *See*—
Pribonic, John F., and Jackson. 3,285,281.

Jackson, George W., to General Motors Corp. Garage door operator. 3,252,503, 5–24–66, Cl. 160—193.

Jackson, George W., to General Motors Corp. Fluid supply system. 3,253,775, 5–31–66, Cl. 230—52.

Jackson, George W., to General Motors Corp. Fluid control valve. 3,276,476, 10–4–66, Cl. 137—627.5.

Jackson, George W., to General Motors Corp. Vehicle suspension system. 3,285,617, 11–15–66, Cl. 280—6.

Jackson, George W., and P. J. Long, Jr., to General Motors Corp. Fluid control valve. 3,269,418, 8–30–66, Cl. 137—627.5.

Jackson, Glenn W.: *See*—
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Jackson, Harold: *See*—
Boxer, Theodore, Jackson, Nelson, Robison, and Weisman. 3,244,011.

Jackson, Harold E., to Petrol Injection Ltd. Fluid metering devices. 3,283,771, 11–8–66, Cl. 137—85.

Jackson, Harold E., ½ to Petrol Injection Ltd. Fuel injection systems. 3,285,233, 11–15–66, Cl. 123—139.

Jackson, Harold E., and P. W. Stripp, to Tecalemit (Engineering) Ltd. Fluid filters. 3,229,818, 1–18–66, Cl. 210—457.

Jackson, Harold E., and T. F. Moss, to Imperial-Eastman Corp. Flexible tubes and the manufacture thereof. 3,233,024, 2–1–66. Cl. 264—173.

Jackson, Harold E., and D. R. Dean, to Tecalemit (Developments) Ltd. Liquid fuel burners. 3,280,883, 10–25–66, Cl. 158—28.

Jackson, Harold P., to Ideal Industries, Inc. Textile coiler tube gear mounting. 3,271,826, 9–13–66, Cl. 19—159.

Jackson, Herbert G.: *See*—
Storrs, Charles D., Clark, and Jackson. 3,249,641.

Jackson, James G., to Solar Projection Screens Ltd. High light reflecting screens. 3,263,561, 8–2–66, Cl. 88—28.9.

Jackson, James H. Device for suspending forms from structural beams. 3,286,972, 11–22–66, Cl. 249—24.

Jackson, John A., to E. K. Cole, Ltd. Control apparatus. 3,260,378, 7–12–66, Cl. 214—1.6.

Jackson, John G., to Well Completions Inc. Method for minimizing the occurrence of fires during well drilling operations. 3,286,778, 11–22–66, Cl. 175—69.

Jackson, John G., and C. O. Vail, to Gas Drilling Services Co. Method and apparatus for changing single drill pipe strings to dual drill pipe strings. 3,273,660, 9–20–66, Cl. 175—57.

Jackson, John K., and A. Silver, to The Garrett Corp. Gas turbine fuel system. 3,252,283, 5–24–66, Cl. 60—39.28.

Jackson, John W.: *See*—
Danby, Gordon T., and Jackson. 3,284,744.

Jackson, Kenneth E.: *See*
Bitting, Russell D., Koch, and Jackson. 3,276,870.

Jackson, Leslie K., to Rusco Industries, Inc. Support socket and removable leg for bedframes, tables or similar articles. 3,276,732, 10–4–66, Cl. 248—188.

Jackson, Maurice R.: *See*—
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Jackson, Mildred J. Sealing means. 3,235,165, 2–15–66, Cl. 229—51.

Jackson, Mildred J. Tree disposal device. 3,249,140, 5–3–66, Cl. 150—52.

Jackson, Mildred J. Alarm clock electrically connected to telephone bell. 3,294,910, 12–27–66, Cl. 179—2.

Jackson, Norman C., to The Standard Products Co. Weather strip structures. 3,266,190, 8–16–66, Cl. 49—489.

Jackson, Paul D.: *See*—
Anderson, Donald V., and Gillman. 3,256,556.

Jackson, Richard S.: *See*—
De Shazor, James C., Jr., Burk, and Jackson. 3,245,196.

Jackson, Richard W.: *See*—
Weber, Joseph A., and Jackson. 3,277,991.

Jackson, Richard W., to Weber Marking Systems, Inc. Movable table structure for stencil cutting device. 3,277,990, 10–11–66, Cl. 197—6.4.

Jackson, Robert C., W. A. Florac, and W. D. Winger, to International Business Machines Corp. Dividing computer. 3,239,654, 3–8–66, Cl. 235—159.

Jackson, Ronald E. Convertible article of furniture. 3,267,879, 8–23–66, Cl. 108—11.

Jackson, Samuel, Mfg. Corp.: *See*—
Jackson, Samuel G., and Pond. 3,270,279.

Jackson, Samuel G., and O. W. Pond, to Samuel Jackson Mfg. Corp. Method and apparatus for determining the moisture content of cotton by sampling with a suction. 3,270,279, 8–30–66, Cl. 324—61.

Jackson, Squire R., and G. S. Cooper, to Joseph Lucas (Industries) Ltd. Liquid fuel combustion apparatus, for jet-propulsion engines, gas turbines, or other prime movers. 3,232,054, 2–1–66, Cl. 60—39.74.

Jackson, Steve M., and E. L. Carnes, Jr. Refuse disposal apparatus. 3,277,850, 10–11–66, Cl. 111—14.

Jackson, Steven B., and D. E. Wheeler, to The Fluor Corp., Ltd. Process for the liquefaction of natural gas. 3,254,495, 6–7–66, Cl. 62—12.

Jackson, Stuart P., to Solidstate Controls, Inc. Magnetic amplifier. 3,273,071, 9–13–66, Cl. 330—8.

Jackson, Thomas, and A. McPherson, to Associated Electrical Industries Ltd. Process of and apparatus for electrophoretically coating a selected portion of an electrically conducting member. 3,254,004, 5–31–66, Cl. 204—15.

Jackson, Thomas J. Safety rigging for roofers. 3,237,717, 3–1–66, Cl. 182—3.

Jackson, Thomas M.: *See*—
Ash, Eric A., Sell, Jackson, and Vinton. 3,273,085.

Jackson, Vibrators, Inc.: *See*—
Derler, Charles J., and Applegate. 3,270,690.

Jackson, Viola: *See*—
Burleson, Louis J., and Arnold. 3,295,124.

Jackson, Walter B.: *See*—
Moates, Guy H., Jackson, and Kennedy. 3,243,266.

Jackson, Warren, Jr., to The Standard Oil Co. Facility location computer. 3,256,427, 6–14–66, Cl. 235—184.

Jackson, Wendell T.: *See*—
Webb, Wells A., and Jackson. 3,226,928.

Jackson, Wilbur E., and H. C. Braucksiek, to Robertshaw Controls Co. Thermostatic control device for normal and abnormal conditions. 3,286,923, 11–22–66, Cl. 236—21.

Jackson, Wilbur F.: *See*—
Freeby, Le Roy W., and Jackson. 3,275,035.

Jackson, Wilbur F., and J. W. Wright, to Robertshaw Controls Co. Burner control apparatus. 3,282,325, 11–1–66, Cl. 158—129

Jackson, Wilbur F., and H. C. Braucksiek, to Robertshaw Controls Co. Electric terminal. 3,286,216, 11–15–66, Cl. 339—89.

Jackson, William F., to Hart Chemical Corp. Curative treatment of domestic animals. 3,265,569, 8–9–66, Cl. 167—53.

Jackson, William L., to Dunlop Tire and Rubber Corp. Flexible elastomeric articles and reinforcement therefor. 3,243,338, 3–29–66, Cl. 161—58.

Jackson, Winston J., Jr.: *See*—
Caldwell, John R., and Jackson. 3,251,803.
Caldwell, John R., and Jackson. 3,254,047.
Caldwell, John R., and Jackson. 3,236,816.
Caldwell, John R., and Jackson. 3,258,356.
Caldwell, John R., and Jackson. 3,272,870.
Caldwell, John R., and Jackson. 3,287,442.
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Perry, Kenneth P., Jackson, and Caldwell. 3,274,156.

Jackson, Winston J., Jr., and J. R. Caldwell, to Eastman Kodak Co. Polycarbonates of bisphenols. 3,248,364, 4–26–66. Cl. 260—47.

Jacob, Andrew E., to General Cable Corp. Spindle reel lock. 3,294,337, 12–27–66, Cl. 242—68.3.

Jacob, Carl N., to National Distillers and Chemical Corp. Polyolefins stabilized with bisphenols and organic phosphites containing mercapto groups. 3,294,736, 12–27–66, Cl. 260—45.95.

Jacob, Don M.: *See*—
Graves, Ross E., Jacob, and Sacks. 3,245,077.

Jacob, Don M., to T.R.W. Inc. Unambiguous range radar system. 3,264,644, 8–2–66, Cl. 343—12.

Jacob, Don M., to TRW Inc. Continuous wave angle and range determining radar. 3,290,677, 12–6–66, Cl. 343—10.

Jacob, Joseph. Aerosol spray device for insecticides, fertilizers, and the like. 3,247,655, 4–26–66, Cl. 56—255.

Jacob, Mark I., to Westinghouse Electric Corp. High efficiency linear amplifier system. 3,248,663, 4–26–66, Cl. 330—124.

Jacob, Robert M., and J. G. Robert, to Rhone Poulenc S.A. Phenthiazine derivatives. 3,240,779, 3–15–66, Cl. 260—243.

Jacob, Walter E. W., to Telefonaktiebolaget L M Ericsson. Transformer with a carefully adjusted primary inductance. 3,230,488, 1–18–66, Cl. 336—170.

Jacob, Walter E. W., to Telefonaktiebolaget L M Ericsson. Arrangement at pulse controlled electronic switches. 3,231,752, 1–25–66, Cl. 307—88.5.

Jacob, Walter E. W., to Telefonaktiebolaget L M Ericsson. Insulation and short circuit testing apparatus for a pulse communication system. 3,235,676, 2–15–66, Cl. 179—175.2.

Jacob, Werner: *See*—
Schaeffler, Georg, Jacob, and May. 3,228,088.

Jacob, Werner, to Industriewerk Schaeffler oHG. Joint connection for endless tracks. 3,279,868, 10–18–66, Cl. 305—59.

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Bergman, Anders K., and Jacobaeus. 3,238,305.

Jacobellis, Alphonse A. Piston accumulator seal. 3,268,235, 8–23–66, Cl. 277—165.

Jacobellis, Alphonse A., to Security National Bank of Long Island. Filter for check valve. 3,275,145, 9–27–66, Cl. 210—136.

Jacobi, Arno M., to Walter Jacobi & Sons, Inc. Book compartment construction for chapel pews and the like. 3,254,931, 6–7–66, Cl. 312—235.

Jacobi, Arno M., to Walter Jacobi & Sons, Inc. Swingable support device. 3,273,938, 9–20–66, Cl. 297—426.

Jacobi, Ernst: *See*—
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Ringkamp, Donald L., Thompson, and Jacobi. 3,229,685.

Jacobi, Walter & Sons, Inc.: *See*—
Jacobi, Arno M. 3,254,931.
Jacobi, Arno M. 3,273,938.

Jacobowsky, Armin, to Knapsack Aktiengesellschaft. Process for drying vinyl chloride. 3,267,644, 8–23–66, Cl. 55—33.

Jacobs, Albert J., to E. J. Carline. Rotary piston pump with single chamber. 3,291,063, 12–13–66, Cl. 103—132.

Jacobs, Albert L.: *See*—
Rose, William B., and Spector. 3,279,990.

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Plumat, Emile, Eloy, and Jacobs. 3,237,929.

Jacobs, Alfred D. Platform means with adjustable companion units. 3,265,156, 8–9–66, Cl. 182—113.

Jacobs, Alfred G., to Madison Dental Co. Protective mouthpiece. 3,236,235, 2–22–66, Cl. 128—136.

Jacobs, Arthur. License plate holder. 3,274,723, 9–27–66, Cl. 40—209.

Jacobs, Arthur W. Automatic sprinkler control system and components thereof. 3,241,767, 3–22–66, Cl. 239—66.

Jacobs, Charles T. Volume expansion for audio frequency amplifiers. 3,246,253, 4–12–66, Cl. 330—152.

Jacobs, Cornelis J.: *See*—
Wilm, August L. M., Jacobs, and Horvath. 3,227,989.

Jacobs, Edward H., to General Electric Co. Shoe polisher power handle. 3,251,085, 5–17–66, Cl. 15—23.

Jacobs, Egon. Index device. 3,282,268, 11–1–66, Cl. 129—15.

Jacobs, Fred, to I. W. Air Conditioning Co., Inc. Air conditioner. 3,235,000, 2–15–66, Cl. 165—50.

Jacobs, George L.: *See*—
Blumenfeld, Martin A., D'Alessandro, and Jacobs. 3,247,080.

Jacobs, Hans. X-ray tube power supply having a condenser and/or rectifier in the primary circuit. 3,294,973, 12–27–66, Cl. 250—98.

Jacobs, Harold, to United States of America, Army. Tunnel-emission triodes. 3,242,396, 3–22–66, Cl. 317—235.

Jacobs, Heinz, to Industrie-Companie Kleinewefers Konstruktions- und Handelsgesellschaft m.b.H. Recuperator having a gas channel in whose central portion are disposed heat-absorbing, air-conducting recuperator pipes. 3,227,209, 1–4–66, Cl. 165—145.

Jacobs, Heinz, to Industrie-Companie Kleinewefers Konstruktions- und Handelsgesellschaft m.b.H. Recuperator for flue gases containing sinterable dusts. 3,233,664, 2–8–66, Cl. 165—134.

Jacobs, Heins. Recuperator with helical coils. 3,247,831, 4–26–66, Cl. 122—250.

Jacobs, Heinz, to Industrie-Companie Kleinewefers Konstruktions- und Handelsgesellschaft m.b.H. Hanging recuperator with adjustable stop for thermal expansion. 3,289,755, 12–6–66, Cl. 165—145.

Jacobs, Henry W.: *See*—
Horning, Clark S., and Jacobs. 3,239,061.

Jacobs, Irving, to Washing Machine Research and Development Co. Ltd. Washing machines. 3,226,961, 1–4–66, Cl. 68—139.

Jacobs, Irving, to The Washing Machine Research and Development Co. Ltd. Washing machines. 3,230,748, 1–25–66. Cl. 68—140.

Jacobs, James W., to General Motors Corp. Domestic clothes drying appliance. 3,242,584, 3–29–66, Cl. 34—37.

Jacobs, James W., to General Motors Corp. Apparatus for reclaiming solvent from used filter cartridges. 3,242,589, 3–29–66, Cl. 34—133.

Jacobs, James W. to General Motors Corp. Refrigerating apparatus. 3,246,593, 4–19–66, Cl. 98—94.

Jacobs, James W., to General Motors Corp. Manually actuatable ice maker. 3,247,682, 4–26–66, Cl. 62—344.

Jacobs, James W., to General Motors Corp. Method including the preventing of bulging of the walls enclosing a space during the molding in situ of foamable plastic materials. 3,265,783, 8–9–66, Cl. 264—45.

Jacobs, James W., to General Motors Corp. Method for the manufacture of a foam insulated cabinet wherein the cabinet is cooled during the molding to prevent bulging. 3,265,784, 8–9–66, Cl. 264—45.

Jacobs, James W., to General Motors Corp. Method of making a heat exchanger. 3,266,128, 8–16–66, Cl. 29—157.3.

Jacobs, James W., to General Motors Corp. Plural compartment dishwasher with sanitary pump. 3,288,154, 11–29–66, Cl. 134—58.

Jacobs, James W., to General Motors Corp. Method for making polyurethane foam. 3,294,879, 12–27–66, Cl. 264—26.

Jacobs, James W., J. Smilack, and I. L. Gould, to General Motors Corp. Dry cleaner with refrigerated solvent reclaiming system. 3,290,793, 12–13–66, Cl. 34—76.

Jacobs, John E., to Northwestern University. Ultrasound visualization systems. 3,236,944, 2–22–66, Cl. 178—6.8.

Jacobs, John H.: *See*—
Robinson, Charles F., and Jacobs. 3,230,089.

Jacobs, John H., to Consolidated Electrodynamics Corp. Photographic element for dry processing. 3,248,219, 4–26–66, Cl. 96—76.

Jacobs, Joseph J., and D. R. Basco, to Allis-Chalmers Mfg. Co. Extraction connection for double casing machine. 3,273,510, 9–20–66, Cl. 103—111.

Jacobs, Kenneth H., J. Pinsky, and P. Rosenberg, to United States of America, Army. Apparatus for determining the burning rates of solid rocket propellants. 3,267,721, 8–23–66, Cl. 73—35.

Jacobs, Lester O., to Jennings Radio Mfg. Corp. Hermetically sealed switch with tubular dielectric portions united to a relatively larger metallic intermediate vapor condensing portion. 3,231,704, 1–25–66, Cl. 200—144.

Jacobs, Lewis W.: *See*—
Galante, George L., Jacobs, and Sabatella. 3,278,807.

Jacobs, Lewis W., and R. J. Sabatella, to General Electric Co. Panelboard and circuit breaker. 3,287,607, 11–22–66, Cl. 317—119.

Jacobs, Louis J., to The S. Obermayer Co. Plastic refractory compositions. 3,285,763, 11–15–66, Cl. 106—67.

Jacobs Mfg. Co., The: *See*—
McCarthy, Donald J., and Havilland. 3,237,955.

Jacobs, Marcellus L. Boat ramp. 3,227,292, 1–4–66, Cl. 214—1.

Jacobs, Philip C., Jr., to The Chase-Shawmut Co. Electric fuse comprising plug terminals having an improved seal and pinning means. 3,250,879, 5–10–66, Cl. 200—132.

Jacobs, Philip C., Jr., to The Chase-Shawmut Co. Midget power fuse having copper-clad support for fusible element. 3,261,951, 7–19–66, Cl. 200—120.

Jacobs, Robert B.: *See*—
Rhodes, Joseph C., and Jacobs. 3,239,432.

Jacobs, Robert C. L.: *See*—
Wahlfeld, James A., and Jacobs. 3,280,889.

Jacobs, Robert L.: *See*—
Atkinson, Jerry T., and Jacobs. 3,244,316.

Jacobs, Sidney: *See*—
Wilkinson, Bernard H., and Jacobs. 3,257,717.

Jacobs, Willi F., to Lockheed Aircraft Corp. Aerial delivery system. 3,276,729, 10–4–66, Cl. 244—137.

Jacobs, William A.: *See*—
Resnick, Joseph Y., Jacobs, and Bracklow. 3,267,842.

Jacobs, William A., to Sun Chemical Corp. Continuous hot forming apparatus. 3,238,565, 3–8–66, Cl. 18—19.

Jacobs, William H., and E. H. Nahikian, to Jet Spray Cooler, Inc. Beverage dispenser. 3,255,609, 6–14–66, Cl. 62—392.

Jacobs, William H., E. H. Nahikian, and A. Armstrong, to Product R & D, Inc. Beverage carbonating and dispensing apparatus. 3,272,380, 9–13–66, Cl. 220—39.

Jacobsen, Edward H., to Fairchild Hiller Corp. Passenger seat and compartment construction. 3,239,167, 3–8–66, Cl. 244—118.

Jacobsen, Edward H., to General Electric Co. Apparatus for producing sonic vibrations at X-band microwave frequencies and higher. 3,258,767, 6–28–66, Cl. 343—5.

Jacobsen, Edward H., to General Electric Co. Apparatus for producing sonic vibrations at X-band microwave frequencies and higher. 3,260,969, 7–12–66, Cl. 333—30.

Jacobsen, Erik C., to Vilhelm Pedersen, A/S. Clicking machine. 3,241,416, 3–22–66, Cl. 83—522.

Jacobsen, Gunter: *See*—
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Jacobsen Mfg. Co.: *See*—
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Jacobsen, Orval E.: *See*—
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Jacobsen, Paul W., to H. G. Weber Co., Inc. Proportional edge alignment control system. 3,240,410, 3–15–66, Cl. 226—3.

Jacobsen, Paul W., to H. G. Weber and Co., Inc. Fluid pressure operated sensing head. 3,243,993, 4–5–66, Cl. 73—37.7.

Jacobsen, Paul W., to H. G. Weber and Co., Inc. Three dimensional web shifting apparatus. 3,254,818, 6–7–66, Cl. 226—3.

Jacobsen, Paul W., to H. G. Weber and Co., Inc. Fluid pressure operated sensing system. 3,260,434, 7–12–66, Cl. 226—15.

Jacobsen, Paul W., to H. G. Weber and Co., Inc. Fluid pressure operated sensing system. 3,260,435, 7–12–66, Cl. 226—15.

Jacobsen, Raymond K. Composite column for precast concrete structures. 3,279,135, 10–18–66, Cl. 52—127.

Jacobsen, Svein: *See*—
Hylten-Cavallius, Nils, Olsson, Faxo, and Jacobsen. 3,292,072.

Jacobson, Aaron S.: *See*—
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Jacobson, Aaron S. Eye shield. 3,276,035, 10–4–66, Cl. 2—13.

Jacobson, Alden H., to The Heald Machine Co. Machine tool. 3,244,029, 4–5–66, Cl. 77—3.

Jacobson, Alden H., F. A. Anderson, and H. W. Ostlund, to The Heald Machine Co. Tool changer. 3,266,141, 8–16–66, Cl. 29—568.

Jacobson, Arvid W.: *See*—
Gray, John W., and Jacobson. 3,286,028.

Jacobson, Bona R.: *See*—
Jacobson, Louis. 3,228,157.

Jacobson, Chester F., to General Electric Co. Switch assembly and circuit for electrically heated bedcovers. 3,246,086, 4–12–66, Cl. 200—5.

Jacobson, Duard S.: *See*—
Fehring, Wendell B., Jacobson, and Shuman. 3,285,541.

Jacobson, Edwin B., to Jervis Corp. Tensioning means for universal remote control structure. 3,247,722, 4–26–66, Cl. 74—501.

Jacobson, Elton J., to Electric Machinery Mfg. Co. Control for variable speed multiple pump systems. 3,279,377, 10–18–66, Cl. 103—11.

Jacobson, Harvey B.: *See*—
Brandon, Clarence W. 3,247,901.
Brandon, Clarence W. 3,285,349.

Jacobson, Harvey O., to Nestor Johnson Mfg. Co. Ice skate construction. 3,279,807, 10–18–66, Cl. 280—11.17.

Jacobson, Herman, and J. E. Adamson, to Prepac, Inc. Reusable hilster package. 3,250,387, 5–10–66, Cl. 206—78.

Jacobson, Howard C., to Northwestern National Bank of Minneapolis. Hammer mill structure. 3,279,707, 10–18–66, Cl. 241—49.

Jacobson, Howard W., to E. I. du Pont de Nemours and Co. Method of coating and bonding refractory-base metal articles. 3,263,325, 8–2–66, Cl. 29—492.

Jacobson, Howard W., W. A. Jenkins, II, C. M. Olson, and O. B. Wilcox, to E. I. du Pont de Nemours and Co. Process for aluminum reduction of metal halides in preparing alloys and coatings. 3,252,823, 5–24–66, Cl. 117—100.

Jacobson, Jerome G., to Westinghouse Electric Corp. Clothes washer. 3,277,742, 10–11–66, Cl. 74—574.

Jacobson, Louis, deceased; by B. R. Jacobson, and C. P. Teller, executors, to Paneline, Inc. Movable partitions. 3,228,157, 1–11–66, Cl. 189—34.

Jacobson, Lyle H.: *See*—
Luther, Martin L., and Jacobson. 3,226,922.

Jacobson, Martin, to Rau Findings Co. Clasps. 3,275,362, 9–27–66. Cl. 292—204.

Jackson, Milton D. Bundle holder for garment pieces. 3,272,464, 9–13–66, Cl. 248—125.

Jacobson, Norman A., to S. C. Johnson & Son. Printing ink vehicles. 3,268,461, 8–23–66, Cl. 260—18.

Jacobson, Norman L.: *See*—
Hartman, Paul A., Jacobson, and Johnson. 3,234,086.

Jacobson, Oscar D., to Bell Telephone Laboratories, Inc. Stepping relay. 3,246,096, 4–12–66, Cl. 200—87.

Jacobson, Peter E.: *See*—
Deehan, Leonard W., and Jacobson. 3,269,199.

Jacobson, Peter E., to Sperry Rand Corp. Clutch responsive to predetermined force. 3,229,793, 1–18–66, Cl. 192—56.

Jacobson, Robert E., to Radiant Mfg. Corp. Projection screen. 3,228,455, 1–11–66, Cl. 160—24.

Jacobson, Robert E., to Radiant Mfg. Corp. Portable projection screen. 3,236,286, 2–22–66, Cl. 160—24.

Jacobson, Robert E., to Radiant Mfg. Corp. Portable projection screen. 3,236,287, 2–22–66, Cl. 160—24.

Jacobson, Robert E., to Radiant Mfg. Corp. Projection screen and method. 3,251,264, 5–17–66, Cl. 88—28.91.

Jacobson, Robert L.: *See*—
Kozlowski, Robert H., and Jacobson. 3,228,993.
Kozlowski, Robert H., and Jacobson. 3,256,175.
Scott, John W., Jr., and Jacobson. 3,268,438.

Jacobson, Robert L., and R. H. Kozlowski, to Chevron Research Co. Hydrodenitrification process and catalysts. 3,227,646, 1–4–66, Cl. 208—254.

Jacobson, Robert L., and R. H. Kozlowski, to Chevron Research Co. Method of preparing a catalyst composition by coprecipitation at a constant pH. 3,227,661, 1–4–66, Cl. 252—465.

Jacobson, S. I., Mfg. Co.: *See*—
Broda, Frank, and Jacobson. 3,236,306.

Jacobson, Walter E., to Revere Corp. of America. Force measuring apparatus. 3,261,204, 7-19-66, Cl. 73—141.

Jacobssen, Einar G. B., to North American Philips Co., Inc. Apparatus for visual investigation of objects by means of photocell. 3,260,851, 7-12-66, Cl. 250—223.

Jacobsson, Folke H. E.: *See*—
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Jacobus, Dwight W., to General Electric Co. Hydraulic ice maker. 3,287,927, 11-29-66, Cl. 62—135.

Jacoby-Bender, Inc.: *See*—
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Brudney, Harry. 3,252,246.
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Jacoby, Edward G., Sr., to Central States Paper & Bag Co. Arm-board for intravenous injections. 3,242,923, 3-29-66, Cl. 128—214.

Jacoby, Frederick J.: *See*—
Nadeau, Gale F., Starck, and Jacoby. 3,271,345.
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Jacoby, George V., to Radio Corp. of America. Tape handling apparatus. 3,250,480, 5-10-66, Cl. 242—55.12.

Jacoby, Gerald B., to General Motors Corp. Vented brake wheel cylinder assembly. 3,274,904, 9-27-66, Cl. 92—99.

Jacoby, Hans, to Gildemeister & Co., AG. Driving arrangement for multiple-spindle machine tools. 3,292,466, 12-20-66, Cl. 82—29.

Jacoby, Harold E. Evaporation system and method. 3,261,392, 7-19-66, Cl. 159—27.

Jacoby, Harold E. Recovering heat from a blow evaporator for use in a surface evaporator. 3,286,763, 11-22-66, Cl. 159—2.

Jacoby, Harry D.: *See*—
Hottenroth, Frederick W., and Jacoby. 3,279,452.

Jacoby, John Z., to Bell Telephone Laboratories, Inc. Magnetic core comparator and memory circuit. 3,239,810, 3-8-66, Cl. 340—146.2.

Jacoby, John Z., to Bell Telephone Laboratories, Inc. Plural channel data transmission system having means for utilizing only the operative channels. 3,253,259, 5-24-66, Cl. 340—147.

Jacoby, Lewis, to Phillips Petroleum Co. Coupling for a thermoplastic liner in a metal conduit. 3,235,291, 2-15-66, Cl. 285—55.

Jacoby, Marvin: *See*—
Schonfeld, Arnold, Jacoby, and Reader. 3,248,052.

Jacoby, Marvin, to Sperry Rand Corp. Binary counter. 3,227,368, 1-4-66, Cl. 235—201.

Jacoby, Marvin, to Sperry Rand Corp. Fluid hammer impression actuating means. 3,263,607, 8-2-66, Cl. 101—407.

Jacoby, Marvin, to Sperry Rand Corp. Fluid memory device. 3,282,503, 11-1-66, 235—201.

Jacoby, Marvin, to Sperry Rand Corp. Magnetic storage disc and drum. 3,290,692, 12-6-66, Cl. 346—74.

Jacomini, Omar J., and P. S. Clark, to General Electric Co. Automatic reading apparatus for plural meters by transmitted coded pulse trains. 3,258,692, 6-28-66, Cl. 324—113.

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Jacquier, Michel, to Compagnie Generale d'Electricite. Electrical strain insulator and method of making same. 3,261,919, 7-19-66, Cl. 174—178.

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Jacquot, Bernard, to Commissariat a l'Energie Atomique. Variable polarization saturable magnetic circuits. 3,255,369, 6-7-66, Cl. 313—63.

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Jacuzzi, Candido. 3,273,560.
Nash, Floyd M. 3,287,741.

Jacuzzi, Candido, to Jacuzzi Bros., Inc. Pump and filter assembly for swimming pool systems. 3,252,575, 5-24-66, Cl. 210—136.

Jacuzzi, Candido, to Jacuzzi Bros. Inc. Hydrotherapy unit. 3,273,560, 9-20-66, Cl. 128—66.

Jadoul, Ernest, to Anciens Etablissements Supli. Transistor amplifiers and thermal enclosure therefor. 3,257,621, 6-21-66, Cl. 330—23.

Jaeger, Herbert K., to The Upjohn Co. β-Carotene process. 3,268,606, 8-23-66, Cl. 260—666.

Jaeger, Joseph M., to Hydrocarbon Research, Inc. High pressure reaction vessel. 3,227,528. 1-4-66, Cl. 23—289.

Jaeger, Joseph M., to Hydrocarbon Research, Inc. Hydrogenation of hydrocarbons. 3,278,420, 10-11-66, Cl. 208—143.

Jaeger, Louis F. Tool box. 3,259,230, 7-5-66, Cl. 206—16.

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Sandvig, Robert L. 3,232,177.
Sandvig, Robert L. 3,232,178.

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Jaeggli, Rudolf, to Rieter Machine Works, Ltd. Device for checking the run of the thread in a draw twisting frame or the like. 3,247,662, 4-26-66, Cl. 57—81.

Jaehne, Gus A. Wrench with multiple telescoping sockets. 3,233,482, 2-8-66, Cl. 81—185.

Jaeken, Jan: *See*—
Willems, Josef F., and Jaeken. 3,245,787.

Jaeken, Jan, to Gevaert Photo-Producten N.V. Production of color photographic images. 3,249,431, 5-3-66, Cl. 96—9.

Jaeken, Jan, and R. L. Janseune, to Gevaert Photo-Producten N.V. Production of color photographic images. 3,245,788, 4-12-66, Cl. 96—9.

Jaeken, Jan, and M. A. deRamaix, to Gevaert Photo-Producten N.V. Process for the preparation of colour images. 3,293,032, 12-20-66, Cl. 96—22.

Jaeschke, Ralph L., to Eaton Mfg. Co. Coupling mechanism. 3,240,969, 3-15-66, Cl. 310—94.

Jaffe, Daniel L., to United States of America, Navy. Hydraulic rotary actuator capable of taking high bending moments. 3,276,332, 10-4-66, Cl. 92—122.

Jaffe, Edward E., to E. I. du Pont de Nemours and Co. Process for oxidizing dihydroquinacridone to quinacridonequinone. 3,251,845, 5-17-66, Cl. 260—279.

Jaffe, Edward E., to E. I. du Pont de Nemours and Co. Process for producing linear quinacridones of small particle size. 3,265,699, 8-9-66, Cl. 260—279.

Jaffe, John C., to Stagecraft Corp. Multi-facet portable acoustic panel structure. 3,232,370, 2-1-66, Cl. 181—30.

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Clifford, Alan F., and Jaffe. 3,284,370.
Hart, Donald J., and Jaffe. 3,233,506.

Jaffe, Joseph, to Monsanto Co. Method of treating exhaust gases of internal combustion engines. 3,253,883, 5-31-66, Cl. 23—2.

Jaffe, Joseph, to Chevron Research Co. Method for making multi-component catalysts. 3,280,040, 10-18-66, Cl. 252—439.

Jaffe, Mary S., to General Electric Co. Matrix for electroluminescent cells. 3,238,407, 3-1-66, Cl. 313—108.

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Bradley, Elihu F., Bartlett, Ogden, and Jaffee. 3,293,068.
Bradley, Elihu F., Bartlett, Ogden, and Jaffee. 3,293,069.

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Jagger, Ernest T., and E. I. Hunter, to George Angus & Co. Ltd. Moulding articles. 3,263,011, 7-26-66, Cl. 264—153.

Jagger, Ernest T., and E. I. Hunter, to George Angus & Co. Ltd. Apparatus for the manufacture of reinforces sealing or packing rings. 3,270,373, 9-6-66, Cl. 18—36.

Jagger, Ernest T., G. W. Halliday, and P. W. Pattison, to George Angus & Co. Ltd. Apparatus for testing lip seals. 3,286,512, 11-22-66, Cl. 73—88.

Jagger, Ernest T., and E. I. Hunter, to George Angus & Co. Ltd. Apparatus for moulding rubber and like articles. 3,290,725, 12-13-66, Cl. 18—2.

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Jahn, Carl M. Wedging detent for waler brackets. 3,235,217, 2-15-66, Cl. 248—205.

Jahn, Carl M. Doweled expansion joint. 3,238,856, 3-8-66, Cl. 94—18.

Jahn, Carl M. Safety stirrup. 3,276,185, 10-4-66, Cl. 54—49.

Jahn, Dale M., to Sperry Rand Corp. Digital computer having time shared arithmetic units respectively for fast and slow computations. 3,283,130, 11-1-66, Cl. 235—164.

Jahn, Gerhard. Spinning reel improvement. 3,254,861, 6-7-66, Cl. 242—84.21.

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Jahn, Martin D., to Chicago Metallic Sash Co. Suspended ceiling construction and runner therefor. 3,242,628, 3-29-66, Cl. 52—573.

Jahn, Martin D., to Chicago Metallic Sash Co. Main runner coupling. 3,288,489, 11-29-66, Cl. 287—189.36.

Jahn, Martin D., to Chicago Metallic Sash Co. Interlocking runner connection. 3,290,075, 12-6-66, Cl. 287—189.36.

Jahn, Rudolf: *See*—
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Jahnig, Charles E.: *See*—
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Metraller, William J., and Jahnig. 3,280,021.

Jahnig, Charles E., and E. J. Gornowski, to Esso Research and Engineering Co. Calcining fluid coke. 3,284,317, 11-8-66, Cl. 201—17.

Jahnke, Heinz K., to The Upjohn Co. Process for crystallizing actinospectacin free base. 3,269,907, 8-30-66, Cl. 167—65.

Jahnke, Heinz K., to The Upjohn Co. Process for crystallizing actinospectacin sulfate. 3,279,989, 10-18-66, Cl. 167—65.

Jahnke, Richard W.: *See*—
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Jährig, Siegfried, to Siemens-Schuckertwerke Aktiengesellschaft. Tube coupling. 3,249,369, 5-3-66, Cl. 285—53.

Jahrstorfer, Michael, K. Schmeidl, G. Staiger, and L. Vogel, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of emulsifiable waxes. 3,278,513, 10-11-66, Cl. 260—94.9.

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Jakob, Franz: *See*—
Biedermann, Klaus, Jakob, Kubitsek, and Simson. 3,274,913.
Biedermann, Friedrich, Fauth, Jakob, Simson, and Esdirlieski. 3,274,914.

Jakob, Franz, to Agfa Aktiengesellschaft. Flash assembly for cameras and the like. 3,263,068, 7-26-66, Cl. 240—1.3.

Jakob, Franz, to Agfa Aktiengesellschaft. Cameras with built-in dash assemblies. 3,273,479. 9-20-66, Cl. 95—11.

Jakob, Franz, and K. Wagner, to Agfa Aktiengesellschaft. Flash device for cameras. 3,252,394. 5-24-66, Cl. 95—11.

Jakob, Franz, and J. Spatz, to Agfa Aktiengesellschaft. Objective-focusing apparatus. 3,270,647. 9-6-66, Cl. 95—44.

Jakob, Fritz, to Gesellschaft fur Linde's Eismaschinen Aktiengesellschaft Zweigniederlassung Hollriegelskreuth. Gas separation process and apparatus. 3,251,189, 5-17-66, Cl. 62—13.

Jakob, Fritz, to Gesellschaft fur Linde's Eismaschinen Aktiengesellschaft. Process and apparatus for separating gaseous mixtures by low-temperature rectification. 3,258,930, 7-5-66. Cl. 62—29.

Jakob, Fritz, to Linde Aktiengesellschaft. Method and apparatus for the separation of gas mixtures. 3,264,831, 8-9-66, Cl. 62—13.

Jakob, Fritz, to Linde Aktiengesellschaft. Method and apparatus for low-temperature separation of gases. 3,267,684. 8-23-66, Cl. 62—29.

Jakob, Herbert E. Fuel injection system for an internal combustion engine. 3,258,254, 6-28-66, Cl. 261—36.

Jakob, Horst, to Societe Francaise de Fermetures de Luxe. Automatic machine for assembling the slider components of zipper fasteners. 3,234,635, 2-15-66, Cl. 29—208.

Jakobson, Hans, to Lumoprint Zindler K.G. Microfilm camera arrangements. 3,292,487, 12-20-66, Cl. 88—24.

Jakobson, Kurt: *See*—
McGrew, John W., and Jakobson. 3,264,219.

Jakosky, Milton. Expandable cargo compartment for a vehicle. 3,233,936, 2-8-66, Cl. 296—76.

Jakowatz, Charles V., to General Electric Co. Self-adapting neuron. 3,273,125, 9-13-66, Cl. 340—172.5.

Jakowchuk, Walter, to Mead Specialties Co., Inc. Impulse valve. 3,246,663, 4-19-66, Cl. 137—102.

Jakubowski, Henry T.: *See*—
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Jalbert, Domina C., to Space Recovery Research Center, Inc. Multi-cell wing type aerial device. 3,285,546, 11-15-66, Cl. 244—145.

Jallo, Floyd C. Straight line flow paper trimming method and apparatus. 3,238,824, 3-8-66, Cl. 83—23.

Jamba, Theodore F. Folding auto tent. 3,228,406, 1-11-66, Cl. 135—4.

James, Claire L., and R. L. Nelson, to Eastman Kodak Co. Automatic searching film reader. 3,290,987, 12-13-66, Cl. 88—24.

James, Cullen E.: *See*—
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Neuschotz, Robert, and James. 3,270,792.

James, David W., to Ford Motor Co. Impeller. 3,246,607, 4-19-66. Cl. 103—114.

James, Dennis B., and R. A. Kaenel, to Bell Telephone Laboratories, Inc. Information processing circuit. 3,234,545, 2-8-66, Cl. 340—347.

James, Dennis B., and F. W. Mounts, to Bell Telephone Laboratories, Inc. Synchronization of decoder systems based on message wave statistics. 3,241,067, 3-15-66, Cl. 325—41.

James, Earl G., Jr., to Hercules Powder Co. Method of treating polypropylene film. 3,245,896, 4-12-66, Cl. 204—168.

James, Forrest H., Jr., E. H. Cockrell, and T. D. Nixon, to Diversified Products Corp. Dispenser. 3,270,390, 9-6-66, Cl. 25—41.

James, Frank E., Jr., to Standard Oil Co. Naphthalene preparation and recovery process. 3,256,356, 6-14-66, Cl. 260—672.

James, Franklin W.: *See*—
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James, Gene L., to The Magnavox Co. Adjustable tire pressure sensing switch which is easily tested for proper operation. 3,268,678, 8-23-66, Cl. 200—61.22.

James, George R.: *See*—
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James, George R., to Chemical Construction Corp. Method of producing hydrogen from a carbon monoxide-containing gas stream and heat recovery. 3,292,998, 12-20-66, Cl. 23—213.

James, George R., and P. Korwin, to Chemical Construction Corp. Apparatus for reforming synthesis gas. 3,262,758, 7-26-66, Cl. 23—288.

James, Harry A., to The Ryan Aeronautical Co. Propulsion unit with vectored thrust control. 3,260,476, 7-12-66, Cl. 244—7.

James, Harry A., to The Ryan Aeronautical Co. Double delta flexible wing. 3,273,828, 9-20-66, Cl. 244—43.

James, Howell N., to International Harvester Co. Corn husk agitator. 3,279,601, 10-18-66, Cl. 209—99.

James, Ivanhoe J. P., to Electric & Musical Industries Ltd. Colour television receivers. 3,246,078, 4-12-66, Cl. 178—5.4.

James, Ivanhoe J. P., to Electric & Musical Industries Ltd. Colour television system including means for separately deriving the luminance component. 3,281,528, 10-25-66, Cl. 178—5.4.

James, Ivanhoe J. P., and W. A. Karwowski, to Electric & Musical Industries Ltd. Color television systems utilizing a true luminance signal. 3,272,916, 9-13-66, Cl. 178—5.4.

James, Ivanhoe J. P. and H. G. Lubszynski, to Electric & Musical Industries Ltd. Colour television camera arrangements. 3,284,566, 11-8-66, Cl. 178—5.4.

James, Ivanhoe J. P., and D. G. Perkins, to Electric & Musical Industries Ltd. Television camera including means for varying the depth of focus. 3,288,921, 11-29-66, Cl. 178—5.4.

James, Jimmie, to Rockwell-Standard Corp. Seat back adjustment. 3,237,987, 3-1-66, Cl. 297—374.

James, Jimmie, to Rockwell-Standard Corp. Adjustable seat structure. 3,253,814, 5-31-66, Cl. 248—430.

James, John B.: *See*—
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James, John B., to International Computers and Tabulators Ltd. Data processing apparatus. 3,231,874, 1-25-66, Cl. 340—174.

James, John C.: *See*—
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James, John C., to Monsanto Research Corp. Process for mercaptoalkylating amines. 3,231,617, 1-25-66, Cl. 260—583.

James, John F., to The Marconi Co. Ltd. Focus compensating circuit for television camera tubes. 3,295,009, 12-27-66, Cl. 315—8.

James, John W.: *See*—
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James, Lawrence A. Alignment apparatus for a skip hoist bucket. 3,227,245, 1-4-66, Cl. 187—96.

James Mfg. Co., Inc.: *See*—
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James, Owen W., and E. P. Waters, to Bethlehem Steel Corp. Apparatus for obtaining improved finishes on double reduced material. 3,277,686, 10-11-66, Cl. 72—201.

James, Paul L. Sewing apparatus. 3,233,570, 2-8-66, Cl. 112—216.

James, Raymond H.: *See*—
Marks, George E., and James. 3,263,098.

James, Robert C., D. A. Wilson, and F. E. Pringle, Jr., to Hayssen Mfg. Co. Method of and apparatus for packaging units in a preservative atmosphere. 3,274,746, 9-27-66, Cl. 53—22.

James, Robert E., to Shunk Mfg. Co., Inc. Coil skid. 3,291,073, 12-13-66, Cl. 105—367.

James, Robert L., to The Bendix Corp. Control circuit for a low-noise silicon controlled rectifier servo drive. 3,259,825, 7-5-66, Cl. 318—341.

James, Trevor N., and J. A. Payne, to The Budd Co. Brake proportioning valve. 3,245,221, 4-12-66, Cl. 60—54.5.

James, William A., and J. J. Wallace, to The Sherwin-Williams Co. Display device. 3,275,159, 9-27-66, Cl. 211—49.

James, William G.: *See*—
Edwards, George J., and James. 3,253,179.

Jamesbury Corp.: *See*—
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Jameson, Gary O.: *See*—
De Groat, Philip M., and Jameson. 3,234,381.

Jameson, Howard L., to Harry W. Dietert Co. Sampling mechanism. 3,239,199, 3-8-66, Cl. 259—43.

Jameson, James J.: *See*—
Black, James B., Jameson, and Snoy. 3,259,218.

Jameson, Paul. Multiple spindle drill. 3,288,182, 11-29-66, Cl. 144—110.

Jameson, Robert Q. Variable course approach computer. 3,262,640, 7-26-66, Cl. 235—78.

Jameson, William M., to Permaglass, Inc. Method for edge sealing safety glass. 3,281,296, 10-25-66, Cl. 156—104.

Jameson, William P.: *See*—
Eisenberg, Robert M., and Jameson. 3,278,670.

Jameston, Richard A., and R. A. Eversole, to Cargill, Inc. Lecithin composition. 3,257,331, 6–21–66, Cl. 252—363.5.

Jamet, Bernard, to Societe Industrielle Triplex. Method and apparatus for producing a laminated glazing assembly. 3,284,263, 11–8–66, Cl. 156—286.

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Jamnik, Fridolin, and A. Pelzl, to Moosbrunner Glasfabriks-Aktiengesellschaft. Equipment for exact shaping especially by bending of continuously produced glass bands under simultaneous all over rolling friction. 3,248,198, 4–26–66, Cl. 65—245.

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Jaremus, Boubene M., T. Nieter, and C. E. Rufer, to Borg-Warner Corp. Module technique. 3,247,578, 4–26–66, Cl. 29—155.5.

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Jaskowiak, Frank T., to A. O. Smith Corp. Flexible unidirectional body mount. 3,250,565, 5–10–66, Cl. 296—35.
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Jasperson, Robert E., to Trident Engineering Associates, Inc. Self-contained guidance system. 3,281,094, 10–25–66, Cl. 244—14.
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Jass, Herman E., and I. Ugelow, to Revlon Research Center, Inc. Fluid applicators. 3,242,522, 3–29–66, Cl. 15—572.
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Jaulmes, Eric, to Ateliers de la Motobecane. Collapsible vehicle. 3,278,221, 10–11–66, Cl. 296—27.
Jaulmes, Eric, to Ateliers de la Motobecane. Collapsible vehicle. 3,284,129, 11–8–66, Cl. 296—27.
Jaunin, Roland, and P. Zeller, to Hoffmann-La Roche Inc. N-tetrazole, triazole and oxadiazol-benzyl-N'-methyl-hydrazines and intermediates therefor. 3,258,465, 6–28–66, Cl. 260—307
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Javaux, Gustave, to Glaverbel. Process and apparatus for manufacturing a fire-polished glass strip. 3,260,585, 7–12–66, Cl. 65—65.
Javaux, Gustave. Glass processing apparatus including a reciprocating roller. 3,275,429, 9–27–66, Cl. 65—185.
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Javorsky, Bronislav S., and A. L. Andersson, to Celleco, Aktiebolaget. Treatment of material in a bed of inert particles. 3,261,661, 7–19–66, Cl. 23—1.
Javorsky, Charles A., and J. S. Howe, to United States of America, Atomic Energy Commission. Columbium brazing alloy. 3,239,334, 3–8–66, Cl. 75—175.5.
Jaworski, Ernest G., to Monsanto Co. Dihydroquinolines activated with sulfur containing aminoacids. 3,279,921, 10–18–66, Cl. 99—2.
Jaworski, Ernest G., to Monsanto Co. Dihydroquinolines activated with substituted aalines. 3,279,922, 10–18–66, Cl. 99—2.
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Jeanne, Armand L., to Bell Telephone Laboratories, Inc. Wire spring relay with improved means for determining contact force. 3,290,629, 12–6–66, Cl. 335—133.
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Jeanneret, Jules L. Apparatus for the speedy positioning of multiple tools on the transverse carriage of a lathe. 3,238,630 3–8–66, Cl. 33—185.
Jeanneret, Jules L. Cutting tool apparatus. 3,259,960, 7–12–66, Cl. 29—96.
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Jeger, Oskar, and K. Schaffner, to Ciba Corp. 9β,19-cyclo sterolds of the pregnane and androstane series. 3,250,765, 5–10–66, Cl. 260—239.55.
Jeger, Oskar, and K. Schaffner, to Ciba Corp. 10α-steroids and process for their manufacture. 3,264,328, 8–2–66, Cl. 260—397.3.
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Jekat, Walter K., D. E. Chubb, and B. O. G. Hugoson, to Worthington Corp. Single stage centrifugal compressor refrigeration system. 3,226,940, 1–4–66, Cl. 62—199.
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Haaker, Lester W., Jelatis, and Jennrich. 3,261,480.
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Jelinek-Fink, Peter, H. Jordan, W. Anger, H. Beerwald, H. Fay, and E. Hintz, to Kernforschungsanlage Julich des Landes Nordrhein-Westphalia. Generator of high-energy electromagnetic surges. 3,260,865, 7-12-66, Cl. 307—109.

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Jellesman, Anne, to W. Hubert & Co., Machinefabriek N.V. System for comminuting and straining sewage and the like. 3,247,970, 4-26-66, Cl. 210—174.

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Jelley, Gordon A., to J. A. Crabtree & Co. Ltd. Electric relay combination with latching interlocking means. 3,243,547, 3-29-66, Cl. 200—98.

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Jencks, Charles L., to General Electric Co. Circuit-breaker with ambient compensation means. 3,263,047, 7-26-66, Cl. 200—116.

Jencks, Charles L., and F. H. Murphy, to General Electric Co. Electric circuit breaker with novel tripping assembly. 3,258,560, 6-28-66, Cl. 200—88.

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Jenkins, Aubrey D., and L. J. Wolfram, to The Gillette Co. Vinyl polymerization in the presence of phosphine compounds as oxygen removers. 3,248,376, 4-26-66, Cl. 260—88.7.

Jenkins, Aubrey D., and L. J. Wolfram, to The Gillette Co. Hair waving composition and method. 3,256,154, 6-14-66, Cl. 167—87.1.

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Jenkins, Cecil, and J. R. Woolslayer, to Lee C. Moore Corp. Oil well drilling apparatus with high floor in mast and gin pole. 3,262,237, 7-26-66, Cl. 52—116.

Jenkins, Cecil, and J. R. Woolslayer, to Lee C. Moore Corp. Traveling block dolly. 3,281,122, 10-25-66, Cl. 254—190.

Jenkins, Cecil, E. A. Campbell, and J. R. Woolslayer, to Lee C. Moore Corp. Slingline arrangement for oil well masts. 3,280,519, 10-25-66, Cl. 52—116.

Jenkins, Charles S., and N. K. Perkins, to International Business Machines Corp. Magnetic ledger card machine. 3,294,956, 12-27-66, Cl. 235—61.9.

Jenkins, Christina M. Hair piece and method of making and permanently attaching same. 3,280,826, 10-25-66, Cl. 132—5.

Jenkins, Claire L., and M. E. Russell, to Dairy Equipment Co. Merchandising display device. 3,252,581, 5-24-66, Cl. 211—1.5.

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Dickson, Woodrow J., and Jenkins. 3,259,513.
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Dickson, Woodrow J., and Jenkins. 3,259,586.
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Jenkins, Glenn E., to United States of America, Army. Regenerative and-gate circuit producing output during shaping-pulse input upon coincidence with but regardless of continuous presence of other input. 3,287,574, 11-22-66, Cl. 307—88.5.

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Jenkins, Harvey. Orthodontic brackets. 3,292,260, 12-20-66, Cl. 32—14.

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Nager, Maxwell, Jenkins, and Maas. 3,269,937.

Jenkins, Judson B.: *See*—
Bradford, Floyd J., and Jenkins. 3,226,916.

Jenkins, Keith E.: *See*—
Bassett, Arthur T., Jr., Gaugler, and Jenkins. 3,272,659.

Jenkins, Lawrence R. D., to North American Philips Co., Inc. Device comprising a III–V compound semi-conductor body and at least one contact to said body. 3,261,725, 7-19-66, Cl. 148—33.

Jenkins, Lois M. (now by change of name, Lois Jenkins Sherman), to Lojen Apparatus Inc. Teeter bridge toy. 3,279,794, 10-18-66, Cl. 272—56.

Jenkins, Lyle M.: *See*—
Simmons, William H., and Jenkins. 3,287,031.

Jenkins, Merrill, to National Rejectors, Inc. Currency detectors. 3,253,709, 5-31-66, Cl. 209—111.7.

Jenkins, Myron R.: *See*—
Ets-Hokin, Jeremy M., Jenkins, Cox, Schug, and McLaughlin. 3,240,868.

Jenkins, Raymond W., and W. D. Roraff, to Ralph M. Parsons Co. Method and apparatus for lining a shaft in the earth. 3,250,076, 5-10-66, Cl. 61—41.

Jenkins, Robert C.: *See*—
Bridge, Arnold H., Jr., Jenkins, and Kline. 3,244,215.

Jenkins, Robert H.: *See*—
Baybick, Solomon, and Jenkins. 3,259,330.

Jenkins, Robert H., to Radio Corp. of America. Trigger circuits. 3,237,021, 2-22-66, Cl. 307—88.5.

Jenkins, Robert H., to Radio Corp. of America. Binary recording system. 3,287,176, 2-22-66, Cl. 340—174.1.

Jenkins, Robert H., to Radio Corp. of America. Electrical circuit. 3,247,363, 4-19-66, Cl. 235—61.11.

Jenkins, Robert H., and R. D. Grapes, to Radio Corp. of America. Magnetic tape system. 3,227,348, 1-4-66, Cl. 226—196.

Jenkins, Rowland H.: *See*—
Gasson, Edward J., and Jenkins. 3,244,642.
Gasson, Edward J., and Jenkins. 3,258,432.
Gasson, Edward J., and Jenkins. 3,280,182.

Jenkins, Stuart M., to Plessey-UK Ltd. Variable capacitor. 3,277,353, 10-4-66, Cl. 317—249.

Jenkins, Thomas E., to General Electric Co. Trim strip. 3,267,492, 8-23-66, Cl. 4—187.

Jenkins, Tobie W. Brush holder and wiper. 3,291,337, 12-13-66, Cl. 220—90.

Jenkins, Victor F., R. J. Wicker, N. G. Boast, and E. W. Hoy. Furan carboxylic acid-modified alkyd resin and process of making the same. 3,238,161, 3-1-66, Cl. 260—22.

Jenkins, Walter N., to The British Iron and Steel Research Association. Continuous heat treatment of moving elongate metal material. 3,235,416, 2-15-66, Cl. 148—129.

Jenkins, Weston H., to Corning Glass Works. Press forming apparatus for forming wafers from drips of glass. 3,271,126, 9-6-66, Cl. 65—160.

Jenkins, Weston H., to Corning Glass Works. Method for forming glass wafers. 3,293,017, 12-20-66, Cl. 65—72.

Jenkins, William A., W. H. Knoth, Jr., H. S. Rothrock, and R. A. Smiley, to E. I. du Pont de Nemours and Co. Hydrazine solution of hydrazinium polyhydrododecaborates and their preparation. 3,228,814, 1-11-66, Cl. 149—22.

Jenkins, William M., to P. R. Mallory & Co., Inc. Push to start mechanism. 3,264,441, 8-2-66, Cl. 200—153.

Jenkins, Wilmer A., II: *See*—
Jacobson, Howard W., Jenkins, Olson, and Willcox. 3,252,823.

Jenkinson, John K.: *See*—
Jukes, Norman A., and Jenkinson. 3,277,340.

Jenkinson, John V., to Microwave Associates, Inc. Semiconductor devices and method of fabricating them. 3,238,424, 3-1-66, Cl. 317—234.

Jenkner, Herbert, to Kali-Chemie Aktiengesellschaft. Preparation of boranes. 3,231,333, 1-25-66, Cl. 23—204.

Jenkner, Herbert, to Chemische Fabrik Kalk G.m.b.H. Process for the production of bromine derivatives of aromatic compounds. 3,285,965, 11-15-66, Cl. 260—612.

Jenkner, Otto: *See*—
Nonnenmacher, Helmut, Jenkner, and Sian. 3,242,223.

Jenks, James R.: *See*—
Zeppenfeld, John S., and Jenks. 3,245,565.

Jenks, Richard H., to Revere Copper and Brass Inc. Impact extrusion lubricants. 3,252,909, 5-24-66, Cl. 252—37.

Jenks, William E., and N. R. Levins, to E. I. du Pont de Nemours and Co. Conversion of sodium or potassium to its hydroxide or cyanide. 3,287,085, 11-22-66, Cl. 23—79.

Jenn-Air Products Co., Inc.: *See*—
Jenn, Louis J., and Simms. 3,255,746.

Jenn, Louis J., and E. W. Simms, to Jenn-Air Products Co., Inc. Oven exhaust structure. 3,255,746, 6-14-66, Cl. 126—21.

Jenner, Myron. Injecting device. 3,241,477, 3-22-66, Cl. 99—345.

Jennes, Gert, H. Sutter, and K. Nützel, to Farbenfabriken Bayer Aktiengesellschaft. Process for the polymerization of unsaturated compounds with borazane catalysts. 3,236,823, 2-22-66, Cl. 260—80.5.

Jenney, Theodore M.: *See*—
Churchill, John W., and Jenney. 3,275,697.

Jennie, Fred L.: *See*—
Russell, Fred J., Jennie, and Armstrong. 3,234,768.

Jennihsen, Herbert: *See*—
Kabelitz, Hans, and Jennihsen. 3,263,460.

Jennings, Alan K.: *See*—
Wiley, Franklyn L., Seid, and Jennings. 3,278,926.

Jennings, Alfred P. H., and C. W. Munday, to The Distillers Co. Ltd. Liquid delivery device. 3,254,683, 6-7-66, Cl. 141—128.

Jennings, Charles E., Jr., to The Renner Co. Curb forming machine. 3,261,272, 7-19-66, Cl. 94—46.

Jennings, Charles E., Jr., to The Renner Co. Apparatus for extruding curbing over anchoring pins. 3,280,711, 10-25-66, Cl. 94—46.

Jennings, Charles H., and E. W. Vaughn, to Westinghouse Electric Corp. Pneumatically controlled portable heart massage apparatus. 3,291,124, 12-13-66, Cl. 128—53.

Jennings, David C., to United Aircraft Corp. Turbine driven rotary liquid-gas separation system. 3,273,324, 9-20-66, Cl. 55—404.

Jennings, David C., to United Aircraft Corp. Heat transfer garment. 3,289,748, 12-6-66, Cl. 165—46.

Jennings, Douglas H.: *See*—
Hilton, Foster, Hansen, and Jennings. 3,250,012.

Jennings, Frederic B.: *See*—
Schaefer, Hans F., Jr., Jennings, and Day. 3,243,093.

Jennings, Garland B., and G. J. Kliner, to The B. F. Goodrich Co. Post-chlorinated vinyl chloride polymer containing butadiene-acrylonitrile rubber and styrene-acrylonitrile copolymer. 3,268,626, 8-23-66, Cl. 260—891.

Jennings, Gerald E., to Minikay Ltd. Air curtains. 3,282,193, 11-1-66, Cl. 98—36.

Jennings, Harry C., to Everest & Jennings, Inc. Adjustable leg rest for wheel chairs. 3,249,388, 5-3-66, Cl. 297—437.

Jennings, Howard R., and L. L. Rice, to Sprague Electric Co. Packaged capacitor and method of making the same. 3,265,945, 8-9-66, Cl. 317—258.

Jennings, James E.: *See*—
Carpenter, Virgil R., and Jennings. 3,272,408.

Jennings, Jo E., to Jennings Radio Mfg. Corp. Lightweight D.C. power supply. 3,234,450, 2-8-66, Cl 321—2.

Jennings, Jo E., to Jennings Radio Mfg. Corp. Vacuum variable capacitor. 3,242,397, 3-22-66, Cl. 317—245.

Jennings, Jo E., to Jenning Radio Mfg. Corp. Double end operable axial switch. 3,250,880, 5-10-66, Cl. 200—144.

Jennings, Jo E., to Jennings Radio Mfg. Corp. Electrically energized heat radiator. 3,275,874, 9-27-66, Cl. 313—183.

Jennings, John L., to United Aircraft Corp. Propellant injector. 3,266,241, 8-16-66, Cl. 60—35.6.

Jennings, John R., and H. E. Hayes, to Wilson & Co., Inc. Hook washer. 3,284,828, 11-15-66, Cl. 15—21.

Jennings, Joseph F.: *See*—
Binning, Robert C., and Jennings. 3,230,245.

Jennings, Leonard T. Control panel for foundation garments. 3,246,651, 4-19-66, Cl. 128—580.

Jennings, Lyston C., to The New York Air Brake Co. Hydraulic system. 3,237,407, 3-1-66, Cl. 60—52.

Jennings, Paul A., to Armco Steel Corp. Alloy steel and articles. 3,235,378, 2-15-66, Cl. 75—128.

Jennings Radio Mfg. Corp.: *See*—
Eggers, Frederick S., and Escobar. 3,257,524.
Hansen, Robert W. 3,257,590.
Hawkins, Jack S. 3,275,775.
Jacobs, Lester O. 3,231,704.
Jennings, Jo E. 3,234,450.
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Jennings, Jo E. 3,250,880.
Jennings, Jo E. 3,275,874.
Lindsay, Wesley N. 3,247,347.
Lindsay, Wesley N. 3,248,497.
McClaflin, Robert D., and Tilman. 3,260,967.
Oeschger, Joseph E. 3,270,259.
Roessler, Crk T. 3,238,324.
Ross, Hugh C. 3,244,843.
Tetz, Ronald V. 3,274,483.
Tilman, Ted N., and Winslow. 3,261,953.

Jennings, Thelma E. Magnetic junk retrieving tool. 3,243,218, 3-29-66, Cl. 294—65.5.

Jennings, Thomas J., to Shell Oil Co. Process for preparing furonitrile. 3,260,731, 7-12-66, Cl. 260—346.1.

Jennings, Thomas J., to Shell Oil Co. Thiophene oxidation process and products obtained thereby. 3,265,712, 8-9-66, Cl. 260—332.3.

Jennings, Vernon A.: *See*—
Miller, Glen E., and Jennings. 3,268,665.

Jennrich, Carleton E.: *See*—
Haaker, Lester W., Jelatis, and Jennrich. 3,261,460.
Haaker, Lester W., Jelatis, and Jennrich. 3,261,480.

Jenny, Alfred L.: *See*—
Ruscetta, Ralph A., and Jenny. 3,255,390.

Jenny, Alfred L., and L. W. Foster, to General Electric Co. Electrode for electrical capacitors and method of making the same. 3,256,468, 6-14-66, Cl. 317—230.

Jenny, Erwin F.: *See*—
Schenker, Karl, Jenny, and Fechtig. 3,234,224.
Schenker, Karl, Jenny, and Wilhelm. 3,264,291.

Jenny, Frank J. Apparatus for generating synthesis gas. 3,246,888, 4-19-66, Cl. 266—28.

Jenny, Frank J. Method for producing synthesis gas. 3,250,601, 5-10-66, Cl. 48—196.

Jenny, Georges. Electronic musical instrument. 3,229,020, 1-11-66, Cl. 84—1.13.

Jenny, Georges. Electronic musical instrument. 3,247,311, 4-19-66, Cl. 84—1.19.

Jenny, Georges. Electronic musical instrument with fluid pressure actuated volume control. 3,250,843, 5-10-66, Cl. 84—1.09.

Jenny, Hans, and M. Altmann, to Firma Palor AG. Height-adjustable school blackboard. 3,279,101, 10-18-66, Cl. 35—63.

Jenny, Jacques, J. Tetl, and J. P. Anderson. Method of forming a hoof-covering. 3,285,346, 11-15-66, Cl. 168—4.

Jenny, Rudolf, to Schweiter Engineering Works Ltd. Yarn or thread guiding apparatus for a winding location. 3,270,971, 9-6-66, Cl. 242—18.

Jenny, Rudolf, to Maschinenfabrik Schweiter AG. Control device for a winding machine. 3,291,406, 12-13-66, Cl. 242—35.5.

Jenny, Walter, and I. Harl, to Ciba Ltd. Vat dyestuffs containing allyl groups. 3,242,176, 3-22-66, Cl. 260—249.

Jens, Wayne H., to Atomic Power Development Associates, Inc. Reinforced ceramic fuel elements. 3,285,825, 11-15-66, Cl. 176—68.

Jens, Wayne H., M. C. Edlund, H. S. Barringer, J. K. Davidson, C. E. Klotz, J. B. Nims, R. S. Miller, and R. G. Palmer, to United States of America, Atomic Energy Commission. Nuclear reactor. 3,260,649, 7-12-66, Cl. 176—18.

Jensen, Alan K., to Monroe International Corp. Missing pulse and busy signal control circuit. 3,233,118, 2-1-66, Cl. 307—88.5.

Jensen, Alan K., to Monroe International Corp. Drive circuit for an inductive load. 3,233,246, 2-1-66, Cl. 346—74.

Jensen, Alan K., to Monroe International Corp. Memory device utilizing a slow recovery diode to charge a capacitor. 3,242,351, 3-22-66, Cl. 307—88.5.

Jensen, Alfred K.: *See*—
Brahm, Clarence P., and Jensen. 3,273,731.

Jensen, Anders R.: *See*—
Webb, James E. 3,262,351.

Jensen, Arthur, and E. D. Krumm, to The Air Preheater Co., Inc. Thermal actuated sector plate. 3,246,687, 4-19-66, Cl. 165—9.

Jensen, Arthur J., to Texas Instruments Inc. Pyrolytic deposition of protective coatings of semiconductor surfaces. 3,242,007, 3-22-66, Cl. 117—201.

Jensen, Arthur S., and M. P. Siedband, to Westinghouse Electric Corp. Stored signal enhancement electron discharge device. 3,259,791, 7-5-66, Cl. 315—12.

Jensen, Carl C. Hydraulic steering plant for ships. 3,253,566, 5-31-66, Cl. 114—150.

Jensen, Carl C., and F. A. Mittleman, to The Gillette Co. Permanent waving lotion. 3,230,144, 1-18-66, Cl. 167—87.1.

Jensen, Carl F.: *See*—
Cordis, Nat. 3,291,066.

Jensen, Christian. Lightweight compact versatile pallet. 3,277,847, 10-11-66, Cl. 108—51.

Jensen, Clarence F., to Jensen Industries, Inc. Phonograph pickup. 3,227,460, 1-4-66, Cl. 274—25.

Jensen, Donald D. Ventilation system. 3,260,189, 7-12-66, Cl. 98—115.

Jensen, Donald D. Protective air curtain for cooking area. 3,292,525, 12–20–66, Cl. 98—115.
Jensen, Douglas L. Container stirring apparatus. 3,251,581, 5–17–66, Cl. 259—108.
Jensen, Edward J., to Owens-Illinois Glass Co. Dispensing package. 3,247,995, 4–26–66, Cl. 215—73.
Jensen, Einar W., to Eastman Kodak Co. Transport mechanism. 3,246,823, 4–19–66, Cl. 226—188.
Jensen, Erik, and P. H. Pedersen, to Nova Terapeutisk Laboratorium A/S. Evaporating method and apparatus therefor of the rotating drum type. 3,282,326, 11–1–66, Cl. 159—12.
Jensen, Erik H., to The National Cash Register Co. Coating by phase separation. 3,265,629, 8–9–66, Cl. 252—316.
Jensen, Erik H., to The National Cash Register Co. Encapsulating lipophilic material by coacervation. 3,265,630, 8–9–66, Cl. 252—316.
Jensen, Erik H., and A. L. Rhodes, to Westinghouse Electric Corp. Low-pressure cut-outs for refrigerant compressors. 3,271,971, 9–13–66, Cl. 62—228.
Jensen, Erik H., and G. L. Drinkard, Jr., to Westinghouse Electric Corp. Detectors of fluid flow. 3,290,576, 12–6–66, Cl. 318—471.
Jensen, Erling. Machines for the production of tubing. 3,229,487, 1–18–66, Cl. 72—50.
Jensen, Erling. Production of tubing. 3,266,285, 8–16–66, Cl. 72—304.
Jensen, Evan A., and R. D. Cross, to United Air Lines. Tape read-out device. 3,293,981, 12–27–66, Cl. 88—24.
Jensen, Finn: *See*—
Smith, Edward P., and Jensen. 3,264,215.
Jensen, Finn, and R. E. Nadherny, to Illinois Railway Equipment Co. Method of making a railway lading tie anchor assembly. 3,233,319, 2–8–66, Cl. 29—437.
Jensen, Finn, and T. J. Sweger, to Illinois Railway Equipment Co. Means for tying lading comprising chain engaging reciprocating lever means. 3,261,588, 7–19–66, Cl. 254—74.
Jensen, Floyd J. Page turner. 3,281,974, 11–1–66, Cl. 40—103.
Jensen, Fred N. Safety signaling system for marine engine cooling systems. 3,257,643, 6–21–66, Cl. 340—52.
Jensen, Frederick R.: *See*—
Kinsey, Dale N., Jensen, and Hennes. 3,248,385.
Jensen, Hans A.: *See*—
Eberman, Augustus H., and Jensen. 3,290,858.
Solan, Edward C., Eberman, and Jensen. 3,289,512.
Jensen, Harold V. Head band and an improved fabric jointure. 3,229,308, 1–18–66, Cl. 2—171.
Jensen, Henry C., to Skalma A/S. Convertible sofa. 3,278,951, 10–18–66, Cl. 5—47.
Jensen, Henry E., to Eltra Corp. High capacity lead acid battery with lead calcium negative grids. 3,287,165, 11–22–66, Cl. 136—65.
Jensen, Herman G., to The Seeburg Corp. Step switch contactor assembly. 3,249,718, 5–3–66, Cl. 200—105.
Jensen, Herman G., J. E. Wright, Jr., and J. F. Shragal, to The Seeburg Corp. Price, credit, and change sensing apparatus for coin-responsive equipment. 3,261,443, 7–19–66, Cl. 194—80.
Jensen, Herman G., and R. Kapoun, to The Seeburg Corp. Scan award system. 3,263,788, 8–2–66, Cl. 194—12.
Jensen, Hermann B. F. Feed control for mechanical presses. 3,229,556, 1–18–66, Cl. 83—66.
Jensen, Hermann B. F. Automation of machine tools. 3,231,989, 2–1–66, Cl. 35—13.
Jensen, Holger R., Jr., to International Business Machines Corp. Memory matrix. 3,267,442, 8–16–66, Cl. 340—174.
Jensen Industries, Inc.: *See*—
Jensen, Clarence F. 3,227,460.
Jensen, Irving K., and R. G. Pierce, to Microdot, Inc. Multicontact electrical connector. 3,266,009, 8–9–66, Cl. 339—89.
Jensen, James K.: *See*—
Meyer, Raymond J., Jensen, and Wetrich. 3,274,838.
Jensen, James L., to Honeywell Inc. Electronic photographic flash apparatus with photosensitive capacitor charge monitoring. 3,229,158, 1–11–66, Cl. 315—158.
Jensen, James L., to Honeywell Inc. Semiconductor apparatus. 3,249,844, 5–3–66, Cl. 321—44.
Jensen, John R.: *See*—
Travis, James R., Jensen, and Harvey. 3,277,285.
Jensen, Lester K., to Clark Equipment Co. Seat suspension for material handling trucks. 3,261,422, 7–19–66, Cl. 180—69.
Jensen, Lloyd I., to Johnston Testers, Ltd. Method of obtaining fluid samples from a well bore. 3,254,710, 6–7–66, Cl. 166—3.
Jensen, Lloyd I., to Johnston Testers, Ltd. Drill stem testing apparatus. 3,285,344, 11–15–66, Cl. 166—149.
Jensen, Olga R. C. Rocking devices for children. 3,227,445, 1–4–66, Cl. 272—56.
Jensen, Oluf F. Passenger carrying device for a bicycle. 3,288,490, 11–29–66, Cl. 280—202.
Jensen, Otto, to I-T-E Circuit Breaker Co. Adjustable precision spark gap. 3,229,145, 1–11–66, Cl. 313—146.
Jensen, Otto, to I-T-E Circuit Breaker Co. Rectifier section balancing structure. 3,229,187, 1–11–66, Cl. 321—26.
Jensen, Otto, to I-T-E Circuit Breaker Co. High voltage spark gap. 3,259,792, 7–5–66, Cl. 315—36.
Jensen, Otto, to I-T-E Circuit Breaker Co. Tripping device. 3,280,375, 10–18–66, Cl. 317—58.
Jensen, Otto, to I-T-E Circuit Breaker Co. Lowering speed control for A.-C. hoist. 3,281,633, 10–25–66, Cl. 318—212.
Jensen, Otto, to I-T-E Circuit Breaker Co. Synchronous circuit breaker having a movable winding. 3,281,733, 10–25–66, Cl. 335—99.
Jensen, Otto, and A. Conangla, to I. T. E. Circuit Breaker Co. Gas insulated current transformer. 3,287,679, 11–22–66, Cl. 336—174.
Jensen, Otto S. Flexed wall or ceiling facing. 3,277,622, 10–11–66, Cl. 52—222.
Jensen, Peter W., to Ampex Corp. Electronic signal gating system with gates operated in response to changes in the signal being gated. 3,280,348, 10–18–66, Cl. 307—88.5.
Jensen, Raymond W., to The Garrett Corp. Pneumatic remote position actuator. 3,251,274, 5–17–66, Cl. 91—49.
Jensen, Richard V., to Walker Mfg. Co. Disposable air filter for internal combustion engines. 3,290,870, 12–13–66, Cl. 55—486.
Jensen, Richard V., and R. J. Offer, to Walker Mfg. Co. Filter. 3,272,192, 9–13–66, Cl. 123—119.
Jensen, Robert G., to Perfex Corp. Radiator construction. 3,282,333, 11–1–66, Cl. 165—72.
Jensen, Robert H. Combination cord holder and outlet box attachment. 3,290,453, 12–6–66, Cl. 191—12.4.
Jensen, Robert P., and D. W. Sackett. Means and method for making mats for pictures and the like. 3,289,343, 12–6–66, Cl. 40—154.
Jensen, Stephen F.: *See*—
Elam, William Binford, and Jensen. 3,279,675.
Jensen, Stephen F., to American Can Co. Method of forming fibre container bodies. 3,280,708, 10–25–66, Cl. 93—94.
Jensen, Theodore E., to Sanford Research Co. Apparatus for and methods of making a marking device. 3,263,394, 8–2–66, Cl. 53—43.
Jensen, Villy H. Method of milking and a specific teat cup liner. 3,234,906, 2–15–66, Cl. 119—14.02.
Jensen, Volmer S., and L. M. Goldstone, to Jayark Instruments Corp. Projector for continuous sound and motion picture film. 3,271,095, 9–6–66, Cl. 352—34.
Jensen, Volmer S., and L. M. Goldstone, to Jayark Films Corp. Continuous film cartridge. 3,284,155, 11–8–66, Cl. 352—29.
Jensen, Warren R.: *See*—
Batchelor, Clyde S., and Jensen. 3,231,058.
Jensen, Wayne B., and E. H. Ritter, to General Dynamics Corp. Combined binocular and optical communication device. 3,277,303, 10–4–66, Cl. 250—199.
Jensen, Wayne I., to United States of America, Interior. Bacteria disintegrator. 3,291,400, 12–13–66, Cl. 241—172.
Jensen, William. Toilet flushing lever with latching means. 3,278,948, 10–18–66, Cl. 4—67.
Jensen, William E., G. Gross, and H. A. Morris, to Bell Aerospace Corp. Servo stroke divider. 3,289,548, 12–6–66, Cl. 91—387.
Jensen, William T., and E. E. Gehrt, to Methode Electronics, Inc. Plug-in contact assembly for printed circuit boards. 3,230,493, 1–18–66, Cl. 339—17.
Jensko, Ewald: *See*—
Murtz, Hans-Josef, and Jensko. 3,259,729.
Jenson, George: *See*—
Frankel, Adolf, and Jenson. 3,282,561.
Jenson, Kenneth S., and F. W. Suhr, to Preway, Inc. Air heater. 3,274,989, 9–27–66, Cl. 126—110.
Jenson, Kenneth S., J. E. Gilbertson, and A. E. Chamberlain, to Preway, Inc. Ventilating hood. 3,251,290, 5–17–66, Cl. 98—115.
Jenson, Stanley N. Archery Device. 3,244,161, 4–5–66, Cl. 124—24.
Jenssen, Lloyd W.: *See*—
Melichar, Joseph T., Jenssen, and Ostapovich. 3,250,670.
Jentet, Maxime L., to Societe Anonyme des Usines Chausson. Device for carrying out endurance tests on various testpieces. 3,228,238, 1–11–66, Cl. 73—92.
Jentet, Maxime L., to Societe Anonyme des Usines Chausson. Method and apparatus for air-conditioning vehicle. 3,286,765, 11–22–66, Cl. 165—2.
Jentges, Thomas S.: *See*—
Harrington, Frank A., Jentges, and Hanzich. 3,241,136.
Jentoft, Arthur P., to H. H. Robertson Co. Dual duct air conditioning system with seasonal changeover means. 3,237,860, 3–1–66, Cl. 236—1.
Jentoft, Arthur P., to H. H. Robertson Co. Composite floor and apparatus therefor. 3,245,186, 4–12–66, Cl. 52—334.
Jentzsch, Dietrich, and W. Hovermann, to Bodenseewerk Perkin-Elmer & Co. G.m.b.H. Chromatography method and means. 3,257,775, 6–28–66, Cl. 55—67.
Jentzsch, Wolfgang, H. Stummeyer, and A. Fischer, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Iminomethyleneureas. 3,242,209, 3–22–66, Cl. 260—553.
Jepperson, Richard M.: *See*—
Thornberg, Dean S., and Jepperson. 3,231,764.
Thornberg, Dean S., and Jepperson. 3,267,381.
Thornberg, Dean S., and Jepperson. 3,281,810.
Thornberg, Dean S., and Jepperson. 3,287,719.
Jeppesen, Kristian V. Apparatus for cutting recesses in a timber. 3,292,677, 12–20–66, Cl. 144—133.
Jeppson, Morris R., to High Voltage Engineering Corp. Cyclotron ion source. 3,239,707, 3–8–66, Cl. 313—62.
Jeppson, Morris R., and F. J. Smith, to Cryodry Corp. Power distribution system for microwave process chambers. 3,263,052, 7–26–66, Cl. 219—10.55.
Jeppsson, Erik M., and N. B. L. Sander, to Svenska Aktiebolaget Bromsregulator. Slack adjuster. 3,285,375, 11–15–66, Cl. 188—196

Jepsen, Paul H., to Snyder & Black & Schlegel. Bracket adapted to attach to a display pole to a container. 3,273,845, 9–20–66, Cl. 248—226.
Jepson, Ivar, to Sunbeam Corp. Rotary power device with motion conversion means. 3,244,916, 4–5–66, Cl. 310—80.
Jepson, Ivar, to Sunbeam Corp. Waterproof terminal constructions and electrical heating elements including same. 3,259,732, 7–5–66, Cl. 219—436.
Jepson, Ivar, to Sunbeam Corp. Hair dryer air blower. 3,280,302, 10–18–66, Cl. 219—370.
Jepson, Ivar, to Sunbeam Corp. Gas supported devices. 3,283,355, 11–8–66, Cl. 15—327.
Jepson, Ivar, to Sunbeam Corp. Lawn sprinkler. 3,270,963, 9–6–66, Cl. 239—242.
Jepson, Ivar, and S. R. Kukulski, to Sunbeam Corp. Dual armature reciprocating motor. 3,243,615, 3–29–66, Cl. 310—29.
Jepson, Ivar, J. W. Morgan, and J. W. Richmond, to Sunbeam Corp. Clock motor and movement. 3,248,867, 5–3–66, Cl. 58—38.
Jepson, Ivar, and W. L. Chambers, Sunbeam Corp. Electric mixer. 3,269,678, 8–30–66, Cl. 248—13.
Jepson, Ivar, J. P. Wied, and G. R. Wolter, to Sunbeam Corp. Vacuum cleaner. 3,273,194, 9–20–66, Cl. 15—323.
Jepson, Ivar, and J. P. Wied, to Sunbeam Corp. Push-broom-type vacuum cleaner. 3,273,195, 9–20–66, Cl. 15—344.
Jepson, Ivar, and G. R. Wolter, to Sunbeam Corp. Juice extractor attachment for mixer. 3,275,051, 9–27–66, Cl. 146—3.
Jepson, Ivar, L. J. Koci, J. L. Viecelli, and D. F. Illian, to Sunbeam Corp. Electric toaster. 3,279,352, 10–18–66, Cl. 99—385.
Jepson, Ivar, and S. R. Kukulski, to Sunbeam Corp. Electric dry shaver with common shaft for cutter and motor. 3,290,776, 12–13–66, Cl. 30—43.9.
Jepson, Ivar, and S. R. Kukulski, to Sunbeam Corp. Electric dry shaver with removable subassembly. 3,290,777, 12–13–66, Cl. 30—43.92.
Jepson, Robert M., to Jepson Thermoelectrics, Inc. Cooling cabinet. 3,243,965, 4–5–66, Cl. 62—3.
Jepson Thermoelectrics, Inc.: *See*—
Jepson, Robert M. 3,243,965.
Jequier, Robert: *See*—
Veillux, Leon, Jequier, Peterfalvi, and Muller. 3,285,815.
Jerabek, Jerry J.: *See*—
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Akins, John E., and Jerabek. 3,292,907.
Jerchel, Dietrich: *See*—
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Thomas, Klaus, Sehring, and Jerchel. 3,235,449.
Jerdon, James A. Automobile tire stem removing and/or inserting tool. 3,255,520, 6–14–66, Cl. 29—221.5.
Jered Industries, Inc.: *See*—
Davies, Edward R., Oxford, and Grabill. 3,241,321.
Fournier, Daniel B., and Strang. 3,271,994.
Jeremiasen, Tore, to Aktiebolaget Schakta. Excavator. 3,292,800, 12–20–66, Cl. 214—138.
Jergens, Andrew, Co., The: *See*—
Lohr, John W. 3,232,976.
Jerger, Joseph, Jr., to Servo Corp. of America. Optical infrared-transmitting glass compositions. 3,241,986, 3–22–66, Cl. 106—47.
Jerie, Jan, J. Nemec, and Z. Moravec. Axial flow compressor, blower or ventilator with reduced noise production. 3,270,953, 9–6–66, Cl. 230—120.
Jerkins, Ernest E., to United Kingdom Atomic Energy Authority. Valves. 3,247,863, 4–26–66, Cl. 137—340.
Jerkins, Ernest E., and D. G. Taylor, to United Kingdom Atomic Energy Authority. Nuclear fuel element stringer assembly with improved coupling device. 3,287,230, 11–22–66, Cl. 176—77.
Jernigan, Ernest D., Jr., to Industrial Nucleonics Corp. Rendezvous and docking of space ships. 3,285,533, 11–15–66, Cl. 244—1.
Jernigan, Thomas L.: *See*—
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Jernigan, Thomas L., L. J. Fox, and R. E. Minor, to Eskimo Pie Corp. Device for dispensing pulverulent material. 3,257,041, 6–21–66, Cl. 222—333.
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Jerolamon, David, F. W. Koff, and R. Fuhrmann, to Allied Chemical Corp. Process for the production of nitriles employing lactone solvents. 3,281,449, 10–25–66, Cl. 260—464.
Jerome, Elwood L., and G. C. Burns, to Pneumo Dynamics Corp. Low pressure pneumatic proportional control syatem. 3,290,997, 12–13–66, Cl. 91—3.
Jerome, Jack, to Marine Steel Corp. Hatch covers. 3,294,154, 12–27–66, Cl. 160—188.
Jerore, Archie L. Car top carrier. 3,282,484, 11–1–66, Cl. 224—42.1.
Jerothe, Rudolph A., and N. Forrest, to Toscony, Inc. Color dynamic. three-dimensional flexible film and method of making it. 3,264,164, 8–2–66, Cl. 161—33.
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Jersey Production Research Co.: *See*—
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Kellner, Jackson M. 26,120.
Kiel, Othar M. 3,251,416.
Roark, James J., and Ferguson. 3,230,541.
Orkiszewski, Joseph. 3,240,272.
Jertson, Earl C., and E. F. Glabe, to Marine Colloids, Inc. Continuous-mix bread manufacture. 3,234,027, 2–8–66, Cl. 99—91.
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Jeschke, Johannes C., to Minnesota Mining and Mfg. Co. Precipitation process for preparing acicular magnetic metal oxide particles. 3,243,375, 3–29–66, Cl. 252—62.5.
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Jeske, Bernard G. Buffing wheel adapted to utilize reused cloth. 3,258,807, 7–5–66, Cl. 15—230.13.
Jesmont, John J.: *See*—
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Conroy, Robert L., Jesmont, and Weimersheimer. 3,233,295.
Jespersen, Hans J., to Danfoss A/S. Controller adjusting mechanism. 3,279,778, 10–18–66, Cl. 267—1.
Jespersen, Henrik. Tube and pipe shearing apparatus. 3,261,248, 7–19–66, Cl. 83—186.
Jespersen, Oliver: *See*—
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Jessen, Howard E., to Ceco Corp. Door construction. 3,252,262, 5–24–66, Cl. 52—621.
Jessen, Paul J., to American Motors Corp. Seal placement tool. 3,289,502, 12–6–66, Cl. 81—8.1.
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Church, Peter K., and Jessen. 3,281,808.
Jessen, Phillip L., to Kaman Aircraft Corp. Power divider and attenuator. 3,259,859, 7–5–66, Cl. 333—81.
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Jester, James J. Picker stick checking device. 3,289,708, 12–6–66, Cl. 139—164.
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Jet Line Products, Inc.: *See*—
Hamrick, James C. 3,246,878.
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Hamrick, James C. 3,265,349.
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Rockerath, John L., Goppert, and Schreck. 3,286,669.
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Jette, Emil, Jr. Automobile safety device having roof reinforcing bar. 3,292,726, 12–20–66, Cl. 180—82.
Jette, Emile. Control for stopping yarn carriers in flat bed knitting machines. 3,237,432, 3–1–66, Cl. 66—125.
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Wakelyn, Noel T., and Jewell. 3,264,135.
Jewell, Robert A., to Great Dane Trailers, Inc. Folding king pin. 3,254,904, 6–7–66, Cl. 280—433.
Jewell, Robert A., and N. T. Wakelyn, to United States of America, National Aeronautics and Space Administration. Method of coating carbonaceous base to prevent oxidation destruction and coated base. 3,271,181, 9–6–66, Cl. 117—46.
Jewett, Eugene L., to Florida Brace Corp. Surgical brace. 3,274,996, 9–27–66, Cl. 128—78.
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Jex, Victor B., to Union Carbide Corp. Beta-cyanoethylpolysiloxane and process for producing beta-cyanoethylsilanes. 3,257,440, 6–21–66, Cl. 260—448.2.
Jezek, Louis F., Jr. Safety circuit breaker for motor vehicles. 3,243,537, 3–29–66, Cl. 200—61.45.
Jezl, James L., H. M. Khelghatian, and L. D. Hague, to Avisun Corp. Block copolymers of ethylene and propylene. 3,268,624, 8–23–66. Cl. 260—878.

Jezl, James L., and H. M. Khelghatian, to Sun Oil Co. Dyeable interpolymers consisting of alpha-olefins and a nitrogen containing compound. 3,293,326, 12–20–66, Cl. 260—878.

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Jilek, Walter, and M. Truppe, to BOT Brassert Oxygen Technik A.G. Blowing device. 3,241,825, 3–22–66, Cl. 266—34.

Jillson, Betty. Restraining vest. 3,265,065, 8–9–66, Cl. 128—134.

Jimenez, James A., and H. H. Olmsted. Tortilla oven. 3,245,-356, 4–12–66, Cl. 107—57.

Jimenez, James A., and H. H. Olmsted. Bun divider and rounder. 3,274,959, 9–27–66, Cl. 107—68.

Jimenez, Rudolf A., and B. M. Gallaway, to Texas A & M Research Foundation. Bituminous slurry seal. 3,291,628, 12–13–66, Cl. 106—283.

Jiminez, Marcos. Method for treatment of hernias. 3,266,-054, 8–9–66, Cl. 128—334.

Jines, Chester G. Roll up protective covering for vehicle tops including the windows. 3,292,684, 12–20–66, Cl. 160—23.

Jinkens, Charles W., and C. C. Waldbillig, to Medex, Inc. Drainage bag. 3,237,624, 3–1–66, Cl. 128—275.

Jinkens, Charles W., and C. C. Waldbillig, to Medex, Inc. Medical valve. 3,276,472, 10–4–66, Cl. 137—556.

Jinno, Seizo, to Yanmar Diesel Engine Co., Ltd. Cooling device for rotary piston engines. 3,289,651, 12–6–66, Cl. 123—88.

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Jira, Thomas J. Device for tuning stringed instruments. 3,230,816, 1–25–66, Cl. 84—315.

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Jiruska, John L., to Ram Engineering Corp. Film processing apparatus. 3,261,278, 7–19–66, Cl. 95—94.

Jiu, James and A. H. Goldkamp, to G. D. Searle & Co. 3,-(dinitro and diaminophenylazo)estra-1,3,5(10)-trien-17β-ols. 3,282,91b, 11–1–66, Cl. 260—192.

Joa, Curt G. Method for disintegrating wood pulp board into its component fibers and reassembling the fibers as a soft bat. 3,268,954, 8–30–66, Cl. 19—156.3.

Joa, Curt G. Machine for manufacturing sanitary napkins and the like. 3,289,254, 12–6–66, Cl. 19—145.

Joa, Curt G. Sanitary napkin, diaper, or hospital pad or the like. 3,291,131, 12–13–66, Cl. 128—290.

Joa, Curt G., and G. F. Kiela, to Curt G. Joa, Inc. Sanitary napkin. 3,230,955, 1–25–66, Cl. 128—290.

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Joannou, Stephen C., to United States of America, Army. Shock forming machine. 3,282,088, 11–1–66, Cl. 73—71.6.

Job, Eduard, to Selbsttatige Feuerloschanlagen Gesellschaft mit beschrankter Haftung & Co. Nozzle for automatic fire extinguishing devices. 3,253,657, 5–31–66, Cl. 169—38.

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Giot, Maurice H. F., Jobart, Fevrot, and Meyer. 3,243,-583.
Giot, Maurice H. F., Jobart, Fevrot, and Meyer. 3,255 340.

Jobe, Lowell A., to Phillips Petroleum Co. Evaporator control method and apparatus therefor. 3,241,599, 3–22–66, Cl. 159—44.

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Jobes, Harry W., to Hupp Corp. Heat pump controls. 3,273,-635, 9–20–66, Cl. 165—12.

Jobes, Harry W., and G. A. Smith, to Hupp Corp. Heat pumps. 3,232,073, 2–1–66, Cl. 62—471.

Jobson, Donald A.: *See*—
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Jocher, Alfred J., and H. C. Glesmann, to International Harvester Co. Scraper blade. 3,250,026, 5–10–66, Cl. 37—42.

Jochim, Friedrich, to Compagnie de Saint-Gobain. Self-gripping tongs. 3,273,933, 9–20–66, Cl. 294—118.

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Joeckel, Stanley V. Infrared heating unit. 3,237,144, 2–22–66, Cl. 338—316.

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Joesting, Frederick D., to Honeywell Inc. Condition control system. 3,263,925, 8–2–66, Cl. 236—9.

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Johannes, Günter, to Continental Gummi-Werke Aktiengesellschaft. Apparatus for curving a built-up tire body to shape. 3,278,362, 10–11–66, Cl. 156—415.

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Johannesen, Allan N., to United States of America, Army. Quickly detachable coupling member gaging device. 3,277,-699, 10–11–66, Cl. 73—94.

Johannis, Jürgen, E. Schraufstatter, R. Strufe, R. Gonnert, and W. Stendel, to Farbenfabriken Bayer Aktiengesellschaft. Novel anthelmintic agents and process for producing the same. 3,227,718, 1–4–66, Cl. 260—268.

Johansen, Fred D. Luggage article adapted for rolling transport. 3,236,538, 2–22–66, Cl. 280—47.31.

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Johansen, Rolf J., to Kamyr Aktiebolaget. Mixing apparatus, particularly for mixing of bleaching agents into cellulosic pulp. 3,284,055, 11–8–66, Cl. 259—7.

Johanson, Bengt J., and N. Oskerka, Jr. Connector. 3,275,-970, 9–27–66, Cl. 339—143.

Johanson, Frederic R., to The Jaeger Machine Co. Electromechanical transducer. 3,283,181, 11–1–66, Cl. 310—8.6.

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Johansson, Arne G., and O. G. Karlsson, to Arenco Aktiebolag. Machine for threshing tobacco and separating the tobacco threshed. 3,229,698, 1–18–66, Cl. 131—146.

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Johansson, Carl E., to Youngstown Steel Door Co. Pallet container. 3,250,309, 7–5–66, Cl. 232—43.1.

Johansson, Carl E., and D. F. Leonhart, to The Youngstown Steel Door Co. Railway car sides. Re. 26,131, 12–27–66, Cl. 105—409.

Johansson, Erik L. W., to Svenska Kullagerfabriken, Aktiebolaget. Machine tools. 3,245,290, 4–12–66, Cl. 82—3.

Johansson, Hans, to Regulator AG. Arrangement for connection and disconnection of a load. 3,243,611, 3–29–66, Cl. 307—134.

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Johmann, Frank T. Writing instrument. 3,232,278, 2–1–66, Cl. 120—42.03.

Johmann, Frank T. Writing instrument. 3,237,604, 3–1–66, Cl. 120—42.03.

John, Harold F., and J. W. Faust, Jr., to Westinghouse Electric Corp. Method of growing crystalline members completely within the solution melt. 3,278,342, 10–11–66, Cl. 148—1.6.

John, James W., and F. R. Watson, to Eastman Kodak Co. Transducer. 3,253,517, 5–31–66, Cl. 92—13.

John, John A., G. E. Smith, and G. A. Dale, to British Celanese Ltd. Production of polyacetyl methylene diamines. 3,228,983, 1–11–66, Cl. 260—561.

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Johns, Clifton D. Ball throwing machine. 3,262,439, 7–26–66, Cl. 124—7.

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Johns, Iral B., to Monsanto Research Corp. Silicon-containing poly(nitrilomethylidynes). 3,274,128, 9–20–66, Cl. 260—2.

Johns, Iral B., and B. S. Wildi, to Monsanto Co. Nitrogenous phosphorus compounds. 3,239,561, 3–8–66, Cl. 260—551.

Johns, Iral B., and B. S. Wildi, to Monsanto Co. Electrical thermistor. 3,239,785, 3–8–66, Cl. 338—22.

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Hutchins, Marsden C. 3,269,889.
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Mastrobattista, Alex A., and Fordon. 3,275,331.
Melichar, Joseph T., Jenssen, and Ostapovich. 3,250,670.
Meserole, Robert H., Slack, Smith, and Verdine. 3,282,-011.
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Powell, Edward R. 3,235,351.
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Remde, Harry F., and Kinzer. 3,246,689.
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Seip, Donald P., Jr., and MacKay. 3,262,595.
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Vander Linden, Carl R., and Riede. 3,233,740.
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Johns-Manville Corp., Societe Anonyme: *See*—
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Johns, Meredith C. Telephone directory stand. 3,245,743, 4–12–66, Cl. 312—320.

Johns, Russell B. Multiple egg cooker. 3,276,350, 10–4–66, Cl. 99—332.

Johns, Stanley K., to Lever Bros. Ltd. Closure for bendable spout on container. 3,278,095, 10–11–66, Cl. 222—507.

Johns, Stanley K., to Lever Bros. Ltd. Closure-actuator for container with flexible tubular spout. 3,294,293, 12–27–66, Cl. 222—507.

Johns, William F., and I. Laos, to G. D. Searle & Co. 3-hydroxy-10,13,14,15b-tetramethyl-1,2,3,4,4a,5,6,6a,6b,7,14,15a,15b-tetradecahydro-15H-naphtha[2',1':1,2]-indeno[5,6-b]indolizine, its esters, and intermediates thereto. 3,228,951, 1–11–66, Cl. 260—296.

Johnson, Albert S., Jr., to Owens-Illinois, Inc. Article dispenser having a rotary trap chamber. 3,276,636, 10–4–66, Cl. 222—368.

Johnson, Albert S., Jr., and I. H. Miller, to Owens-Illinois, Inc. Sifter fitment and cover cap for a container with means to attach the cap to the sifter. 3,276,642, 10–4–66, Cl. 222—545.

Johnson, Albert V., J. Q. Flisram, and H. L. Bridgman, to Rivet-eze, Inc. Rivet removing tool. 3,234,634, 2–15–66, Cl. 29—200.

Johnson, Alfred D., to Sylvania Electric Products Inc. Support structure. 3,231,777, 1–25–66, Cl. 318—239.

Johnson, Alfred D., to Sylvania Electric Products Inc. Readout device having bonding material between a face panel and a cover panel. 3,274,421, 9–20–66, Cl. 313—109.5.

Johnson, Alfred D., to Sylvania Electric Products Inc. Electron gun positioning structure. 3,295,000, 12–27–66, Cl. 313—82.

Johnson, Alfred L., Jr., to The Garrett Corp. Geometrically-spectrally selective radiator. 3,285,333, 11–15–66, Cl. 165—133.

Johnson, Allan S., to Tapmatic Corp. Gearless transmission. 3,227,005, 1–4–66, Cl. 74—798.

Johnson, Allen O.: *See*—
Baker, Cecil J., and Johnson. 3,242,885.

Johnson, Allie, R. D. Choate, P. J. Zimmerman, and E. E. Johnson; said Zimmerman and said E. E. Johnson assors. to Seco, Inc. Bag feeding apparatus. 3,285,606, 11–15–66, Cl. 271—62.

Johnson, Alvin L. Ball for valves. 3,246,873, 4–19–66, Cl. 251—356.

Johnson, Alvin L. Expansible plug leakproof valve. 3,260,-498, 7–12–66, Cl. 251—189.

Johnson, Arthur F. Production of aluminum by electrothermal reduction. 3,230,072, 1–18–66, Cl. 75—10.

Johnson, Arthur F. Separating metals from alloys. 3,239,-899, 3–15–66, Cl. 22—215.

Johnson, Arthur F. Process for separating A-1 values from ores. 3,241,910, 3–22–66, Cl. 23—52.

Johnson, Arthur F. Aluminum production. 3,251,676, 5–17–66, Cl. 75—10.

Johnson, Arthur F. Aluminum production. 3,290,141, 12–6–66, Cl. 75—10.

Johnson, Arthur L.: *See*—
Fox, Charles J., and Johnson. 3,234,280.

Johnson, Arthur L., to F. C. Kingston Co. Pressure actuated valve. 3,272,218, 9–13–66, Cl. 137—102.

Johnsen, Arthur M., Jr., and G. E. Kampschaefer, Jr., to Armco Steel Corp. Low carbon, high strength alloy steel. 3,288,600, 11–29–66, Cl. 75—126.

Johnson, Arthur O., to A. D. J. Corp. Fuel economizer and exhaust gas purifier for internal combustion engines. 3,236,214, 2–22–66, Cl. 123—25.

Johnson, Arthur S., to Ingersoll-Rand Co. Multi-stage seal assembly. 3,233,824, 2–8–66, Cl. 230—185.

Johnson, August M., to Bell Telephone Laboratories, Inc. Traveling wave coaxial light modulator. 3,292,108, 12–18–66, Cl. 332—7.7.

Johnson, Auline S. Safety brake casters for walking aid. 3,237 940, 3–1–66, Cl. 272—70.3.

Johnson, Avery R., to Bio-Dynamics Inc. Fluid operated rowing machine. 3,266,801, 8–16–66, Cl. 272—72.

Johnson, Bernell H.: *See*—
Johnson, Roy W., and B. H. 3,235,012.
Johnson, Roy W., and B. H. 3,261,152.

Johnson, Bertil E., and L. S. Gray, to Minnesota Mining & Mfg. Co. Reel supporting structure. 3,233,728, 2–8–66, Cl. 206—52.

Johnson, Bill. Livestock insecticide applicator. 3,285,231, 11–15–66, Cl. 119—157.

Johnson, Billie L., and J. A. Boyd, to Donaldson Co., Inc. High-pressure seal. 3,275,335, 9–27–66, Cl. 277—180.

Johnson, Bruce E., and J. V. Erwin, to Minnesota Mining and Mfg. Co. Curl resistant laminate. 3,290,206, 12–6–66, Cl. 161—164.

Johnson, Bruce J. Livestock auction game apparatus. 3,228,-694, 1–11–66, Cl. 273—134.

Johnson, C. H., (Machinery) Ltd.: *See*—
Dearden, Brian B. 3,266,599.

Johnson, Carl A. P.: *See*—
Schuchard, Walter F., and Johnson. 3,253,272.

Johnson, Carl E., to General Aniline & Film Corp. Removal of measle spots in paper base reversal print material. 3,240,598, 3–15–66, Cl. 96—22.

Johnson, Carl N. Self-powered variable fluid proportioner. 3,260,212, 7–12–66, Cl. 103—38.

Johnson, Carl R., to Universal Oil Products Co. Variable area inlet well for settling tanks. 3,227,278, 1–4–66, Cl. 210—101.

Johnson, Carl R. Grade measuring device. 3,286,356, 11–22–66, Cl. 33—214.

Johnson, Carl R., and K. F. Tripp, to Markem Machine Co. Method of printing and apparatus therefor. 3,255,-695, 6–14–66, Cl. 101—211.

Johnson, Carl W.: *See*—
Moench, Frank F., and Johnson. 3,289,728.

Johnson, Carl W., to American Machine & Foundry Co. Button stitching machine. 3,236,200, 2–22–66, Cl. 112—110.

Johnson, Carl W., and M. Pedersen, to American Machine & Foundry Co. Button stitching machines. 3,246,618, 4–19–66, Cl. 112—110.

Johnson, Carlis A., and A. M. Sciaky, to Welding Research, Inc. System for controlling length of welding arc. 3,236,997, 2–22–66, Cl. 219—130.

Johnson, Carlton R.: *See*—
Greenkorn, Robert A., and Johnson. 3,285,064.

Johnson, Carlton R., and R. Raynor, to Esso Production Research Co. System for measuring low level pressure differential. 3,247,712, 4–26–66, Cl. 73—152.

Johnson, Carlton W.: *See*—
Martin, Donald N., and Johnson. 3,240,070.

Johnson, Carroll E., to The Boeing Co. Variable vectoring nozzle for jet propulsion engines. 3,260,049, 7–12–66, Cl. 60—35.55.

Johnson, Charles A. Clamp-type surgical instrument. 3,277,-895, 10–11–66, Cl. 128—325.

Johnson, Charles B.: *See*—
Clark, Frank L., Johnson, Erickson, and Buchanan. 3,238,345.

Johnson, Charles H.: *See*—
Dueringer, Erwin G., and Johnson. 3,244,080.
Dueringer, Erwin G., and Johnson. 3,269,277.
Johnson, Charles H., to Oscar Mayer & Co., Inc. Safety apparatus for a conveyor. 3,262,553, 7–26–66, Cl. 198—232.
Johnson, Charles J., to Potlatch Forests, Inc. Wooden box construction. 3,261,492, 7–19–66, Cl. 217—12.
Johnson, Charles M., to Johnson Mfg. Co. Elevating scraper. 3,292,278, 12–20–66, Cl. 37—8.
Johnson, Charles M., and J. E. Lowder, to Johnson Mfg. Co. Earth scraper with retractable bottom wall. 3,274,711, 9–27–66, Cl. 37—129.
Johnson, Charles P., to North American Aviation, Inc. High speed signal translator. 3,261,988, 7–19–66, Cl. 307—88.5.
Johnson, Chester H., Jr. Testing and self-instructional device and method. 3,280,482, 10–25–66, Cl. 35—48.
Johnson, Clarence. Multi-purpose solenoid-pilot valve assembly. 3,254,675. 6–7–66, Cl. 137—625.65.
Johnson, Clarence A., and T. M. Engle, to Hydrocarbon Research, Inc. Direct reduction of metallic ores. 3,227,546, 1–4–66, Cl. 75—26.
Johnson, Clarence L.: *See*—
Harrington, John A., Broersma, Runnells, and Johnson. 3,276,058.
Johnson, Clarence O., to Riegel Textile Corp. Baby panty with hydrophobic lining. 3,237,625, 3–1–66, Cl. 128—288.
Johnson, Claude R., to United States Steel Corp. Roller target for checking concentricity of machined bore. 3,255,530, 6–14–66, Cl. 33—46.
Johnson, Clinton V. and S. G., to The Johnson Gage Co. Screw thread gage for testing for pitch diameter, lead, drunkenness, straightness, roundness and taper. 3,277,578, 10–11–66, Cl. 33—199.
Johnson, Cornell A., to The Norwich Pharmacal Co. 5-nitro-2-furaldehyde-2-ethyl semicarbazone blackhead control compositions and method of using same. 3,253,987, 5–31–66, Cl. 167—53.1.
Johnson Corp., The: *See*—
Calkins, Donald L. 3,242,583.
Monroe, William R., and Gotschall. 3,265,411.
Johnson, Curtis C.: *See*—
Forster, Donald C., Johnson, and Smullin. 3,231,825.
Johnson, Curtis R. A., to Leeds & Northrup Co. Tensioning device for recorder chart paper. 3,285,484, 11–15–66, Cl. 226—85.
Johnson, Dale H.: *See*—
Grenley, Dallas G., Johnson, and Bragg. 3,231,415.
Johnson, Dale R., to Monsanto Co. Method and apparatus for pumping fluid. 3,263,617, 8–2–66, Cl. 103—44.
Johnson, David A.: *See*—
Fecho, Rhine G., and Johnson. 3,278,874.
Harris, Philip H., and Johnson. 3,291,205.
Johnson, David A., to Bristol-Myers Co. Chemical conversion of nitro-penicillins to 6-aminopenicillanic acid. 3,271,409, 9–6–66, Cl. 260—306.7.
Johnson, David A., and G. A. Hardcastle, Jr., to Bristol-Myers Co. Process for the isolation of certain basic penicillins. 3,271,389, 9–6–66, Cl. 260—239.1.
Johnson, David A., and E. J. Richardson, Jr. Penicillins and their production. 3,278,524, 10–11–66, Cl. 260—239.1.
Johnson, David A., and H. H. Silvestri, to Bristol-Myers Co. Aminoaryldisulfonic acid salts of α-aminoarylmethylpenicillins. 3,278,525, 10–11–66, Cl. 260—239.1.
Johnson, David R., to Reynolds Metals Co. Panel locking means and method. 3,257,758, 6–28–66, Cl. 49—463.
Johnson, David W., to The Arrow-Hart & Hegeman Electric Co. Locking means for electric switches. 3,249,708, 5–3–66, Cl. 200—50.
Johnson, David W., to The Arrow-Hart & Hegeman Electric Co. Snap mechanism for slow-break electric switches. 3,270,157, 8–30–66, Cl. 200—67.
Johnson, David W., to The Arrow-Hart & Hegeman Electric Co. Trigger-operated electric switch mechanism. 3,290,463, 12–6–66, Cl. 200—67.
Johnson, David W., to The Arrow-Hart & Hegeman Electric Co. Electric switch with roller and ball contact structure. 3,294,929, 12–27–66, Cl. 200—11.
Johnson, Dean W., to Addressograph-Multigraph Corp. Address printing machines with roller platens. 3,272,120, 9–13–66, Cl. 101—56.
Johnson, Dee L., to Eastman Kodak Co. Mercaptoethylating agent; 2-mercaptoethyltrichloacetate. 3,260,718, 7–12–66, Cl. 260—247.1.
Johnson, Delmar W., to J. A. Naughton, Jr. Sine plate. 3,243,885, 4–5–66, Cl. 33—174.
Johnson, Dewey E., Jr. Dental matrix device. 3,262,208, 7–26–66, Cl. 32—63.
Johnson, Dolores: *See*—
Johnson, Eldon A. 3,238,886.
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Johnson, Eldon A. 3,273,870.
Johnson, Donald: *See*—
Sanders, John E., Disco, Massini, and Johnson. 3,285,354.
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Johnson, Donald C., to Crown Rubber Co. Cloth shoe construction. 3,264,761, 8–9–66, Cl. 36—3.
Johnson, Donald L.: *See*—
Haake, Claus H., Workman, and Johnson. 3,271,668.
Johnson, Donald L. Apparatus for flaking and surfacing wood. 3,240,245, 3–15–66, Cl. 144—176.
Johnson, Donald L. Method and means for breaking the spiral ended wood flakes produced while cutting a flat surface on wood. 3,245,442, 4–12–66, Cl. 144—176.
Johnson, Donald L. Means for obtaining smooth wood flakes while producing a flat surface wood. 3,262,476, 7–26–66, Cl. 144—176.
Johnson, Donald M.: *See*—
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Johnson, Donald W., to Snyder Mfg. Co. Face piece expander unit. 3,267,487, 8–23–66, Cl. 2—9.
Johnson, Douglas, to General Motors Corp. Turbine starter and cooling. 3,286,461, 11–22–66, Cl. 60—39.14.
Johnson, Edgar G., to Minnesota Mining and Mfg. Co. Process of electrodepositing insulative material on photoconductive copysheet. 3,257,304, 6–21–66, Cl. 204—181.
Johnson, Edward. Yieldable driving devices for thread cutting taps. 3,254,353, 6–7–66, Cl. 10—135.
Johnson, Edward E. Surveyor's level rod and range pole holder. 3,239,176, 3–8–66, Cl. 248—166.
Johnson, Edward H., to The American Warming & Ventilating, Inc. Air intake. 3,249,038, 5–3–66, Cl. 98—116.
Johnson, Edward H., to The American Warming & Ventilating, Inc. Weatherproof louver. 3,287,870, 11–29–66, Cl. 52—473.
Johnson, Edward P., and C. A. Abrahamson, to Quality Park Envelope Co. Multi-compartment expandable envelope. 3,236,439, 2–22–66, Cl. 229—72.
Johnson, Eldon A., deceased (by D. Johnson, administratrix), to ACF Industries, Inc. Fuel pump. 3,238,886, 3–8–66, Cl. 103—150.
Johnson, Eldon A., to ACF Industries, Inc. Fuel systems. 3,241,494. 3–22–66, Cl. 103—150.
Johnson, Eldon A., deceased, by D. Johnson, administratrix, to ACF Industries, Inc. Valve structure. 3,263,701, 8–2–66, Cl. 137—533.17.
Johnson, Eldon A., deceased (by D. Johnson, administratrix), to ACF Industries, Inc. Carburetor. 3,273,870, 9–20–66, Cl. 261—41.
Johnson, Eldon A., and E. M. Mason, to ACF Industries, Inc. Fuel systems. 3,252,424, 5–24–66, Cl. 103—150.
Johnson, Eldon E.: *See*—
Johnson, Allie, Choate, Zimmerman, and E. E. Johnson. 3,285,606.
Johnson, Elisha, Jr.: *See*—
Kirchner, Carl E., Jr., and Johnson. 3,285,530.
Johnson, Elisha, Jr., to Fiber Industries, Inc. Doffing device with trigger actuated cutter means. 3,285,114, 11–15–66, Cl. 83—402.
Johnson, Elmer C., to The Vendo Co. Ice breaker unit for staggered stack vending machines. 3,283,953, 11–8–66, Cl. 221—67.
Johnson, Elmer C., and H. L. Keller, to The Vendo Co. Straight column selective bottle vending mechanism. 3,251,505, 5–17–66, Cl. 221—17.
Johnson, Elmer E.: *See*—
Percival, Douglas F., Johnson and Adams. 3,271,444.
Johnson, Elmer H., to J. D. Riordan, and G. C. Libby. Apparatus for knitting selvages on narrow webs. 3,261,376, 7–19–66, Cl. 139—124.
Johnson, Elmer H., to J. D. Riordan and G. C. Libby, trustees of the Libby Family Trusts. Loop catching mechanism in narrow web loom. 3,288,172, 11–29–66, Cl. 139—118.
Johnson, Elmer S., deceased, by L. G. Johnson, executrix, to United States Gypsum Co. Gypsum composition and building construction. 3,269,071, 8–30–66, Cl. 52—338.
Johnson, Elwood R., and M. Downing, to Erie Strayer Co. Hydraulically actuated grapple. 3,294,435, 12–27–66, Cl. 294—88.
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Johnson Fare Box Co.: *See*—
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Griesemer, Raymond H., and Golland. 3,260,454.
Griesemer, Raymond H., and Golland. 3,282,272.
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Johnson Farm Machinery Co., Inc.: *See*—
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Johnson-Fast-Print Machine Corp., The: *See*—
Johnson, James R. 3,227,078.
Johnson, Francis, to The Dow Chemical Co. Dibenzostannole compounds. 3,234,239, 2–8–66, Cl. 260—329.
Johnson, Francis, to The Dow Chemical Co. Thio substituted 3 amino isoquinolines. 3,247,212, 4–19–66, Cl. 260—287.
Johnson, Francis, to The Dow Chemical Co. 2-amino-6-thio hydrocarbon-pyridines. 3,247,214, 4–19–66, Cl. 260—294.8.
Johnson, Francis, to The Dow Chemical Co. Process for the preparation of amino-halogeno isoquinolines. 3,277,096, 10–4–66, Cl. 260—286.

Johnson, Francis, and W. A. Nasutavicus, to The Dow Chemical Co. Certain 4-aminothiazole compounds and their preparation. 3,244,723, 4–5–66, Cl. 260—306.8.
Johnson, Francis, and W. A. Nasutavicus, to The Dow Chemical Co. N-cyano-glycinonitriles preparatory process. 3,261,861, 7–19–66, Cl. 260—465.
Johnson, Francis, and W. A. Nasutavicus, to The Dow Chemical Co. Substituted 2-halo-4-aminoimidazoles and preparatory process. 3,261,873, 7–19–66, Cl. 260—309.
Johnson, Frank E., and T. E. Lewis, to Rietz Mfg. Co. Air lift drier. 3,273,257, 9–20–66, Cl. 34—57.
Johnson, Frank F., and J. Tittman, to Schlumberger Well Surveying Corp. High resolution apparatus using a gamma ray source and detector for investigating earth formations. 3,263,083, 7–26–66, Cl. 250—83.6.
Johnson, Fred M., to Radio Corp. of America. Processing metal vapor tubes. 3,290,110, 12–6–66, Cl. 316—3.
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Brown, Elvin E., and Johnson. 3,266,746.
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Johnson, Stanley G. 3,270,427.
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Ackerman, Daniel W., Johnson, and Ragard. 3,254,821.
Johnson, Geoffrey, to Fermat Ltd. Photosensitive apparatus for deriving registrations between relatively movable members. 3,238,375, 3–1–66, Cl. 250—219.
Johnson, George B. Cut-off tool and holder therefor. 3,230,802, 1–25–66, Cl. 82—36.
Johnson, George B. Cut-off tool and holder assembly. 3,234,828, 2–15–66, Cl. 82—36.
Johnson, George C., to Mobil Oil Corp. Fuel cell and fuel cell operating oxidizing hydrogen sulfide. 3,266,941, 8–16–66, Cl. 136—86.
Johnson, Gerald A.: *See*—
Shaw, Robert F., and Johnson. 3,282,149.
Johnson, Gilbert H., to American Air Filter Co., Inc. Voltage indicator arrangement for electrostatic precipitators. 3,266,222, 8–16–66, Cl. 55—104.
Johnson, Glenn A., to United States of America, Navy. Eccentrically pivoted jetevator with conformable seal. 3,285,520, 11–15–66, Cl. 239—265.35.
Johnson, Glenn D.: *See*—
Watkins, Bruce J., and Johnson. 3,233,314.
Watkins, Bruce J., and Johnson. 3,260,270.
Johnson, Glenn D., to Shell Oil Co. Underwater camera mounting system. 3,227,804, 1–4–66, Cl. 178—6.
Johnson, Glenn D., and B. J. Watkins, to Shell Oil Co. Underwater wellhead with re-entry lubricator. 3,242,991, 3–29–66, Cl. 166—66.5.
Johnson, Glenn D., and B. J. Watkins, to Shell Oil Co. Drilling underwater wells. 3,256,936, 6–21–66, Cl. 166—46.
Johnson, Gordon, Co.: *See*—
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Braeking, Richard A. 3,254,506.
Crawford, Robert D., and Bonuchi. 3,263,270.
Crawford, Robert D., Lenagar, and Zebarth. 3,247,644.
Engkjer, Harvey E., Furlong, and Zebarth. 3,277,515.
Johnson, Graham K., to SI Handling Systems, Inc. Tow truck switching system. 3,261,300, 7–19–66, Cl. 104—88.
Johnson, Grannis S., and D. E. Graham, to General Aniline & Film Corp. Method for the production of benzyl anilines. 3,261,869, 7–19–66, Cl. 260—570.9.
Johnson, Hamilton, to Packaging Corp. of America. Adhesive pattern for self-sealing container. 3,276,664, 10–4–66, Cl. 229—48.
Johnson, Harlan B.: *See*—
Welch, Lester M., Johnson, and Taylor. 3,278,266.
Johnson, Harold A., to American Machine & Foundry Co. Timepiece escapement. 3,287,897, 11–29–66, Cl. 58—116.
Johnson, Harold D., to Aero-Dyne Corp. Aerosol fogging device. 3,229,409, 1–18–66, Cl. 43—129.
Johnson, Harold D., to Aero-Dyne Corp. Method for spraying thixotropic glass bead mixtures and the like. 3,263,927, 8–2–66, Cl. 239—1.
Johnson, Harold I., to United States of America, National Aeronautics and Space Administration. Training vehicle for controlling attitude. 3,281,963, 11–1–66, Cl. 35—12.
Johnson, Harold I., and W. C. Huber, to United States of America, National Aeronautics and Space Administration. Hand-held self-maneuvering unit. 3,270,986, 9–6–66, Cl. 244—4.
Johnson, Harold K., and R. H. Ayres, to Remis Co., Inc. Bag top sealing machine and method for forming a bag top closure. 3,286,433, 11–22–66, Cl. 53—39.
Johnson, Harry: *See*—
Young, William E., Wolfelsperger, and Johnson. 3,280,728.
Johnson, Harry T., and V. Milenkovic, to American Machine & Foundry Co. Plural tape fed motor control system with tape sequence controller. 3,265,946, 8–9–66, Cl. 318—18.
Johnson, Harry W. Drilling reaming work extruding self-taping screw. 3,238,836, 3–8–66, Cl. 85—47.
Johnson, Helge C., to Certain-Teed Products Corp. Package arranging equipment. 3,241,692, 3–22–66, Cl. 214—6.
Johnson, Helge C., to Certain-Teed Products Corp. Package arranging equipment. 3,247,981, 4–26–66, Cl. 214—6.
Johnson, Helge C., and G. V. Beggin, to Certain-Teed Products Corp. Apparatus for shaping straps for use in the handling of stacks of goods. 3,267,713, 8–23–66, Cl. 72—297.

Johnson, Henry H. Position sensing system. 3,265,951, 8–9–66, Cl. 318—467.
Johnson, Henry H. Gas pressure to liquid pressure converting systems. 3,276,330, 10–4–66, Cl. 91—4.
Johnson, Herbert E.: *See*—
Crosby, Donald G., and Johnson. 3,256,095.
Johnson, Herbert E., to Union Carbide Corp. Process for the preparation of 2-(acylamidoalkyl)benzimidazoles. 3,255,202. 6–7–66, Cl. 260—309.2.
Johnson, Herbert G. Extrusion apparatus and method. 3,279,230. 10–18–66, Cl. 72—259.
Johnson, Herbert L.: *See*—
McNelis, Edward J., and Johnson. 3,287,403.
Oswald, Robert G., Harvey, and Johnson. 3,231,462.
Polishuk, Arthur T., and Johnson. 3,290,244.
Johnson, Hjalmar E., to The Dow Chemical Co. Spout. 3,288,178, 11–29–66, Cl. 141—330.
Johnson, Howard E., & Associates: *See*—
Johnson, Paul H. 3,264,099.
Johnson, Howard M., and J. D. Irons, to Orbit Valve Co. Apparatus for hydraulically removing and replacing interference fitted parts and the like. 3,267,568, 8–23–66, Cl. 29—213.
Johnson, Howard P., to Iowa State University Research Foundation, Inc. Flow meter. 3,230,768, 1–25–66, Cl. 73—205.
Johnson, Hugh A., Sr. Planter. 3,293,798, 12–27–66, Cl. 47—34.12.
Johnson, Irving A., and S. Stasenko, to A. O. Smith Corp. Petroleum pumping system and header structure. 3,259,280, 7–5–66, Cl. 222—333.
Johnson, Irving A., and S. Stasenko, to A. O. Smith Corp. Pumping system and leak detection unit control therefor. 3,273,753, 9–20–66, Cl. 222—52.
Johnson, James A., Jr., and E. D. Luallin, to Esso Research and Engineering Co. Purifying recycle streams in integrated process for preparing halogenated butyl rubber and butyl rubber latex. 3,257,349, 6–21–66, Cl. 260—29.7.
Johnson, James E., to Gossett Machine Works, Inc. Method of processing textile slivers. 3,226,925, 1–4–66, Cl. 57—156.
Johnson, James R., to The Johnson-Fast-Print Machine Corp. Structure and operation of color boxes of printing apparatus. 3,227,078, 1–4–66, Cl. 101—178.
Johnson, James W.: *See*—
Hauschild, Fredrick G., and Johnson. 3,266,650.
Johnson, Jarvis H. Cable installing device. 3,255,996, 6–14–66, Cl. 254—134.3.
Johnson, Jay H., to Kentucky Electronics, Inc. Method of making a focus anode. 3,231,959. 2–1–66, Cl. 29—25.14.
Johnson, Jay H., to Kentucky Electronics Inc. Laterally spaced electrode mounts for electron guns. 3,239,708, 3–8–66. Cl. 313—82.
Johnson, Jay H., to Kentucky Electronics Inc. Matrix multiple gun assembly for cathode ray tube. 3,250,935, 5–10–66, Cl. 313—70.
Johnson, Jay H., to Kentucky Electronics Inc. Aligned electrode holders for mounting parallel array of electron guns. 3,258,625, 6–28–66, Cl. 313—69.
Johnson, Jerry E., to Ryan Recording Thermometer Co. Warning system for temperature controlled craft compartment. 3,260,063, 7–12–66, Cl. 62—126.
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Johnson, Leo F., and K. Nassau, to Bell Telephone Laboratories, Inc. Optical maser comprising the active medium $CaWO_4:Ho$. 3,248,668, 4–26–66, Cl. 331—94.5.

Johnson, Leo F., and R. R. Soden, to Bell Telephone Laboratories, Inc. Optical masers comprising the active media $SrMoO_4:Nd$, $CaMoO_4:Nd$, and $PbMoO_4:Nd$. 3,257,625, 6–21–66, Cl. 331—94.5.

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Johnson, Norman W., and R. P. Farrell, Jr., to General Electric Co. Lubricated shaft and shaft seal. 3,289,953, 12–6–66, Cl. 241—257.

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Johnson, Paul H., to The Firestone Tire & Rubber Co. Preparation of high cis-1,4 polybutadiene. 3,254,069, 5–31–66, Cl. 260—94.3.

Johnson, Paul H., to Howard E. Johnson & Associates. Hydro-metallurgical method and apparatus. 3,264,099, 8–2–66, Cl. 75—101.

Johnson, Paul W., to The Johnson Gage Co. Gage with fixed spaced gaging elements and an axially movable gaging element therebetween. 3,270,424, 9–6–66, Cl. 33—174.

Johnson, Peter D., and J. T. La Tourrette, to General Electric Co. Light source for color synthesis. 3,293,493, 12–20–66, Cl. 315—358.

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Johnson, Philip C., to Union Carbide Corp. Purification of alcohols. 3,232,848, 2–1–66, Cl. 203—35.

Johnson, Philip E., 50% to M. C. Lessa. Combination cartridge. 3,274,934, 9–27–66, Cl. 102—38.

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Johnson, Rayner S., to E. I. du Pont de Nemours and Co. Herbicidal compositions and methods employing 3-phenyl-3-alkoxyureas. 3,278,292, 10–11–66, Cl. 71—2.6.

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Johnson, Richard. Educational devices. 3,281,966, 11–1–66, Cl. 35—21.

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Damisch, George A., Jr., and Johnson. 3,238,045.

Johnson, Richard C.: *See*—
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Johnson, Richard J. Paint receptacle and paint roller device. 3,241,175, 3–22–66, Cl. 15—520.

Johnson, Richard M., to Ling-Temco-Vought, Inc. Overrideable ball clutch. 3,260,334, 7–12–66, Cl. 192—56.

Johnson, Richard M., to Ling-Temco-Vought, Inc. Three-axis and translational movement controller. 3,260,826, 7–12–66, Cl. 200—157.

Johnson, Richard O., to Hexacon Electric Co. Soldering tip for electric soldering irons. 3,245,599, 4–12–66, Cl. 228—54.

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Johnson, Robert B., to Eastman Kodak Co. Flexible threading guide. 3,265,320, 8–9–66, Cl. 242—76.

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Johnson, Robert C., J. K. Alley, W. H. Warwick, and H. R. Shell, to United States of America, Interior. Synthesis of fibrous silicon nitride. 3,244,480, 4–5–66, Cl. 23—191.

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Johnson, Robert J., and T. W. Findley, to Swift & Co. Bonded plastic segments. 3,271,230, 9–6–66, Cl. 161—184.

Johnson, Robert K.: *See*—
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Johnson, Robert L. Railroad car for transporting automobiles and passengers. 3,228,352, 1–11–66, Cl. 105—368.

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Johnson, Robert M. Tire repair process. 3,251,721, 5–17–66, Cl. 156—97.

Johnson, Robert M. Thermally controlled drive mechanism. 3,277,595, 10–11–66, Cl. 40—37.

Johnson, Robert M., and C. A. Axelson, to United States of America, Navy. Deep depth line charge. 3,276,366, 10–4–66, Cl. 102—7.

Johnson, Robert R. Outboard motor carrier for trunk lid of an automobile. 3,229,838, 1–18–66, Cl. 214—450.

Johnson, Robert S., F. R. Williamson, Jr., and J. L. Hammond, Jr., to United States of America, Air Force. Analog to incremental-digital converter. 3,246,317, 4–12–66, Cl. 340—347.

Johnson, Robert W.: *See*—
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Johnson, Robert W., to Guardian Electric Mfg. Co. Coil bobbin and matching cover. 3,230,490, 1–18–66, Cl. 336—198.

Johnson, Roderick A. Automatic selectivity control circuit. 3,227,961, 1–4–66, Cl. 330—59.

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Donnelly, John F., and Johnson.

Johnson, Roland E., to Columbus Plastic Products, Inc. Plastic shoe tree. 3,263,252, 8–2–66, Cl. 12—116.6.

Johnson, Ronald L., to Giannini Scientific Corp. Arc compounded combustion and flame arrangement. 3,246,115, 4–12–66, Cl. 219—121.

Johnson, Ronald V.: *See*—
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Johnson, Ronald V., and W. H. Rasmussen, to Waldorf Paper Products Co. Divisible container. 3,276,667, 10–4–66, Cl. 229—51.

Johnson, Rowland E., and E. C. Wurst, Jr., to Texas Instruments Inc. Gallium arsenide body containing copper. 3,259,815, 7–5–66, Cl. 317—237.

Johnson, Rowland E., and E. C. Wurst, Jr., to Texas Instruments Inc. Double doping of III–V compound semiconductor material. 3,277,006, 10–4–66, Cl. 252—62.3.

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Johnson, Rulon E., Jr., and S. Raynolds, to E. I. du Pont de Nemours and Co. Polymeric water and oil repellents. 3,256,230, 6–14–66, Cl. 260—29.6.

Johnson, Rulon E., Jr., and S. Raynolds, to E. I. du Pont de Nemours and Co. Polymeric water and oil repellents. 3,256,231, 6–14–66, Cl. 260—29.6.

Johnson, Russell L.: *See*—
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Johnson, Russell W. Terminal insulators. 3,243,504, 3–29–66, Cl. 174—138.

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Kitzke, Eugene D., and Schrader.
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Sesso, Louis M.
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Johnson, Sam H., Jr.: *See*—
Hagemeyer, Hugh J., Jr., and Johnson.

Johnson, Sam H., Jr., M. Statman, and A. E. Blood, to Eastman Kodak Co. Glycol monovinyl ether. 3,287,420, 11–22–66, Cl. 260—615.

Johnson, Samuel L., to Mole-Richardson (England) Ltd. Television and film studio lamp. 3,267,274, 8–16–66, Cl. 240—3.

Johnson, Sanders R. Tool for polishing pipe fittings and the like. Re. 26,039. 6–14–66, Cl. 51—392.

Johnson, Sanders R. Combined humidifier and hot water radiator. 3,265,305, 8–9–66, Cl. 237—78.

Johnson Service Co.: *See*—
Alyea, Harold W., Jurasinski, and Fliss.
Bjornsen, Bjorn G., and Lechner.
Bjornsen, Bjorn G., and Lechner.
Bjornsen, Bjorn G., and Lechner.
Bjornsen, Bjorn G., Lechner, and Sorenson.
Burley, Billy.
Burley, Billy.
Burley, Billy.
Burley, Billy.
Burley, Billy.
Corbell, Paul I.
Corbell, Paul I.
Hilgert, Adolph J.
Smith, Walter J.
Wohrer, Henry F.

Johnson, Seward R.: *See*—
Ricketts, Colin J., Bodnar, Braithwaite, Johnson, and Wheeler.

Johnson, Shelby. Golfer's head movement indicator. 3,243,186, 3–29–66, Cl. 273—183.

Johnson, Stanley E.: *See*—
Burnham, John, and Johnson.

Johnson, Stanley G.: *See*—
Johnson, Clinton V. and S. G.

Johnson, Stanley G., to The Johnson Gage Co. Thread gage setting or clamping device. 3,270,427, 9–6–66, Cl. 33—199.

Johnson, Stephen I., and A. L. Ludwig, to Hastings Mfg. Co. Flexible shaft seal having a tilting sealing lip. 3,235,271, 2–15–66, Cl. 277—47.

Johnson, Sterling C. Heat pump and charge modulating means. 3,264,838, 8–9–66, Cl. 62—149.

Johnson, Stewart C., to Westinghouse Electric Corp. Oven. 3,249,731, 5–3–66, Cl. 219—10.55.

Johnson, Stewart C., to Westinghouse Electric Corp. Oven. 3,260,832, 7–12–66, Cl. 219—10.55.

Johnson, T. Lawrence: *See*—
Bode, Charles H.

Johnson, Terrell: *See*—
Tarlton, John W., and Johnson.

Johnson, Theron C., to General Electric Co. Self-lubricating bearing. 3,294,457, 12–27–66, Cl. 308—127.

Johnson, Thomas A.: *See*—
Hampton, Verner W., Renwick, Green, and Johnson.
Hampton, Verner W., Renwick, Green, and Johnson.

Johnson, Thomas A., to Pneuways Development Co. (Private) Ltd. Wheeled vehicles and bogies therefor. 3,230,899, 1–25–66, Cl. 105—4.

Johnson, Thomas E.: *See*—
Zentmaier, Karl H., and Johnson.

Johnson, Thomas E., to John Mathews & Co. Ltd., and Hardman & Holden Ltd. Emulsion paint comprising: pigment, binder, colloidal thickener and zirconyl carbonate complex. 3,280,050, 10–18–66, Cl. 260—17.

Johnson, Thomas E., to Stainless Foundry & Engineering, Inc. Ferrous-base, hardenable, corrosion-resistant, high-strength, high-ductility alloy. 3,285,788, 11–15–66, Cl. 75—128.

Johnson, Thomas H. Vaginal devices. 3,261,353, 7–19–66, Cl. 128—127.

Johnson, Tilden W. Extensible tubeless tire bead and adjacent sidewall annulus. 3,247,879, 4–26–66, Cl. 152—158.

Johnson, Tilden W. Auxiliary wheel buffer inside a tire. 3,250,310, 5–10–66, Cl. 152—158.

Johnson, Tilden W. Internal buffer with safety tire. 3,251,391, 5–17–66, Cl. 152—158.

Johnson, Tilden W. Rims for safer pneumatic wheel assembly. 3,282,321, 11–1–66, Cl. 152—379.

Johnson, Tomlinson F. Quick break arc horn for horizontally opening air break switches. 3,230,324, 1–18–66, Cl. 200—48.

Johnson, Vincent C. Underwater well head encasement structure. 3,247,672, 4–26–66, Cl. 61—46.

Johnson, Virgil H., Jr., to The Magnavox Co. Arming and firing mechanism. 3,252,417, 5–24–66, Cl. 102—16.

Johnson, Waldo O. Window assembly having balance means and removable sashes. 3,239,892, 3–15–66, Cl. 20—52.2.

Johnson, Waldo O., to Weather-Seal, Inc. Door with self-storing panel. 3,244,222, 4–5–66, Cl. 160—102.

Johnson, Waldo O., to Weather-Seal, Inc. Pivotal sash and balance assembly. 3,248,821, 5–3–66, Cl. 49—175.

Johnson, Waldo O., to Weather-Seal Inc. Slidable sash and latch assembly. 3,280,511, 10–25–66, Cl. 49—446.

Johnson, Wallace, to Liquid Levels Lectronics Inc. Tank gauge and level responsive device therefor. 3,246,518, 4–19–66, Cl. 73—313.

Johnson, Wallace C., to Arcos Corp. Overlay welding. 3,271,553, 9–6–66, Cl. 219—76.

Johnson, Wallace C., to Arcos Corp. Overlay welding. 3,271,554, 9–6–66, Cl. 219—76.

Johnson, Wallace C., and J. A. Crum, to Olin Mathieson Chemical Corp. Boat hulls. 3,237,219, 3–1–66, Cl. 9—6.

Johnson, Wallace E.: *See*—
Emmermann, Dieter K., Davids, and Johnson.
Emmermann, Dieter K., Davids, Johnson, and Zarchin.

Johnson, Wallace E., to Desalination Plants (Developers of Zarchin Process) Ltd. Evaporating and condensing chamber apparatus. 3,255,605, 6–14–66, Cl. 62—123.

Johnson, Wallace E., J. H. Davids, and D. K. Emmermann, to Desalination Plants (Developers of Zarchin Process) Ltd. Freeze crystallization apparatus for separating a solvent. 3,255,603, 6–14–66, Cl. 62—123.

Johnson, Wallace E., J. H. Davids, and D. K. Emmermann, to Desalination Plants (Developers of Zarchin Process) Ltd. Evaporating and condensing chamber and compressor apparatus. 3,255,604, 6–14–66, Cl. 62—123.

Johnson, Wallace E., P. A. Weiss, and J. H. Davids, to Desalination Plants Ltd. (developers of Zarchin Process). Freeze concentration apparatus with a tangential feed. 3,292,386, 12–20–66, Cl. 62—123.

Johnson, Walter C., and N. A. Judsen, to Armstrong Machine Works. Steam trap. 3,283,774, 11–8–66, Cl. 137—185.

Johnson, Waverly V. Stair climbing wheel chair. 3,253,837, 5–31–66, Cl. 280—5.22.

Johnson, Wayne R., to Minnesota Mining and Mfg. Co. Transducing system having damping means for constant speed control. 3,237,831, 3–1–66, Cl. 226—178.

Johnson, Wayne R., to Winston Research Corp. Wide-band signal-translating channel. 3,288,930, 11–29–66, Cl. 179—1.

Johnson, Wayne R., to Winston Research Corp. Equalizer circuit. 3,289,095, 11–29–66, Cl. 330—69.

Johnson, Wayne R., and F. S. C. Branco, to Winston Research Corp. Variable power level frequency modulation transmitter. 3,262,056, 7–19–66, Cl. 325—145.

Johnson, Wayne R., and R. V. Roelofs, to Minnesota Mining and Mfg. Co. Transducing system. 3,262,124, 7–19–66, Cl. 346—74.

Johnson, Wendell R.: *See*—
Blenman, William G., and Johnson.

Johnson, Wilbur E.: *See*—
Smith, John C. and Johnson.

Johnson, Willard L., R. G. Millhiser, and N. J. Panzica, to Ajem Laboratories, Inc. Grit reclamation method. 3,278,027, 10–11–66, Cl. 209—155.

Johnson, Willard M., L. B. Carr, and L. A. Painter, to Atlas Corp. Method of and apparatus for controlling addition of reagents to the feed of phase separation vessels. 3,287,263, 11–22–66, Cl. 210—48.

Johnson, William A., to Bell & Howell Co. Motion picture camera. 3,275,399, 9–27–66, Cl. 352—141.

Johnson, William C.: *See*—
Armenlades, Constantine D., Johnson, and Raphael.

Johnson, William E., and B. B. Mathias, to Owens-Illinois Inc. Inspecting containers with lug finishes. 3,249,223, 5–3–66, Cl. 209—88.

Johnson, William F., to The Ingersoll Milling Machine Co. Indexable cutter blade. 3,279,035, 10–18–66, Cl. 29—95.

Johnson, William H., to The Elmco Corp. Sand filter distributor nozzle. 3,245,540, 4–12–66, Cl. 210—291.

Johnson, William J. Automatic cribbage board. 3,266,724, 8–16–66, Cl. 235—90.

Johnson, William R., and K. A. Flesher, to Associated Spring Corp. Slotted Belleville spring. 3,259,383, 7–5–66, Cl. 267—1.

Johnson, William V., and G. A. Tompkins, Jr., to The Western Union Telegraph Co. Motor driven tape scanner and rewinder. 3,235,197, 2–15–66, Cl. 242—67.4.

Johnson, William W. A.: *See*—
Norman, Daniel P., Johnson, and Dorsey.
Norman, Daniel P., Johnson, and Dorsey.

Johnston, Alex M. Sliding closure latches. 3,266,832, 8–16–66, Cl. 292—228.

Johnston, Alex M. Door structures. 3,270,477, 9–6–66, Cl. 52—627.

Johnston, Alex M. Sliding closure latches. 3,282,616, 11–1–66, Cl. 292—128.

Johnston, Archibald P. Guiding conduit for wire or the like. 3,240,233, 3–15–66, Cl. 138—108.

Johnston Bros., Inc.: *See*—
Johnston, John F., Jr.

Johnston, Bruce B., to Sylvania Electric Products Inc. Filament suspension. 3,244,928, 4–5–66, Cl. 313—271.

Johnston, David B., and N. G. Cristy. Folding turntable. 3,246,613. 4–19–66, Cl. 108—20.

Johnston, Donald C., to Honeywell Inc. Control apparatus and photomechanical processes for producing such. 3,240,602. 3–15–66, Cl. 96—36.

Johnston, Donald F., R. D. Kroning, and J. Orost, to Bell Telephone Laboratories, Inc. Training equipment for telephone operators. 3,261,111, 7–19–66, Cl. 35—6.

Johnson, Donald S. Fish steak producing machine. 3,230,579. 1–25–66, Cl. 17—32.

Johnston, Edward J. Flexible rake basket mounting for side delivery rake. 3,245,212, 4–12–66, Cl. 56—377.

Johnston, Edward J., to International Harvester Co. Rake tooth with releasable tine construction. 3,253,393, 5–31–393. 5–31–66, Cl. 56—400.

Johnston, Edward J., to International Harvester Co. Rake tooth construction. 3,261,153, 7–19–66, Cl. 56—400.

Johnston, Edward J., and F. J. Macha, Jr., to International Harvester Co. Replaceable rake tine and means for mounting same. 3,253,394, 5–31–66, Cl. 56—400.

Johnston, Edward J., and F. J. Macha, Jr., to International Harvester Co. Rake tooth constructin with replaceable tine. 3,253,395, 5–31–66, Cl. 56—400.

Johnston, Eric: *See*—
Stark, Bernard P., Humphreys, and Johnston.

Johnston, Everett A.: *See*—
Kurti, Alexander, and Johnston.

Johnston, Frederic A.: *See*—
Van Blaricom, Lloyd E., and Johnston.

Johnston, Gene W., R. I. Malani, and M. W. Scott, to Warner-Lambert Pharmaceutical Co. Process for stabilizing shellac coating. 3,274,061, 9–20–66, Cl. 167—82.

Johnston, Gerald J., to Eastman Kodak Co. Water-swellable colloidal magnesium aluminum silicate photographic composition. 3,265,501, 8–9–66, Cl. 96—61.

Johnston, Gerald T.: *See*—
Manners, Frank A., Schurr, and Johnston.
Musick, Harold E., Johnston, and Penkowski.

Johnston, Harold E. Firing mechanism for break-action over and under firearm. 3,276,158, 10–4–66, Cl. 42—41.

Johnston, Harold R.: *See*—
Hardin, Johnny L., and Johnston.

Johnston, Henry E., to Philco Corp. Phonograph apparatus. 3,271,035, 9–6–66, Cl. 274—23.

Johnston, Howard, to The Dow Chemical Co. Carbamate esters of trichloro and tetrachloro pyridine. 3,249,619, 5–3–66, Cl. 260—295.

Johnston, Howard, and M. S. Tomita, to The Dow Chemical Co. Certain ethers of (trichloromethyl)-pyridine compounds. 3,244,722, 4–5–66, Cl. 260—294.8.

Johnston, Howard, and M. S. Tomita, to The Dow Chemical Co. 4-methoxypolychloropyridines. 3,256,290, 6–14–66, Cl. 260—297.

Johnston, Howard, and M. S. Tomita, to The Dow Chemical Co. Amino-trichloropicolinic acid compounds. 3,285,925, 11–15–66, Cl. 260—294.9.

Johnston, Howard, and M. S. Tomita, to The Dow Chemical Co. Alkoxyethoxypolychloropyridines. 3,291,804, 12–13–66, Cl. 260—297.

Johnston, Jack F.: *See*—
Huber, Kenneth J., Johnston, Nissen, and Pourie.
Huber, Kenneth J., Johnston, Nissen, and Pourie.

Johnston, James D.: *See*—
De Pree, David O., and Johnston.

Johnston, James V., to United States of America, Army. Symmetrical compliance air bearing gyro. 3,247,725, 4–26–66, Cl. 74—5.

Johnston, John F., Jr., to Johnston Bros., Inc. Snow disposal unit. 3,228,390, 1–11–66, Cl. 126—343.5.

Johnston, Joseph C.: *See*—
Burmaster, Chester F., and Johnston.

Johnston, Katharine G.: *See*—
Farrar, Martin W., and Johnston.

Johnston, Kent H.: *See*—
De Lord, Jean F., Myers, and Johnston.

Johnston, Leslie A. Polished rod protector and blow deflector. 3,270,810, 9–6–66, Cl. 166—84.

Johnston, Loyal L., to Herman Pneumatic Machine Co. Apparatus for forming foundry molds for casting pipes. 3,255,497, 6–14–66, Cl. 22—17.

Johnston, Mack S. Siphon device for beer kegs and the like. 3,231,154, 1–25–66, Cl. 222—400.7.

Johnston, Nelson G., to The Dow Chemical Co. Hydrocarbon oil-aqueous acid rubber emulsion. 3,284,397, 11–8–66, Cl. 260—29.7.

Johnston, Norris. Water flooding process. 3,288,211, 11–29–66, Cl. 166—9.

Johnston, Orin B., and C. M. Sheldon. Uniform spraying apparatus. 3,282,273, 11–1–66, Cl. 134—102.

Johnston, Ralph L.: *See*—
De Loach, Bernard C., Jr., and Johnston.

Johnston, Raymond H.: *See*—
Cobine, James D., and Johnston.

Johnston, Robert T., and L. F. Megin, to Northrop Corp. Aircraft camera mount. 3,234,866, 2–15–66, Cl. 95—12.5.

Johnston Testers, Ltd.: *See*—
Jensen, Lloyd I.
Jensen, Lloyd I.

Johnston, William A.: *See*—
Bryant, John H., and Johnston.

Johnston, William D., to General Electric Co. Electrical connector. 3,243,755, 3–29–66, Cl. 339—47.

Johnston, William H., to Melpar, Inc. Shielded tuning fork. 3,243,736. 3–29–66, Cl. 333—71.

Johnston, William H., to William H. Johnston Laboratories, Inc. Radioactive method of detection of hidden explosives. 3,255,352, 6–7–66, Cl. 250—83.3.

Johnston, William H., Laboratories, Inc.: *See*—
Johnston, William H.
Vestal, Marvin L.

Johnston, William J., to General Motors Corp. Igniter plug with spark-sensing means. 3,274,487, 9–20–66, Cl. 324—17.

Johnston, William R., and H. A. Cramer, to Electra Mfg. Co. Precision electrical resistor. 3,282,730, 11–1–66, Cl. 117—212.

Johnston, Winfield: *See*—
Zuck, Ray A., Johnston, and Panzer.

Johnstone, Robert D., and C. E. Wakefield, Jr., to Richfield Oil Corp. Drilling and production apparatus and method. 3,236,301. 2–22–66, Cl. 166—5.

Johnstone, Robert D., and D. C. Kofahl, to Richfield Oil Corp. Well drilling method. 3,285,337. 11–15–66, Cl. 166—.5.

Johnstone, Robert D., and C. E. Wakefield, Jr., to Richfield Oil Corp. Drilling and production method. 3,291,210, 12–13–66. Cl. 166—.6.

Johnstone, Russell: *See*—
McHugh, Dennis, H. J., and Johnstone.

Johswich, Friedrich, to Reinluft G.m.b.H. Method of and apparatus for removing sulfur compounds from gases. 3,284,158. 11–8–66, Cl. 23—178.

Joiner, Edgar E., to United Shoe Machinery Corp. Machines for grooving plastic heels. 3,247,535, 4–26–66, Cl. 12—47.1.

Joiner, George R.: *See*—
Bost, John J., Bernard, and Joiner.

Joint Controls, Inc.: *See*—
Cooper, William M., and Thorp.

Joints, Inc.: *See*—
Calder, William G.

Joiret, Jacques: *See*—
Jarasse, Lucien, and Joiret.

Jokihaara, Lauri: *See*—
Häyrinen, Raimo I., and Jokihaara.

Jokl, Alois L.: *See*—
Langston, Earl M., and Jokl.

Jolew Corp.: *See*—
Lewczyk, Edward A.

Joline, Everett S., to Sperry Rand Corp. Vibration analyzer. 3,277,695, 10–11–66, Cl. 73—71.4.

Jolitz, William L.: *See*—
Conklin, Robert M., Satchell, and Jolitz.
Satchell, Fred E., Jolitz, Weisz, and Rytina.

Jolivet, Pierre F. M. J., G. E. Caille, and J.-F. Olagnier, to Pneumatiques, Caoutchouc Manufacture et Plastiques Kleber colombes. High speed tire. 3,233,649, 2–8–66, Cl. 152—361.

Jelkovski, Robert M., A. C. Laws, and D. H. Powers; 50% to Delavan Mfg. Co., 50% to The Aro Corp. Method for making capsules by interfacial polymerization. 3,270,100, 8–30–66, Cl. 264—4.

Jolles, Georges, and J. Robert, to Rhone-Poulenc S.A. 17a-substituted-17β-hydroxy androstane and androstene derivatives. 3,254,099, 5–31–66, Cl. 260—397.4.

Jollet, Paul: *See*—
Lapp, Wilhelm, G., C., and M., and Jollet. 3,250,160.

Jolley, Gordon B., to Esso Research and Engineering Co. Fluid bed process. 3,251,677, 5–17–66, Cl. 75—26.

Jolley, William L.: *See*—
Cole, Ronald L., and Jolley. 3,249,266.

Jolls, Lewis M.; deceased; and I. Timmons, administratrix. Mounting for mower atachment. 3,274,762, 9–27–66, Cl. 56—25.4.

Jolly, Claude R. Indexing fixture. 3,292,497, 12–20–66, Cl. 90—56.

Jolly, Ian A., to Girling Ltd. Air brake valve modified input. 3,269,782, 8–30–66, Cl. 303—6.

Jolly, James A., to Varian Associates. Electron tube and cathode therefor. 3,252,040, 5–17–66, Cl. 313—256.

Jolley, Jean: *See*—
Joly, Robert, Warnant, and Jolly. 3,282,785.

Jolly, Joseph W., Jr.: *See*—
Rossitto, Conrad, and Jolly. 3,247,536.

Jolly, Ross T. Insulating tumbler. 3,257,025, 6–21–66, Cl. 220—85.

Joly, Jean A., to Societa Rhodiaceta. Production of crimped yarns. 3,239,304, 3–8–66, Cl. 8—130.1.

Joly, Robert, J. Warnant, and J. Jolly, to Roussel-UCLAF. 3-keto-4,9-dienic-11β-hydroxy-19 nor steroids useful in the treatment of hypercholesterolemia. 3,272,785, 11–1–66, Cl. 167—65.

Joly, Robert, J. Warnant, and B. Goffinet, to Roussel-UCLAF. Process of preparation of unsaturated tricyclic esters. 3,274,233, 9–20–66, Cl. 260—473.

Joly, Robert, J. Warnant, and R. Bardoneschi, to Roussel-UCLAF. Lactone of 3'-[4-fluoro-4-androstene-17-ol-3-one-17-yl] propionic acid and process utilized in the preparation thereof. 3,290,298, 12–6–66, Cl. 260—239.57.

Joly, Robert, J. Warnant, A. Guillemette, and B. Goffinet, to Roussel-UCLAF. Novel 3-keto-4-fluoro-Δ⁴-steroids and preparation thereof. 3,291,812, 12–13–66, Cl. 260—397.3.

Jonakin, James: *See*—
Long, James R. M., Jonakin, Caracristi, and Bogot. 3,241,505.

Jonakin, James, to Combustion Engineering, Inc. Centrifuge outlet. 3,245,613, 4–12–66, Cl. 233—7.

Jonakin, James, to Combustion Engineering, Inc. Collecting and conveying mechanism. 3,253,777, 5–31–66, Cl. 233—46.

Jonakin, James, to Combustion Engineering, Inc. Steam generator. 3,261,333, 7–19–66, Cl. 122—479.

Jonakin, James, and D. J. Frey, to Combustion Engineering, Inc. Soot blower operation for vapor generator furnaces. 3,276,437, 10–4–66, Cl. 122—392.

Jonas, Clarence F. Pinless sheet metal hinge construction and applications thereof. 3,226,763, 1–4–66, Cl. 16—171.

Jonas, Edward G. Baler. 3,260,727, 10–25–66, Cl. 100—100.

Jonas, Gilbert F., to Genesco, Inc. Shoe manufacture. 3,241,166, 3–22–66, Cl. 12—133.

Jonas, Heinz, P. Hoppe, and E. Walaschewski, to Farbenfabriken Bayer Aktiengesellschaft. Cellular polyurethane prepared from a phosphorus containing polyester. 3,236,787, 2–22–66, Cl. 260—2.5.

Jonas, John J.: *See*—
Gordon, Arthur L., and Jonas. 3,236,833.
Gordon, Arthur L., Jonas, and Pike. 3,280,102.

Jonas, Walter M., to Maid-Rite Wire Products Corp. Garment boning member or stay. 3,276,041, 10–4–66, Cl. 2—258.

Jonassen, Gaylord D., to Western Electric Co. Inc. Selectively operated article transfer apparatus. 3,237,751, 3–1–66, Cl. 198—34.

Jonassen, Severin: *See*—
Baratelli, Charles A., and Jonassen. 3,233,249.

Jonassen, Severin, to Renauld International, Inc. Sportsman's goggle. 3,229,303, 1–18–66, Cl. 2—14.

Jonassen, Severin, to Renauld International, Inc. Ski shield. 3,233,250, 2–8–66, Cl. 2—14.

Jonassen, Severin L., to Philco-Ford Corp. Television cabinet structure with removable frame section. 3,294,905, 12–27–66, Cl. 178—7.9.

Joneikis, Albert E., to Harvey Aluminum (Inc.). Separation bolt. 3,254,555, 6–7–66, Cl. 85—77.

Joneli Watch Case, Inc.: *See*—
Trautz, Richard. 3,257,795.

Jones, Addis T., to Thomas Hoist Co. Materials distribution. 3,231,112, 1–25–66, Cl. 214—95.

Jones, Archer L., and I. L. Hirshman, to Newport News Shipbuilding and Dry Dock Co. Underwater mining. 3,237,562, 3–1–66, Cl. 103—87.

Jones, Billie J., to Radio Corp. of America. Parallel amplifier circuit having load equalization means. 3,292,094, 12–13–66, Cl. 330—15.

Jones, Bliss M., to Jones & Hunt, Inc. Butt joints on reinforced plastic pipe and method of forming same. 3,235,289, 2–15–66, Cl. 285—21.

Jones, Budd: *See*—
Brian, Kleber D., Jones, and O'Neal. 3,270,880.

Jones, Burton A.: *See*—
Lewis, George D., and Jones. 3,276,473.
Lewis, George D., and Jones. 3,279,185.
Lewis, George D., and Jones. 3,280,789.

Jones, Burton A., to United States of America, Navy. Tertiary injector for propulsion system roll control. 3,229,460, 1–18–66, Cl. 60—35.54.

Jones, Burton A., to United States of America, Navy. Fluid amplification devices for propulsion system roll control. 3,229,461, 1–18–66, Cl. 60—35.54.

Jones, Burton A., and G. D. Lewis. Hydrodynamic vehicle. 3,261,318, 7–19–66, Cl. 114—16.

Jones, Burton L., to Pitney-Bowes, Inc. Selection indicating disks with unselected characters obscured by shaded areas on underneath disk. 3,232,401, 2–1–66, Cl. 197—6.4.

Jones, Carl O.: *See*—
Goush, Edward J., and Jones. 3,282,480.

Jones, Carmen B., to United States of America, Atomic Energy Commission. Power generator. 3,257,571, 6–21–66, Cl. 310—11.

Jones, Carolyn S.: *See*—
Jones, Cleveland. 3,229,774.
Jones, Cleveland. 3,240,174.

Jones, Charles: *See*—
Bentele, Max, Jones, Kling, and Slane. 3,289,650.

Jones, Charles, to Curtiss-Wright Corp. Rotor construction for rotary mechanisms. 3,230,789, 1–25–66, Cl. 74—431.

Jones, Charles, to Curtiss-Wright Corp. Composite shaft for rotary combustion engine. 3,240,423, 3–15–66, Cl. 230—145.

Jones, Charles E.: *See*—
Burk, Marvin C., Jones, and Neer. 3,267,264.
Norgaard, Arthur J., Jr., Jones, and R. H. and W. G. Crowle. 3,261,619.

Jones, Chesley, Jr., and C. E. Gutshall, to Illinois Tool Works Inc. Wedge spring washer. 3,236,277, 2–22–66, Cl. 151—38.

Jones, Clarence O., Jr., to Niagara Machine & Tool Works. Two-hand electric control for machines. 3,260,898, 7–12–66, Cl. 317—135.

Jones, Cleveland, deceased; by C. S. Jones, executrix. Cultivator for destroying weeds. 3,229,774, 1–18–66, Cl. 172—92.

Jones, Cleveland, deceased, by C. S. Jones, executrix. Planting apparatus for farm tractors. 3,240,174, 3–15–66, Cl. 111—36.

Jones, Clevoe D.: *See*—
Scofield, James M., Jones, and Jesena. 3,292,446.

Jones, Coy V., Sr.: *See*—
Edler, Otto E. A., and Jones. 3,270,972.
Shealy, Thomas L., Sr., and Jones. 3,242,662.

Jones, Coy V., Sr., to Southern Machinery Co. Implement for conditioning bobbins on textile spinning frames. 3,263,407, 8–2–66, Cl. 57—34.

Jones, Daniel G. Production of aromatic amines by ammonolysis. 3,231,616, 1–25–66, Cl .260—581.

Jones, Daniel G., and P. S. Landis, to Socony Mobil Oil Co., Inc. Synthesis of aromatic nitriles. 3,231,600, 1–25–66, Cl. 260—465.

Jones, Daniel G., and P. S. Landis, to Mobil Oil Corp. Production of pyridines. 3,264,807, 8–2–66, Cl. 260—290.

Jones, David A.: *See*—
Clarke, Christopher D., and Jones. 3,262,036.

Jones, David C., to The Bendix Corp. Apparatus for measuring and adjusting the setting of a self-centering brake assembly. 3,241,244, 3–22–66, Cl. 33—180.

Jones, David G., to Delapena & Son Ltd. Induction heating. 3,236,993, 2–22–66, Cl. 219—10.59.

Jones, David J., D. R. Wallis, and W. Rowell, to The General Electric Co. Ltd. Electrodes for electric discharge apparatus. 3,231,332, 1–25–66, Cl. 29—182.2.

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Jones, Donnie R., to Bowles Engineering Corp. Readout for vortex amplifier. 3,272,213, 9–13–66, Cl. 137—81.5.

Jones, Donnie R., to Bowles Engineering Corp. Analog amplifier cross vent. 3,279,488, 10–18–66, Cl. 137—81.5.

Jones, Douglas E. Heavy duty, wear resistant machine element. 3,234,015, 2–8–66, Cl. 75—171.

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Jones, Edward M., to D. H. Baldwin Co. Photoelectric organ and appurtenances. 3,249,678, 5–3–66, Cl. 84—1.18.

Jones, Edward M., to D. H. Baldwin Co. Frequency divider employing semi-conductor devices. 3,257,624, 6–21–66, Cl. 331—51.

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Jones, Evan, to Henry Valve Co. Swivel valve. 3,282,554, 11–1–66, Cl. 251—88.

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Jones, Robert W., to Monsanto Co. Process for the graft polymerization of styrene on alkyl lithium catalyzed polybutadiene using a peroxide catalyst. 3,264,375, 8–2–66, Cl. 260—880.

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Jurk, Rolf, and N. Schurzinger, to Siemens & Halske Aktiengesellschaft. Circuit for suppressing scanner-signal deficiencies in systems for identification of characters. 3,289,163, 11–29–66, Cl. 340—146.3.

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Kaestner, Thankmar W., to The A. H. Nilson Machine Co. Wire straighteners. 3,277,682, 10–11–66, Cl. 72—79.

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Kafferlin, William H., G. B. Hasbrouck, and T. Q. Stohlberg, to Corry Jamestown Corp. Filing cabinet and latching mechanism. 3,252,746, 5–24–66, Cl. 312—234.3.

Kafferlin, William H., and J. H. Armstrong, to Corry Jamestown Corp. Chair base. 3,281,105, 10–25–66, Cl. 248—188.7.

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Kafka, Robert S., to Martin-Marietta Corp. Remote controlled article selector and dispenser. 3,248,981, 5–3–66, Cl. 83—153.

Kafka, Wilhelm, to Siemens-Schuckertwerke Aktiengesellschaft. Superconductor circuit assembly. 3,260,856, 7–12–66, Cl. 307—88.5.

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Kagan, Joseph. Woven waterproof fabrics. 3,272,685, 9–13–66, Cl. 161—49.

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Kagan, Sholly, to Polaroid Corp. Method and means for reducing kinescope misregistration. 3,284,662, 11–8–66, Cl. 315—17.

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Kahn, Henry, and L. Popa, to Goodrich-Gulf Chemicals, Inc. Oxygenizing systems useful for cleaning purposes. 3,285,777, 11–15–66, Cl. 134—2.

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Kaiser, Donald W., to Olin Mathieson Chemical Corp. Polyurethanes prepared from oxyalkylated cyanoguanidine. 3,288,733, 11–29–66, Cl. 260—2.5.

Kaiser, Donald W., and J. K. Zane, to Olin Mathieson Chemical Corp. Alkoxylated mixtures of di- and tri-amino-1,3,5-triazine-polyols and a process for their production. 3,256,281, 6–14–66, Cl. 260—249.6.

Kaiser, Donald W., and J. K. Zane, to Olin Mathieson Chemical Corp. Process for cooxyalkylation of cyanoguanidine and a polyfunctional polyol and compositions produced thereby. 3,271,411, 9–6–66, Cl. 260—307.

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Kallman, Heins E., to Gulton Industries, Inc. Ultrasonic flowmeter. 3,230,766, 1–25–66, Cl. 73—194.
Kallman, Nils I., and N. E. S. Tinnsten, to Industriaktiebolaget Broderna Larsson. Clamping device. 3,237,260, 3–1–66, Cl. 24—137.
Kallman, Robert: *See*—
Kanter, Harry, and Kallman. 3,237,208.
Kallmann, Hartmut P., B. Kramer, and E. Weissman, to New York University. Light producing and memory means. 3,235,850, 2–15–66, Cl. 340—173.
Kallmann, Hartmut P., and M. Pope, to New York University. Current conducting device. 3,247,427, 4–19–66, Cl. 317—231.
Kalm, Max J.: *See*—
Dryden, Hugh L., Jr., and Kalm. 3,270,008.
Kalm, Max J., to G. D. Searle & Co. Optionally substituted 5-methyl-6-phenyltetrahydro-1,3,4-oxadiazines. 3,251,838, 5–17–66, Cl. 260—244.
Kalman, Peter G., and R. A. Fehlberg, to A. B. Dick Co. Method of producing imaged spirit master directly from original. 3,278,323, 10–11–66, Cl. 117—17.5.
Kalmoe, Hjalmer H. Composite house numerals and mounting means therefor. 3,264,768, 8–9–66, Cl. 40—124.
Kalmus, Henry P. Personnel intrusion detecting device. 3,237,105, 2–22–66, Cl. 325—29.
Kalmus, Henry P., and G. O. Striker. Device for the amplification of minute space currents. 3,260,945, 7–12–66, Cl. 330—10.
Kalmus, Henry P., and K. H. Sann, to United States of America, Army. Relaxation oscillator having high immunity to change in supply voltage. 3,283,263, 11–1–66, Cl. 331—111.

Kalning, Frederick E., to United Mattress Machinery Co. Mattress edge operating machine. 3,233,568, 2–8–66, Cl. 112—3.
Kalning, Frederick E., and H. E. Redman, to United Mattress Machinery Co. Mattress border eyeletting machine. 3,281,044, 10–25–6, Cl. 227—1.
Kalnins, William V.: *See*—
Mattson, Charles A., and Kalnins. 3,259,770.
Kalocsay, Joseph: *See*—
Gunnar, Keith, Stoll, Debrotnic, Hansen, Brooks, and Kalocsay. 3,231,196.
Kalog, Francis J., to The Stanley Works. Electrical control circuit for electromechanical door operator. 3,247,615, 4–26–66, Cl. 268—33.
Kalogris, Theodore P. Antiseptic telephone mouthpiece guard. 3,238,313, 3–1–66, Cl. 179—185.
Kalopissis, Gregorie: *See*—
Dalle, Francois, Kalopissis, and Daragan. 3,236,418.
Kalopissis, Gregoire, to Societe Anonyme dite: l'Oreal. Permanent waving of hair. 3,265,582, 8–9–66, Cl. 167—87.1.
Kalopissis, Gregoire, and A. Viout. Surface active amine salts. 3,257,449, 6–21–66, Cl. 260—501.
Kalopissis, Gregoire, and G. Vanlerberghe, to Societe Anonyme dite; L'Oreal. Quaternary ammonium salts of esters of fatty acid and a precursor of amino-2-hydroxy propanol, methods of their preparation and their use. 3,272,712, 9–13–66, Cl. 167—87.
Kalopissis, Gregoire, and G. Vanlerberghe, to L'Oreal. Quaternary ammonium compounds, their preparation and their use. 3,290,304, 12–6–66, Cl. 260—247.2.
Kalopissis, Gregoire, and R. Bugaut, to L'Oreal. 4-carboxymethylamino-3-nitro-1-methylamino benzene as a dyeing agent. 3,291,823, 12–13–66, Cl. 260—518.
Kalous, Leo R., to Collins Radio Co. Miniature single-pole double-throw switch. 3,291,951, 12–13–66, Cl. 200—155.
Kalousek, George L., to Owens-Corning Fiberglas Corp. Method of curing calcium silicate insulating materials. 3,231,657, 1–25–66, Cl. 264—333.
Kalousek, George L., D. L. Bishop, and R. F. Shannon, to Owens-Corning Fiberglas Corp. Method of manufacturing calcium silicate insulating materials. 3,257,220, 6–21–66, Cl. 106—120.
Kals, Walter, to Niagara Blower Co. Apparatus for condensing water vapor under low absolute pressure at a temperature less than the freezing point of water. 3,253,350, 5–31–66, Cl. 34—75.
Kalstein, Abraham G., to Aerovox Corp. Electric capacitor. 3,283,225, 11–1–66, Cl. 317—247.
Kaltenbach & Voigt: *See*—
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Korinek, Anton. 3,252,027.
Kaltenecker, Lester V., to Chemical Construction Corp. Barge based process plant. 3,262,411, 7–26–66, Cl. 114—5.
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Fischer, Erich, and Kaltenhauser. 3,238,139.
Kaltenhauser, Herbert: *See*—
Wolfram, Arthur, and Kaltenhauser. 3,255,240.
Kaltsas, Angel, G. Kinosian, and R. F. Javery, to M.K.M. Knitting Mills, Inc. Cabling lace attachment. 3,290,899, 12–13–66, Cl. 66—96.
Kalupin, Alexandr A., P. I. Suvorikov, and K. B. Scherbacheva, deceased, by E. L. Scherbacheva, administratrix, and N. K. Scherbacheva, juvenile heir, to Tsentralnoe Konstruktorskoe Bjuro Glavstroimekhanizatsii. Building crane for erection of tower-type structures. 3,266,637, 8–16–66, Cl. 212—29.
Kalvoda, Jaroslav: *See*—
Wettstein, Albert, Anner, Heusler, Kalvoda, and Meystre. 3,247,190.
Wettstein, Albert, Anner, Heusler, Kalvoda, and Ueberwasser. 3,287,377.
Wettstein, Albert, Anner, Heusler, Kalvoda, and Wieland. 3,250,792.
Wettstein, Albert, Anner, and Kalvoda. 3,253,003.
Kalwaites, Frank, to Johnson & Johnson. Methods and apparatus for making strands, rovings, yarns and the like. 3,230,584, 1–25–66, Cl. 19—150.
Kalwaites, Frank, to Johnson & Johnson. Method and apparatus for improving the quality of carded fibrous materials. 3,235,910, 2–22–66, Cl. 19—105.
Kalwaites, Frank, to Johnson & Johnson. Methods of producing perforated nonwoven fabric. 3,255,496, 6–14–66, Cl. 19—161.
Kalwaites, Frank, to Johnson & Johnson. Methods for producing fibrous webs. 3,281,902, 11–1–66, Cl. 19—106.
Kalwaites, Frank, to Johnson & Johnson. Apparatus for removing a fibrous web from a rotatable surface. 3,283,366, 11–8–66, Cl. 19—106.
Kalz, Anthony C., to Schluester Mfg. Co. Combined latch and handle structure. 3,273,747, 9–20–66, Cl. 220—95.
Kamada, Masaki: *See*—
Hamamura, Yasuji, Hayashiya, Goto, and Kamada. 3,230,930.
Kamada, Minoru: *See*—
Yonezaki, Shigeru, Kamada, Teruyama, and Kanechika. 3,288,691.
Kamal, Marwan R., to General Mills, Inc. 1-oxa-4-hydroxyethylazaspiro (4.4) 6,7,8,9-tetrachloro-nona-6,9-diene and its synthesis. 3,264,319, 8–2–66, Cl. 260—307.
Kamal, Marwan R., to General Mills, Inc. Reaction product of an organic diisocyanate with a polymeric fat acid-dialkanolamine condensate. 3,267,080, 8–16–66, Cl. 260—77.5.
Kamal, Marwan R., to General Mills, Inc. Polymeric fat acid based polyamideureas. 3,284,416, 11–8–66, Cl. 260—77.5.
Kamalian, Neubar. Method of constructing a rocket motor. 3,267,182, 8–16–66, Cl. 264—3.
Kaman Aircraft Corp.: *See*—
Church, Peter K. 3,238,479.
Currier, Sumner S. 3,227,401.
Hackenberger, George L., Jr. 3,232,565.
Jessen, Phillip L. 3,259,859.
Mack, Robert C., Robinson, and Goodale. 3,246,864.
Mattenson, Wallace O. 3,228,044.
McCullough, Charles E. 3,291,911.
Robinson, Donald W., Jr. 3,240,449.
Kaman, Frank A.: *See*—
Bassett, Leon H., Fouser, and Kaman. 3,270,821.
Kaman, Frank A., to Skil Corp. Power operated hand tool of the rotary impact type. 3,270,593, 9–6–66, Cl. 81—52.3.
Kaman, Frank A., C. J. Frenzel, and E. F. Etzkorn, to Skil Corp. Rotary impact tool. 3,228,486, 1–11–66, Cl. 173—93.6.
Kamata, Minoru: *See*—
Yonezaki, Shigeru, Kamata, Watanabe, Sakai, and Ikegami. 3,257,295.
Kamberg, Eduard F., and H. G. Roberts, to Chicago Dryer Co. Small piece folder. 3,260,518, 7–12–66, Cl. 270—62.
Kambersky, Helene. Cosmetic paints, particularly for eyelashes and eyebrows. 3,251,740, 5–17–66, Cl. 167—85.
Kambersky, Helene. Container and device for removing contents from a container. 3,262,461, 7–26–66, Cl. 132—79.
Kamborian, Jacob S.: *See*—
Hooper, Alfred T. 3,241,517.
Kamborian, Jacob S. Pulling over and lasting machine. 3,237,224, 3–1–66, Cl. 12—10.5.
Kamborian, Jacob S. Lasting machine having spindle brake. 3,241,164, 3–22–66, Cl. 12—10.1.
Kamborian, Jacob S. Application of lubricant for a lasting operation. 3,256,544, 6–21–66, Cl. 12—145.
Kamborian, Jacob S. Application of cement to a shoe upper. 3,292,191, 12–20–66, Cl. 12—145.
Kamborian, Jacob S., M. M. Becka, and R. B. Dunlap; said Becka and said Dunlap assors. to said Kamborian. Lasting machine having cooled clamp. 3,228,046, 1–11–66, Cl. 12—10.5.
Kamborian, Jacob S., and R. B. Duulap; said Dunlap assor. to said Kamborian. Method and apparatus for pulling over and lasting shoes. 3,233,261, 2–8–66, Cl. 12—142.
Kamborian, Jacob S., Jr., to International Shoe Machine Corp. Call answering system. 3,248,482, 4–26–66, Cl. 179—6.
Kamei, Hiroshi, R. J. Hebert, and R. L. MacGregor, to North American Aviation, Inc. Packaged electronic equipment. 3,268,772, 8–23–66, Cl. 317—100.
Kamei, Mikio, to Tateisi Denki Kabushikikaisha. Coin counting apparatus. 3,240,215, 3–15–66, Cl. 133—8.
Kamei, Mikio, and H. Shiroshita, to Tateisi Denki Kabushikikaisha. Apparatus for selecting coins. 3,237,631, 3–1–66, Cl. 133—3.
Kamenick, Rudolph J.: *See*—
Diehl, John M., Kamenick, and Johnson. 3,284,938.
Kamens, Bruce H., to Consolidated Electronics Industries Corp. Starting and damping circuitry for a transistorized governing system. 3,274,473, 9–20–66, Cl. 318—311.
Kamens, Bruce H., to Consolidated Electronics Industries Corp. Motor operating circuit. 3,290,573, 12–6–66, Cl. 318—171.
Kamensky, Jury V.: *See*—
Neimark, Afraim M., Derbasov, Zakalinsky, Levitan, Kamensky, and Korolev. 3,293,701.
Kamentsky, Louis A.: *See*—
Gelernter, Herbert L., Kamentsky, and Potter. 3,270,611.
Kamentsky, Louis A., to International Business Machines Corp. Operator assisted character reading system. 3,271,738, 9–6–66, Cl. 340—146.3.
Kameya, Kazuo, to Kabushiki Kaisha Toko Radio Coil Kenkyusho. Supporting device for mechanical filter. 3,242,445, 3–22–66, Cl. 333—72.
Kameya, Kazuo, and T. Takabashi, to Toko Kabushiki Kaisha. High frequency transformer having an improved Q. 3,278,877, 10–11–66, Cl. 336—136.
Kameyama, Akira, T. Funabashi, I. Kusakawa, J. Watanabe, T. Hayao, Y. Takashima, and N. Maruyama, to Tokyo Shibaura Electric Co., Ltd. Annular fluorescent lamps. 3,274,420, 9–20–66, Cl. 313—109.
Kameyama, Naohito: *See*—
Ouchi, Shunji, Yamada, Tsunoda, Kameyama, and Senoo. 3,282,920.
Kameyama, Sampei, T. Ito, and T. Ohkura, to Mitsubishi Denki Kabushiki Kaisha. Circuit interrupter. 3,244,842, 4–5–66, Cl. 200—144.
Kamibayashi, Tetsusaburo: *See*—
Oshima, Shintaro, and Kamibayashi. 3,279,959.
Kamienski, Conrad W., and D. H. Lewis, to Lithium Corp. of America, Inc. Preparation of stable non-pyrophoric organometallic compositions. 3,274,118, 9–20–66, Cl. 252—182.
Kamimoto, Michael M., to United States of America, Navy. Extreme environment hermetically sealed damper. 3,266,603, 8–16–66, Cl. 188—100.

Kamin, George W., to Magic Chef, Inc. Range grate clip. 3,263,676, 8–2–66, Cl. 126—215.

Kaminoto, Akiteru: *See*—
Takeda, Katsumi, and Kaminoto. 3,231,747.

Kamins, Seymour, and N. Rosenberg, to C-Thru Products, Inc. Synthetic resinous bag construction having frangible sealing means. 3,282,493, 11–1–66, Cl. 229—54.

Kaminskas, Rimvydas A., to Giannini Controls Corp. System for representing angle of attack and the like. 3,260,-108, 7–12–66, Cl. 73—178.

Kaminski, Elton G., and R. J. Stolle, to The Stolle Corp. Article feeding apparatus. 3,231,065, 1–25–66, Cl. 198—131.

Kaminski, Henry J., to Keystone Camera Co., Inc. Motion picture cameras. 3,246,942, 4–19–66, Cl. 352—73.

Kaminski, Walter R., and R. L. Ensinger, to Holley Carburetor Co. Reaction control valve. 3,284,029, 11–8–66, Cl. 244—52.

Kaminsky, Daniel, and R. I. Meltzer, to Warner-Lambert Pharmaceutical Co. Coumarin derivative. 3,264,323, 8–2–66, Cl. 260—343.2.

Kaminsky, Daniel, and R. I. Meltzer, to Warner-Lambert Pharmaceutical Co. 1,4-dihydro-1-lower alkyl-6,7-methylenedioxy-4-oxo-3-quinoline-carboxylic acid. 3,287,457. 11–22–66, Cl. 260—287.

Kaminsky, John J.: *See*—
Delgrosso, Eugene J., and Kaminsky. 3,282,690.

Kaminsky, Murray F., to Radio Corp. of America. Electronic clock. 3,284,715, 11–8–66, Cl. 328—41.

Kamio, Kosaku: *See*—
Daimon, Hiroshi, Kamio, and Kojima. 3,230,207.
Daimon, Hiroshi, Kamio, and Kojima. 3,284,374.

Kamiya, Rokuro, to Kabushikikaisha Taiko Denki Seisakusho (Taiko Electric Works Ltd.). Active CR two-terminal circuit. 3,286,206, 11–15–66, Cl. 333—80.

Kamiya, Takashi: *See*—
Haraoka, Raitaro, and Kamiya. 3,271,398.

Kamiya, Takeo. Apparatus for golf practice. 3,282,109, 11–1–66, Cl. 73—379.

Kamiani, Jeram S., to Gas Equipment Engineering Corp. Separation of gas mixtures. 3,270,514, 9–6–66, Cl. 62—29.

Kamlet, Edna Y.: *See*—
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Kamlet, Jonas, deceased, by E. Y. Kamlet, executrix, to The Procter & Gambie Co. Process for the manufacture of aliphatic monocarboxylic acids from alkyl sulfuric acids. 3,261,856, 7–19–66, Cl. 260—413.

Kamlukin, Igor: *See*—
Couchman, Robert, Jr., Sauer, and Kamlukin. 3,252,449.

Kamlukin, Igor, to Simplicity Mfg. Co. Power driven tractor mounted implement. 3,226,853, 1–4–66, Cl. 37—43.

Kamlukin, Igor, to Simplicity Mfg. Co. Power driven tractor mounted implement. 3,250,064, 5–10–66, Cl. 56—25.

Kamm, Edmund W. E.: *See*—
Herderhorst, Wilfred W., and Kamm. 3,238,815.

Kamm, Gilbert G., to American Can Co. Container and package utilizing the same. 3,268,344, 8–23–66, Cl. 99—181.

Kamm, Gilbert G., and A. R. Willey, to American Can Co. Tin plate having a tin-nickel-iron alloy layer and method of making the same. 3,260,580, 7–12–66, Cl. 29—196.4.

Kammer, Andrew E. Post hole digger. 3,291,231, 12–13–66, Cl. 175—170.

Kammerer, Archer W.; ⅓ to A. W. Kammerer, Jr., and ⅓ to J. K. Lamphere. Rotary expansible drill bits. 3,283,834, 11–8–66, Cl. 175—267.

Kammerer, Archer W., ⅓ to A. W. Kammerer, Jr., and ⅓ to J. K. Lamphere. Method and apparatus for cementing and conditioning bore holes. 3,289,760, 12–6–66, Cl. 166—21.

Kammerer, Archer W., Jr.: *See*—
Kammerer, Archer W. 3,283,834.
Kammerer, Archer W. 3,289,760.

Kamowski, Frank G., to The Fyr-Fyter Co. Valve and pressure gauge assembly. 3,270,768, 9–6–66, Cl. 137—327.

Kamp, Earl A., to Mor-Amp, Inc. Electric control device. 3,227,979, 1–4–66, Cl. 336—133.

Kamp, Frederick S.: *See*—
Fisher, Michael S., and Kamp. 3,295,014.

Kamp, Heinrich: *See*—
Wilms, Hans-Gunther, Kamp, Gith, and Reiners. 3,289,-957.

Kamp, Heinrich, to Buttner-Werke Aktiengesellschaft. Apparatus for drying and simultaneously cooling the white sugar coming from a centrifuge station. 3,229,383, 1–18–66, Cl. 34—65.

Kamp, Heinrich, to W. Schlafhorst & Co. Yarn package winding machine with rotating yarn guide. 3,276,703, 10–4–66, Cl. 242—18.

Kamp Kooker, Inc.: *See*—
Jenkins, Harold B. 3,289,801.

Kampa, Donald G. and H. W. Weprin, to Armour and Co. Means for accumulating and placing frankfurters in a package. 3,243,935, 4–5–66, Cl. 53—164.

Kampe, Joseph S. Sound-wave operated mimicking device. 3,293,781, 12–27–66, Cl. 40—28.3.

Kampe, Thomas W.: *See*—
Christensen, Donald D., and Kampe. 3,248,706.

Kampert, Harry M. Block stacking machine. 3,257,006, 6–21–66, Cl. 214—6.

Kampert, Keith W., to The Frank G. Hough Co. Mounting assembly for dozer blade. 3,226,859, 1–4–66, Cl. 37—144.

Kampert, Keith W., to The Frank G. Hough Co. Attachments for tractor loader. 3,227,300, 1–4–66, Cl. 214—674.

Kampert, Keith W., and R. F. Zimmerman, to The Frank G. Hough Co. Grab attachment for tractor loader. 3,227,297, 1–4–66, Cl. 214—147.

Kampert, Keith W., and R. F. Zimmerman, to The Frank G. Hough Co. Articulated four-wheel drive earthworking vehicle. 3,237,790, 3–1–66, Cl. 214—132.

Kampert, Keith W., and R. F. Zimmerman, to The Frank G. Hough Co. Articulated tractor loader. 3,246,778, 4–19–66, Cl. 214—140.

Kampert, Keith W., and J. H. Konefes, to The Frank G. Hough Co. Automatic boom positioning device. 3,251,492, 5–17–66, Cl. 214—140.

Kampert, Keith W., and R. F. Zimmerman, to International Harvester Co. Load handling vehicle. 3,275,173, 9–27–66, Cl. 214—140.

Kampert, William P., to Aluminum Co. of America. Method of anodizing aluminum with electrolyte containing sulfophthalic acid. 3,227,639, 1–4–66, Cl. 204—58.

Kampf, Berta: *See*—
Cassel, Reinhardt. 3,243,845.

Kampf, Eberhard: *See*—
Cassel, Reinhardt. 3,243,845.

Kampf, Erwin, Maschinen-fabrik, Firma: *See*—
Cassel, Reinhardt. 3,243,845.

Kampf, Herbert: *See*—
Cassel, Reinhardt. 3,243,845.

Kampf, Richard S.: *See*—
Erickson, Roger D., and Kampf. 3,227,155.

Kampf, Richard S., to Honeywell Inc. Recorder. 3,269,262, 8–30–66, Cl. 88—24.

Kampfer, Helmut: *See*—
Gotze, Johannes, and Kampfer. 3,288,610.

Kampfer, Richard H., to Conveyor Specialties Co. Conveyor chain. 3,262,530, 7–26–66, Cl. 198—189.

Kampfer, Richard H., to Conveyor Specialties Co. Flexible bottle conveyor chain. 3,279,586, 10–18–66, Cl. 198—189.

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Boer, Hendrik, Schurings, and Kampman. 3,281,687.

Kamps, Harald: *See*—
Hackenberg, Ulrich, Kamps, and Rink. 3,270,434.

Kampschaefer, George E., Jr.: *See*—
Johnsen, Arthur M., Jr., and Kampschaefer. 3,288,600.

Kampstrup-Larsen, Harry. Rotary kilns. 3,285,591, 11–15–66, Cl. 263—33.

Kamrud, Irvin E. Combination hard and soft water system. 3,256,991, 6–21–66, Cl. 210—149.

Kamyr, Aktiebolaget: *See*—
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Laakso, Oliver A. 3,237,773.
Richter, Ole J. 3,293,119.

Kan, Billy, to United Fruit Co. Vacuum apparatus. 3,255,-534, 6–14–66, Cl. 34—5.

Kan, Billy, to United Fruit Co. Process and apparatus for freeze drying utilizing dry gas. 3,263,335, 8–2–66, Cl. 34—5.

Kanai, Yoshio: *See*—
Shirai, Tadashi, Sakurai, Kanai and Kawamura. 3,236,-886.

Kanal, Laveen N.: *See*—
Dunn, William H., Fey, Kanal, McDermid, and Smith. 3,275,985.
Dunn, William H., Fey, Kanal, McDermid, and Smith. 3,275,986.

Kanamaru, Yoshio, to Japan Gas Lighter Association. Gas lighter filler valve mechanism. 3,228,435, 1–11–66, Cl. 141—286.

Kanamaru, Yoshio. Variable flame gas lighter. 3,245,234, 4–12–66, Cl. 67—7.1.

Kanazawa, Fujio: *See*—
Koike, Eiji, and Kanazawa. 3,274,172.
Koike, Eiji, and Kanazawa. 3,282,638.
Koike, Eiji, Kanazawa, and Otsuka. 3,293,240.
Koike, Eiji, Ohbayashi, Kanazawa, and Otsuka. 3,293,-239.

Kanazawa, Ken-Ichi, T. Matsukawa, and Y. Aramakai, to Takeda Chemical Industries, Ltd. Therapy and control of atherosclerotic diseases. 3,271,250, 9–6–66, Cl. 167—65.

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Abe, Toshio, Kanazawa, and Ohashi. 3,261,681.

Kanbar, Maurice S. Dental floss. 3,247,857, 4–26–66, Cl. 132—93.

Kanbar, Maurice S. Nylon melt-spinning apparatus. 3,271,-817, 9–13–66, Cl. 18—8.

Kanbar, Maurice S., O. F. Van Brocklin, and S. J. Elmi, to A. Schrader's Son, Division of Scovill Mfg. Co. Cryogenic probes for surgical use. 3,259,131, 7–5–66, Cl. 128—303.1.

Kanda, Ichiro: *See*—
Taniyama, Masakazu, Kanda, Nakajima, and Amiya. 3,287,307.

Kanda, Yozo, S. Tauchi, and N. Morito, to Kabushiki Kaisha Hitachi Seisakusho. Mass spectrometric apparatus having a detector comprising two Hall effect devices connected in tandem. 3,244,876, 4–5–66, Cl. 250—41.9.

Kandler, Joachim, G. Legutke, F. Pohl, E. Schallus, K. Sennewald, and L. Strie, to Knapsack Aktiengesellschaft. Purification of crude gas obtained by thermal arc splitting of hydrocarbons. 3,283,026, 11–1–66, Cl. 260—67.

Kandler, Ludwig. Nickel impregnated porous cathode and method of making same. 3,282,808, 11–1–66, Cl. 204—37.

Kane, Aloysius J.: *See*—
Wooster, George S., and Kane. 3,275,710.

Kane, Bernard J.: *See*—
Derfer, John M., Kane, and Young. 3,293,301.

Kane, Bernard J., to The Glidden Co. *p*-Cymene purification process. 3,288,688, 11–29–66, Cl. 203—58.

Kane, David P.: *See*—
Halliquist, George W., and Kane. 3,289,086.

Kane, Eneas D.: *See*—
Iscol, Lewis, and Kane. 3,261,777.

Kane Engineering Laboratories: *See*—
Forrer, Max P. 3,278,865.

Kane, Eugene J., to Thomas J. Lipton, Inc. Method and apparatus for rendering a corrugated carton readily openable. 3,232,154, 2–1–66, Cl. 83—1.

Kane, Frank A., III, deceased (by Mrs. F. A. Kane, Jr., administratrix). Rhythmic aerator actuated float for indicating water level. 3,265,388, 8–9–66, Cl. 272—8.

Kane, Garold A., A. G. Blomquist, H. Randolph, J. S. Scheurich, P. G. Wermager, F. H. Allen, R. E. Carlberg, F. J. Schiavi, A. J. Dohm, and M. C. Neuman, to United States of America, Navy. Apparatus for handling missiles. 3,228,203, 1–11–66, Cl. 89—1.7.

Kane, Garold A., H. Randolph, R. E. Carlberg, J. S. Scheurich, P. G. Wermager, A. G. Blomquist, R. L. Kossan, and M. J. Clune, to United States of America, Navy. Guided missile launching system. 3,228,295, 1–11–66, Cl. 89—1.7.

Kane, Garold A., A. G. Blomquist, H. Randolph, J. S. Scheurich, P. G. Wermager, F. H. Allen, R. E. Carlberg, F. J. Schiavi, A. J. Dohm, and M. C. Neuman, to United States of America, Navy. Magazine accumulator control. 3,276,318, 10–4–66, Cl. 89—1.8.

Kane, Garold A., A. G. Blomquist, H. Randolph, J. S. Scheurich, P. G. Wermager, F. H. Allen, R. E. Carlberg, F. J. Schiavi, A. J. Dohm, and M. C. Neuman, to United States of America, Navy. Air motor drive for a missile handling device. 3,276,319, 10–4–66, Cl. 89—1.815.

Kane, Garold A., A. G. Blomquist, H. Randolph, J. S. Scheurich, P. G. Wermager, F. H. Allen, R. E. Carlberg, F. J. Schiavi, A. J. Dohm, and M. C. Neuman, to United States of America, Navy. Launcher arm retarding mechanism. 3,276,320, 10–4–66, Cl. 89—1.815.

Kane, Garold A., A. G. Blomquist, H. Randolph, J. S. Scheurich, P. G. Wermager, F. H. Allen, R. E. Carlberg, F. J. Schiavi, A. J. Dohm, and M. C. Neuman, to United States of America, Navy. Apparatus for handling missile. 3,276,321, 10–4–66, Cl. 89—46.

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Kane, John S., and P. R. Schaefer, to Union Carbide Corp. Pressure retract arc torch. 3,242,305, 3–22–66, Cl. 219—75.

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Kane, Robert A., and E. L. Kochey, Jr., to Combustion Engineering, Inc. Method of peaking a power plant system. 3,264,826, 8–9–66, Cl. 60—73.

Kane, Thomas A. Shutter mechanism for confessionals. 3,280,505, 10–25–66, Cl. 49—38.

Kane, Thomas G., to E. I. du Pont de Nemours and Co. Method of stabilizing liquid sulfur trioxide and product. 3,256,063, 6–14–66, Cl. 23—174.

Kane, William P., to E. I. du Pont de Nemours and Co. Plasticized polymeric coating composition and coated articles. 3,284,389, 11–8–66, Cl. 260—27.

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Hatano, Itaru, Senuma, Kasamatsu, and Nishino. 3,265,-643.
Himei, Shinichiro, Takine, and Akita. 3,288,886.
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Yoshino, Masaaki, and Morikawa. 3,288,887.

Kaneko, Akira, to Kureha Chemical Industry Co., Ltd. Three stage polymerization process for the production of polyvinyl chloride resins. 3,290,265, 12–6–66, Cl. 260—29.6.

Kaneko, Hisashi, to Nippon Electric Co. Ltd. Encoder with non-linear quantization. 3,281,828, 10–25–66, Cl. 340—347.

Kaneko, Hisashi, to Nippon Electric Co., Ltd. Code converter. 3,283,319, 11–1–66, Cl. 340—347.

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Kaneko, Tetsuichi, to Oyo Chishitsu Co. Ltd. Ultrasonic inclination meter. 3,275,983, 9–27–66, Cl. 340—18.

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Kano, Hideo, and I. Adachi, to Shionogi & Co., Ltd. (Phenylisoxazolyl)-diazomethylketones. 3,239,533, 3–8–66, Cl. 260—307.

Kano, Hideo, and I. Adachi, to Shionogi & Co., Ltd. 3-aminoalkyl-5-alkylisoxazoles. 3,290,301, 12–6–66, Cl. 260—243.

Kano, Hideo, M. Ogata, and H. Nishimura, to Shionogi & Co., Ltd. Method of producing prolonged sulfonamide level in blood. 3,227,613, 1–4–66, Cl. 167—51.5.

Kano, Hideo, I. Adachi, R. Kido, and K. Hirose, to Shionogi & Co., Ltd. Process for preparing 3,5-disubstituted isoxazole compounds. 3,294,807, 12–27–66, Cl. 260—294.7.

Kanookov, Nikolai D., K. P. Kosjakov, V. M. Popov, and Z. I. Jusipov, to Moscovskoje Vysshee Tekhicheskoje Uchilische Bauman. Mill for rolling surfaces of links in tractor and similar crawler chains. 3,256,726, 6–21–66, Cl. 72—199.

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Kanter, Helmut, to Westinghouse Electric Corp. Electron emitter comprising photoconductive and low work function layers. 3,278,782, 10–11–66, Cl. 313—94.

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Shambaugh, George F., Rogers, Kaplan, and Pratt. 3,257,273.

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Kaplan, Harry, L. G. Nunn, Jr., and R. C. Wilson, to General Aniline & Film Corp. Surface-active thiophosphoric acid esters of polyglycol ethers. 3,243,482, 3–29–66, Cl. 260—950.

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Kappeler, Heinl, and R. Schwyzer, to Ciba Corp. Polypeptides. 3,228,926, 1–11–66, Cl. 260—112.5.

Kappeler, Heinl, and R. Schwyzer, to Ciba Corp. Metal complexes of new tetracosapeptides and intermediates for the preparation thereof. 3,228,927, 1–11–66, Cl. 260—112.5.

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Kapur, Brij L., and O. C. Kerfoot, to Continental Oil Co. Preparation of detergent alkylates. 3,272,881, 9–13–66, Cl. 260—668.

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Karlovsky, Jerry, Jr., to National Mine Service Co. Boring type continuous miner having three boring heads and method of making. 3,294,450, 12–27–66, Cl. 299—18.

Karlovsky, Jerry, Jr., and J. M. Cookson, to National Mine Service Co. Mining machine with slidable cutter bar extensions. 3,278,237, 10–11–66, Cl. 299—59.

Karlovsky, Jerry, Jr., and E. C. Michael, to National Mine Service Co. Thrust support for mining machine cutter bar. 3,278,238, 10–11–66, Cl. 299—59.

Karlquist, Fred B., to Pamarco, Inc. Arrangement for suspending and rotating rollers in chrome plating baths for plating purposes. 3,244,613, 4–5–66, Cl. 204—297.

Karlquist, Fred B., to Parmarco, Inc. Flexographic printing. 3,254,599, 6–7–66, Cl. 101—376.

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Karlsson, Elof K., D. B. Carlson, E. M. Van Buskirk, and R. A. De Pauw, to International Harvester Co. Pneumatic inclined current separator. 3,270,879, 9–6–66, Cl. 209—34.

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Karlyn, William M. Automatic decorating apparatus for open-ended articles. 3,249,045, 5–3–66, Cl. 101—40.

Karlyn, William M. Registering mechanism for stencilling apparatus. 3,260,194, 7–12–66, Cl. 101—38.

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Karmas, George, to Ortho Pharmaceutical Corp. N-beta, gamma - dihydroxy and diacetoxy - 2,4 dinitropyrroles. 3,249,624, 5–3–66, Cl. 260—326.3.

Karmas, George, to Ortho Pharmaceutical Corp. N-(morpholino carbonylmethyl and piperazino carbonylmethyl)-2,4-dinitro pyrroles. 3,256,279, 6–14–66, Cl. 260—247.5.

Karmas, George, to Ortho Pharmaceutical Corp. 1-R-2,4-dinitropyrroles. 3,256,295, 6–14–66, Cl. 260—309.

Karmas, George, to Ortho Pharmaceutical Corp. 1-R-2,4-dinitropyrroles. 3,268,558, 8–23–66, Cl. 260—326.1.

Karmazin, John. Heat exchanger. 3,250,323, 5–10–66, Cl 165—150.

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Karn, Andrew B. Continuous, cut-back, pressure-sensitive label stock and labels. 3,230,649, 1–25–66, Cl. 40—2.

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Karnath, Günther. Claw for a milking apparatus. 3,233,589, 2–8–66, Cl. 119—14.54.

Karnath, Günther; 25% to Dr. Kurt Karnath, Dipl.-Ing., and 50% to M. H. Hoepli. Methods and apparatus for cooling milk for use with milking machines. 3,271,968, 9–13–66, Cl. 62—59.

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Karnath, Günther. 3,271,968.
Karnath, Klaus J., G., and K. 3,242,903.

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Karns, Ray L., to Bowmar Instrument Corp. System for audio training. 3,244,816, 4–5–66, Cl. 179—82.

Karo, Wolf, to The Borden Co. Adhesive compositions comprising acrylic esters and drying oils. 3,239,477, 3–8–66, Cl. 260—23.5.

Karo, Wolf, and M. W. Kline, to The Borden Co. Process for preparing esters of haloalcohols and lower alpha-unsaturated acids. 3,287,399, 11–22–66, Cl. 260—486.

Karol, Frederick J., and W. L. Carrick, to Union Carbide Corp. Disproportionation of cyclic olefins. 3,287,427, 11–22–66, Cl. 260—666.

Karol, Robert. Rotary piston engine. 3,279,445, 10–18–66, Cl. 123—44.

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Karp, Edward C. Automatic weighing, computing and registering system. 3,262,639, 7–26–66, Cl. 235—58.

Karp, Edward C., to Sanitary Scale Co. Rack. 3,270,890, 9–6–66, Cl. 211—58.

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Karpovich, John, and W. F. Clark, to The Dow Chemical Co. Shock treatment of plastic foams. 3,239,585, 3–8–66, Cl. 264—84.

Karpovich, John, and W. F. Clark, to The Dow Chemical Co. Foam bearing apparatus. 3,290,256, 12–6–66, Cl. 252—361.

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Karr, Fred A., to Shasta Beverage Division of Consolidated Foods Corp. Continuous carbonation system. 3,256,802, 6–21–66, Cl. 99—275.

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Kasemir, Heinz W., and H. K. Weickmann, to United States of America, Army. Weather control by artificial means. 3,284,005. 11–8–66, Cl. 239—2.

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Kawai, Kunio, H. Nakamura, and T. Nishimura, to Kabushiki Kaisha Hitachi Seisakusho. Automatic phase control circuit. 3,262,068, 7–19–66, Cl. 331—11.

Kawai, Masayoshi, K. Kizuki, H. Hara, H. Kobayakawa, and K. Shimizu, to Mitsubishi Seiko Kabushiki-Kaisha. Composite metallic plates of titanium and dissimilar mother metals. 3,282,661, 11–1–66, Cl. 29—196.

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Kawakami, Masamitsu, to Kabushiki Kaisha Toko Radio Coil Kenkyusho. Flexture virbration type electrical vibrator and transistor oscillator utilising the same. 3,243,951, 4–5–66, Cl. 58—23.

Kawake, Tadashige. Motorcar door lock mechanism. 3,279,-227, 10–18–66, Cl. 70—264.

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Kawamura, Koreichi, Y. and K. 3,294,322.

Kawamura, Koreichi, Y. and K. Control device of dynamic operation and colored illumination of water fountains in synchronism with a music. 3,292,861, 12–20–66, Cl. 239—17.

Kawamura, Koreichi, Y. and K. Device for automatically controlling water jets of artificial fountains in synchronism with musical sounds. 3,294,322, 12–27–66, Cl. 239—17.

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Kawamura, Koreichi, Y. and K. 3,294,322.
Kawamura, Koreichi, Y. and K. 3,292,861.

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Kay, Eric, to International Business Machines Corp. Process of cathode sputtering from a cylindrical cathode. 3,282,-816, 11–1–66, Cl. 204—192.

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Kay, John G., to F. Jos. Lamb Co. Workpiece conveyor and storing unit. 3,270,864, 9–6–66, Cl. 198—219.

Kay, John G., to F. Jos. Lamb Co. Workpiece elevator. 3,294,217, 12–27–66, Cl. 198—168.

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Kay, Nicholas L., and C. P. Reeg, to Union Oil Co. of California. Hydrocracking-reforming process combination. 3,235,-485, 2–15–66, Cl. 208—60.

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Kaye, Alan R., and C. L. Murray, to Northern Electric Co. Ltd. Fader amplifier comprising variable gain transistor circuits. 3,260,952, 7–12–66, Cl. 330—29.

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Kazan, Benjamin, to Radio Corp. of America. Electroluminescent device. 3,247,390, 4–19–66, Cl. 250—213.

Kazan, Benjamin, to Electro-Optical Systems, Inc. Thermal imaging device. 3,249,757, 5–3–66, Cl. 250—83.3.

Kazan, Benjamin, to Hughes Aircraft Co. Electrical display apparatus incorporating electroluminescent and gas discharge devices. 3,262,010, 7–19–66, Cl. 315—63.

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Kealy, Wellesley A., and R. Smart, to United Kingdom Atomic Energy Authority. Temperature measuring apparatus. 3,230,771, 1–25–66, Cl. 73—340.

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Kearby, Kenneth K., to Esso Research and Engineering Co. Aluminum hydroaminate activators in olefin polymerization. 3,255,169, 6–7–66, Cl. 260—93.7.

Kearby, Kenneth K., to Esso Research and Engineering Co. Compositions containing stable aluminum phosphate gel and methods of using same. 3,271,299, 9–6–66, Cl. 208—114.

Kearby, Kenneth K., to Esso Research and Engineering Co. Method of treating exhaust gases of internal combustion engines utilizing a stabilized alumina catalyst support. 3,291,564, 12–13–66, Cl. 23—2.

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Kearns, William J., P. J. Clarke, and T. A. Vanderslice, to General Electric Co. Triode ionic pump. 3,228,590, 1–11–66, Cl. 230—69.

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Keaton, Jennings B., Jr. Orifice cleaning device with operating rod having particular biasing and sealing means. 3,230,978, 1–25–66, Cl. 138—40.

Keaton, Jennings B., Jr. Automatic dispensing and mixing apparatus. 3,242,990, 3–29–66, Cl. 166—54.

Keaton, Lawrence C., to Phillips Petroleum Co. Process and apparatus for improving quality of carbon black pellets. 3,290,791, 12–13–66, Cl. 34—13.

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Keck, Max M., to The Goodyear Tire & Rubber Co. Purification of bis-beta-hydroxyethyl terephthalate. 3,268,575, 8–23–66, Cl. 260—475.

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Keck, Paul H., and M. J. Solid state laser and pumping means therefor using a light condensing system. 3,230,474, 1–18–66, Cl. 331—94.5.

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Kedem, Abraham. Rod clamping device. 3,230,595, 1–25–66, Cl. 24—257.

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Keehan, Michael B., and J. A. Acciarri, to Continental Oil Co. Process for reaction of aluminum alkyls to form olefins. 3,277,203, 10–4–66, Cl. 260—677.

Keehart, Melvin C., and R. L. Hubner, to Kee Conveyers, Inc. Support for conveyor belt. 3,292,773, 12–20–66, Cl. 198—204.

Keel, Adolf. Fluid filters. 3,246,760, 4–19–66, Cl. 210—132.

Keel, Adolf. Hydraulic pumps. 3,257,960, 6–28–66, Cl. 103—173.

Keel, Adolf. Camp stove toaster. 3,266,483, 8–16–66, Cl. 126—275.

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Keen, John M. S., to Rolls-Royce Ltd. Bearing assembly. 3,264,043, 8–2–66, Cl. 308—187.

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Keenan, John G., to Rolls-Royce Ltd. Rotor and blade assemblies. 3,281,116, 10–25–66, Cl. 253—77.

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Kehl, William L., and M. M. Stewart, to Gulf Research & Development Co. Alumina product and its method of preparation. 3,264,062, 8–2–66, Cl. 23—141.

Kehler, Theodor K., to ENFO, Entwicklunds- und Forschungs-Aktiengesellschaft. Multiple ring valve. 3,286,727, 11–22–66, Cl. 137—516.13.

Kehler, Theodor K., to Hoerbiger Ventilwerke Aktiengesellschaft. Piston-type compressor with automatic check valves. 3,292,848, 12–20–66, Cl. 230—231.

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Keller, Robert R. Sandwich panel with ornamental coloring feature. 3,276,177, 10–4–66, Cl. 52—311.
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Keller, Roland C., and R. W. Corey. Control and annunciator system. 3,246,310, 4–12–66, Cl. 340—223.
Keller, Ronald J., and J. M. McKeon, to International Business Machines Corp. Mechanically operable magnetic reed switch. 3,268,684, 8–23–66, Cl. 335—154.
Keller, Stella P.: *See*—
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Keller, Wolfgang, to Siemens-Schuckertwerke Aktiengesellschaft. Method and apparatus for floating-zone melting of semiconductor material. 3,265,470, 8–9–66, Cl. 23—301.
Keller, Wolfgang, to Siemens-Schuckertwerke Aktiengesellschaft. Apparatus for crucible-free zone melting of semiconductor material. 3,271,115, 9–6–66, Cl. 23—273.
Keller, Wolfgang, to Siemens-Schuckertwerke Aktiengesellschaft. Method for crucible free zone melting. 3,271,551, 9–6–66, Cl. 219—10.41.
Keller, Wolfgang, to Siemens-Schuckertwerke Aktiengesellschaft. High frequency current including capacitive probe members, for determining the electrical resistance of a semiconductor layer. 3,287,637, 11–22–66, Cl. 324—62.
Keller, Wolfgang, and E. Spenke, to Siemens-Schuckertwerke Aktiengesellschaft. Process for preparing semiconductor ingots within a depression. 3,261,722, 7–19–66, Cl. 148—1.6.
Keller, Wolfgang, G. Berger, and O. Schmidt, to Siemens-Schuckertwerke Aktiengesellschaft. Apparatus for pyrolytic precipitation of semi-conductor material from a gaseous compound thereof. 3,292,574, 12–20–66, Cl. 118—49.5.
Kellerman, David. Temperature compensated capacitor. 3,238,428, 3–1–66, Cl. 317—247.
Kellerman, David. Wound capacitor and method of making the same. 3,260,906, 7–12–66, Cl. 317—260.
Kellerman, David. Spoon having peelable cover. 3,287,806, 11–29–66, Cl. 30—326.
Kellerman, David. Wound capacitors. 3,292,063, 12–13–66, Cl. 317—260.
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Kelley, Bruce W., and F. E. Keske, to Caterpillar Tractor Co. Differential for wheel vehicles. 3,237,483, 3–1–66, Cl. 74—715.
Kelley, Carl S., to Phillips Petroleum Co. Heat-insulated tank having tank contents refrigerating, foundation warming, and loading and unloading systems. 3,246,479, 4–19–66, Cl. 62—45.
Kelley, Carl S., to Phillips Petroleum Co. Venting overhead condenser responsive to pressure differential. 3,266,260, 8–16–66, Cl. 62—21.
Kelley, Dale T., to Motorola, Inc. Method of etching semiconductors. 3,290,192, 12–6–66, Cl. 156—17.
Kelley, Donald M., to International Business Machines Corp. Logical manipulator. 3,238,508, 3–1–66, Cl. 340—172.5.
Kelley, Edward L., to Kelco Co. Print paste thickener. 3,282,717, 11–1–66, Cl. 106—205.
Kelley, Emory A., to Otis Engineering Corp. Hydraulic operated well tools. 3,294,171, 12–27–66, Cl. 166—120.
Kelley, Fred W., Jr. Stabilized magnetic amplifier for an inductive D.-C. load. 3,238,468, 3–1–66, Cl. 330—8.
Kelley, Fred W., Jr., to General Electric Co. Electric converting system. 3,262,044, 7–19–66, Cl. 321—7.
Kelley, George G., and O. B. Morgan, Jr., to United States of America, Atomic Energy Commission. High output duoplasmatron-type ion source. 3,238,414, 3–1–66, Cl. 315—111.
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Kelley, Herschell W. Blade assembly for a troweling machine. 3,259,033, 7–5–66, Cl. 94—45.
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Kelley, Jerry O.: *See*—
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Kelley, John S., to United Shoe Machinery Corp. Adhesive dispensing apparatus. 3,239,103, 3–8–66, Cl. 222—56.
Kelley, John S., to United Shoe Machinery Corp. Adhesive applying apparatus. 3,272,177, 9–13–66, Cl. 118—202.
Kelley, Joseph A., to W. R. Grace & Co. Re-expanding compressed exfoliated vermiculite. 3,284,209, 11–8–66, Cl. 99—2.
Kelley, Joseph M. Hydroisomerization process. 3,271,294, 9–6–66, Cl. 208—46.
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Kelley, Oliver K., and S. L. Buckay, to General Motors Corp. Transmission control system. 3,230,791, 1–25–66, Cl. 74—472.
Kelley, Oliver K., S. L. Buckay, and G. K. Hause, to General Motors Corp. Transmission control system. 3,230,792, 1–25–66, Cl. 74—472.
Kelley, Oliver K., K. W. Gage, and R. W. Craig, to General Motors Corp. Transmission. 3,274,854, 9–27–66, Cl. 74—677.
Kelley, Omer J., and W. K. MacCurdy, to Stanford Research Institute. Seed pregerminating and planting process. 3,294,045, 12–27–66, Cl. 111—1.
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Kelley, Thomas J. Car top sign. 3,292,291, 12–20–66, Cl. 40—129.
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Kellman, Irving H., to Fieldcraft, Inc. Sealing means. 3,232,786, 2–1–66, Cl. 117—98.
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Kellner, Jackson M., to Esso Production Research Co. Retractable drill collar stabilizer. 3,259,193, 7–5–66, Cl. 166—237.
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Kellogg, George E., and R. M. Van House, to General Motors Corp. Fluid pressure servomotor reaction control mechanism. 3,252,382, 5–24–66, Cl. 91—434.
Kellogg, George E., and R. L. Gephart, to General Motors Corp. Hydraulic fluid viscosity compensation mechanism for a hydraulic power booster. 3,253,409, 5–31–66, Cl. 60—52.
Kelly, Albert A., to Ideal Industries, Inc. Method of stripping wire insulation. 3,226,815, 1–4–66, Cl. 29—427.
Kelly, Anthony H., to Westinghouse Electric Corp. Air conditioning apparatus. 3,275,069, 9–27–66, Cl. 165—64.
Kelly, Anthony H., to Westinghouse Electric Corp. Room air conditioner with controls therefor. 3,293,875, 12–27–66, Cl. 62—180.
Kelly, Arthur W., to Pullman Inc. Synthesis of phenols. 3,234,291, 2–8–66, Cl. 260—629.
Kelly, Austin T., to Weston Instruments, Inc. Rectifier circuit. 3,256,475, 6–14–66, Cl. 321—18.
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Kelly, Douglas E., to The Dole Valve Co. Anti-overshoot thermostatic valve. 3,233,829, 2–8–66, Cl. 236—34.
Kelly, Earl M., to The Eimco Corp. Tank cover structure. 3,288,295, 11–29–66, Cl. 210—194.
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Kelly, Earle S., to North American Philips Co., Inc. Apparatus for manufacturing grids for electron tubes. 3,249,130, 5–3–66, Cl. 140—71.5.
Kelly, Earle S., to North American Philips Co., Inc. Method for making grids for electron discharge tubes. 3,252,485, 5–24–66, Cl. 140—71.5.
Kelly, Edgar, to General Electric Co. Collapsible parasol-like reflector utilizing flexible honeycomb shell. 3,286,270, 11–15–66, Cl. 343—915.
Kelly, Edgar J., to Libby, McNeill & Libby. Apparatus for improving flavor constituents. 3,280,008, 10–18–66, Cl. 202—160.
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Kelly, Fred L., and R. L. Wells, to Allied Chemical Corp. Process for preparing urea-formaldehyde foams and reducing the formaldehyde odor from said foam. 3,231,525, 1–25–66, Cl. 260—2.5.
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Kelly, George C., to General Mills, Inc. Plug handling apparatus for seamless tube mill. 3,277,687, 10–11–66, Cl. 72—209.
Kelly, Gordon E., and P. E. Crookshanks, to Radio Corp. of America. Color kinescope operating and testing arrangements. 3,270,125, 8–30–66, Cl. 178—5.4.
Kelly, Harold S., to Phillips Petroleum Co. Placement of resinous tubing inside a conduit and sealed therein with a viscous fluid. 3,230,129, 1–18–66, Cl. 156—287.
Kelly, Jacques M. M., to Societe des Mines de fer de la Mouriere. Method and plant for blending materials in bulk. 3,233,877, 2–8–66, Cl. 259—180.
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Kelly, James J., and V. A. Giambalvo, to American Cyanamid Co. 2,4-dimethylquinacridone in a "yellow" crystalline form. 3,264,300, 8–2–66, Cl. 260—279.
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Kelly, Joe T., and W. Schoen, to Standard Oil Co. Liquid paraffin isomerization process. 3,285,990, 11–15–66, Cl. 260—683.7.

Kelly, John B. Support for relatively movable components of a centrifugal machine. 3,249,215, 5–3–66, Cl. 206—46.

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Kelly, John M., Jr. Surfboard with nose and/or midsection lift generating means. 3,289,227, 12–6–66, Cl. 9—310.

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Kelly, Joseph L., Jr., to Hughs Tool Co. Solid head rotary-percussion bit with rolling cutter. 3,269,469, 8–30–66, Cl. 175—336.

Kelly, Joseph L., Jr., to Hughs Tool Co. Rotary-percussion drill bit with anti-wedging gage structure. 3,269,470, 8–30–66, Cl. 175—410.

Kelly, Leonard, and J. F. Hutter, to Sphere Investments Ltd. Apparatus for determining the resistance of moving bodies. 3,245,530, 4–12–66, Cl. 209—81.

Kelly, Mark E., Jr., to Dowsmith Inc. Wear-resistant article and method of making the same. 3,286,737, 11–22–66, Cl. 138—144.

Kelly, Neal B., to E. I. du Pont de Nemours and Co. Analytical logarithmic ratio determination apparatus. 3,273,448, 9–20–66, Cl. 88—14.

Kelly, Oliver K., to General Motors Corp. Transmission. 3,237,481, 3–1–66, Cl. 74—677.

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Kelly, William A., and P. J. Petix, to Lever Brothers Co. Apparatus for making multicolored soap bars. 3,268,970, 8–30–66, Cl. 25—8.

Kelly, William A., and P. J. Petix, to Lever Brothers Co. Striped soap bars and method and apparatus for making the same. 3,294,692, 12–27–66, Cl. 252—134.

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Kelman, Sheldon, and C. P. Priesing, to The Dow Chemical Co. Dewatering sewage sludge by gravity. 3,252,900, 5–24–66, Cl. 210—54.

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Kelsey, Norman F., to Technical Displays Inc., (aka Technical Displays, Inc., and Technical Displayers, Inc.). Display device with one rheostat. 3,256,013, 6–14–66, Cl. 272—8.5.

Kelsey, Norman F., to Technical Displays Inc., (aka Technical Displays, Inc., and Technical Displayers, Inc.). Display device with two rheostats. 3,256,014, 6–14–66, Cl. 272—8.5.

Kelsey, Robert H., to Horizons Inc. Preparation of inorganic oxide monofilaments. 3,270,109, 8–30–66, Cl. 264—178.

Kelsey, Winfield F., to United Elastic Corp. Method and apparatus for forming ribbon of partially cured elastic threads. 3,258,378, 6–28–66, Cl. 156—161.

Kelsh, Harry T., to Kelsh Instrument Co., Inc. Linkage for photogrammetric projection instrument. 3,228,285, 1–11–66, Cl. 88—24.

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Kelso, Robert E., to Dowley Mfg., Inc. Universal joint assembly and disassembly tool. 3,237,291, 3–1–66, Cl. 29—257.

Kelso, Robert G., to Union Carbide Corp. Vinyl halide resins stabilized with hydrocarbyl tin epoxy-alkyl succinates. 3,252,905, 2–1–66, Cl. 260—45.75.

Kelson, Arthur W., to Propper Mfg. Co., Inc. Sterilization bag construction. 3,245,607, 4–12–66, Cl. 229—62.

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Kelty, John F., Peter Eckrich & Sons, Inc. Carton. 3,258,192, 6–28–66, Cl. 229—39.

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Kelzenberg, Matthias, and D. Maubach. Apparatus for intimately sheathing foundation bodies with sheet metal jackets. 3,241,221, 3–22–66, Cl. 29—200.

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Kemenczky, Miklos. 3,279,179.

Kemenczky, Miklos, to Kemenczky Establishment. Steam actuated jet propulsion engine. 3,269,112, 8–30–66, Cl. 60—35.5.

Kemenczky, Miklos, to Kemenczky Establishment. Continuous pressure jet propulsion engine. 3,271,947, 9–13–66, Cl. 60—35.6.

Kemenczky, Miklos, to Kemenczky Establishment. Hydrodynamic valve structure. 3,279,178, 10–18–66, Cl. 60—221.

Kemenczky, Miklos, to Kemenczky Establishment. Jet propulsion engine with fuel injection means. 3,279,179, 10–18–66, Cl. 60—221.

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Kemeny, Julius, to General Electric Co. Fine tuning coupling apparatus for a television receiver. 3,240,182, 3–15–66, Cl. 116—124.4.

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Kemmer, John P., R. E. Scott, and W. F. Rhodes, to Litton Systems, Inc. Air data pressure transducer apparatus. 3,247,717, 4–26–66, Cl. 73—398.

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Kemmerer, Orvin J. Log handling apparatus. 3,250,412, 5–10–66, Cl. 214—147.

Kemmetmüller, Roland, D. K. Markow, and I. Pascher, to Waagner-Biro Aktiengesellschaft. Method and apparatus for removing steam peaks from process waste heat utilizers with variable steam generation. 3,234,920, 2–15–66, Cl. 122—7.

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Kemp, George T.: *See*—
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Kemp, George T., to Union Carbide Corp. Electrochemical touch detector. 3,227,932, 1–4–66, Cl. 317—230.

Kemp, John H., Jr. Apparatus for transferring palletized loads. 3,269,565. 8–30–66, Cl. 214—2.

Kemp, John H., Jr. Apparatus for unstacking pallets. 3,269,568, 8–30–66, Cl. 214—8.5.

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Lister, Robert D., Kemp, and Wilkins. 3,276,822.

Kemp, Robert F.: *See*—
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Kersey, Frank N., J. L. Kersey, Jr., and Kemp. 3,285,441.

Kemp, Willard E., to ACF Industries, Inc. Apparatus for handling bulk materials. 3,237,812, 8–1–66, Cl. 222—189.

Kemp, Willard E., to ACF Industries, Inc. Hopper structure. 3,246,805, 4–19–66, Cl. 222—195.

Kemp, Willard E., to ACF Industries, Inc. Hopper structure for pneumatically unloading bulk materials. 3,248,026, 4–26–66, Cl. 222—545.

Kemp, William G., to The Soundlock Corp. Acoustical system. 3,241,282, 3–22–66, Cl. 52—485.

Kemp, Woodrow E., to Koppers Co., Inc. Sacrificial anode coating. 3,231,535, 1–25–66, Cl. 260—29.6.

Kemp, Woodrow E., and R. C. Kenan, to Koppers Co., Inc. Sacrificial metal pipe coverings. 3,260,661, 7–12–66, Cl. 204—148.

Kempe, Robert A., and K. R. Szczepaniak, to Metalphoto Corp. Process for developing photosensitized anodized aluminum plates. 3,275,440, 9–27–66, Cl. 96—66.

Kempel, John J., to The Stanley Works. Retractable door pull. 3,234,583, 2–15–66, Cl. 16—122.

Kempel, Norbert F. Brakes for walking-aid vehicles. 3,279,567, 10–18–66, Cl. 188—176.

Kemper, Clarence A., G. F. Harper, and G. A. Brown, to Joseph Kaye & Co., Inc. Multiple-phase ejector refrigeration system. 3,277,660, 10–11–66, Cl. 62—116.

Kemper, Clarence A., G. F. Harper, and G. A. Brown, to Joseph Kaye & Co. Multiple-phase ejector distillation apparatus and desalination process. 3,288,685, 11–29–66, Cl. 203—11.

Kemper, Homer C. Liquid dispenser. 3,241,718, 3–22–66, Cl. 222—57.

Kemper, Joseph W. Monitoring system for a combustion apparatus and the like. 3,236,284, 2–22–66, Cl. 158—122.

Kemper, Maxwell F. Apparatus for driving tunnels. 3,250,078, 5–10–66, Cl. 61—85.

Kempf, Clayton A.: *See*—
Hutton, Jerry T., Nava, Shields, and Kempf. 3,231,886.

Kempson, Bertram C.: *See*—
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Kempson, Bertram C., to Dowty Hydraulic Units Ltd. Infinitely variable transmission. 3,256,747, 6–21–66, Cl. 74—472.

Kempson, Bertram C., to Dowty Hydraulic Units Ltd. Hydraulic apparatus. 3,276,283, 10–4–66, Cl. 74—339.

Kempton, Marvin L., to United States of America, Navy. Rod warhead. 3,228,336, 1–11–66, Cl. 102—67.

Kem-Wove Industries, Inc.: *See*—
Coates, Herbert W., Balgas, Hamilton, and Haynes. 3,291,677.

Kenaga, Clare B.: *See*—
Katsaros, Constantine, and Kenaga. 3,240,666.
Katsaros, Constantine, and Kenaga. 3,279,985.

Kenaga, Duane L., to The Dow Chemical Co. Method of polymerizing tris-(1-oziridinyl)-phosphine oxide within wood and resultant product. 3,242,004, 3–22–66, Cl. 117—136.

Kenaga, Duane L., and R. M. Gooch, to The Dow Chemical Co. Method of forming paper containing gaseous filled spheres of thermoplastic resins and paper thereof. 3,283,114, 12–20–66, Cl. 162—168.

Kenaga, Eugene E., to The Dow Chemical Co. Methods for the control of arachnids. 3,264,177, 8–2–66, Cl. 167—30.

Kenaga, Eugene E., and J. L. Hardy, to The Dow Chemical Co. Method of killing fresh water snails with phenols. 3,234,083, 2–8–66, Cl. 167—31.

Kenaga, Paul E., to The Western Overland Door Co. Lock handle assembly. 3,242,707, 3–29–66, Cl. 70—141.

Kenah, Paula M.: *See*—
Keith, Carl D., and Kenah. 3,245,920.

Kenan, Robert C.: *See*—
Kemp, Woodrow E., and Kenan. 3,260,661.

Kenausis, Lawrence C.: *See*—
Edgar, Donald E., and Kenausis. 3,281,339.

Kend, David, and A. Chiesa, to Park Electrochemical Corp. Method of laminating metal to wood. 3,264,159, 8–2–66, Cl. 156—298.

Kendale Washer and Stamping Co.: *See*—
Honroth, Kenneth A. 3,250,581.

Kendall, Albert F.: *See*—
Platz, Elwood T., Di Marco, and Kendall. 3,288,966.

Kendall, Bruce R. F., to Nuclide Corp. Method and apparatus for displaying changing spectra. 3,235,725, 2–15–66, Cl. 250—41.9.

Kendall Co., The: *See*—
Egler, Vernon C. 3,292,619.
Ericson, Richard E. 3,292,644.
Hannauer, George, Jr., Grimes, and Schaar. 3,243,488.
Hoey, Raymond M. 3,277,891.
Knohl, Herbert. 3,241,340.
Knohl, Herbert. 3,287,938.
Kumin, Victor M., and Kennedy. 3,243,861.
Laakso, Perttu V. 3,276,960.
Newman, Nicholas S., and Ryan. 3,255,509.
Rosecrans, Dean A. 3,275,001.
Satas, Conatas. 3,232,819.
Seltzer, Norman L. 3,227,511.
Seltzer, Norman L. 3,290,702.
Simmons, Robert A. 3,252,251.
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Spicer, Ronald F. 3,273,224.
Spicer, Ronald F., and Marshall. 3,280,546.
Steinbock, Fred C. 3,241,737.
Steinbock, Fred C. 3,279,591.
Steinbock, Fred C. 3,280,987.
Such, John J. 3,253,317.

Kendall, Earl W., to Rohr Corp. Process and composition for cleaning and polishing aluminum and its alloys. 3,228,816, 1–11–66, Cl. 156—21.

Kendall, Earl W., to Rohr Corp. Two-stage process for derusting and protecting the surfaces of ferrous materials. 3,290,174, 12–6–66, Cl. 134—3.

Kendall, Eric R.: *See*—
Bishop, Roger L., Kendall, and Palmer. 3,283,573.

Kendall, Ernest E., and R. J. McIntyre, to Sylvania Electric Products Inc. Incandescent lamp and fixture. 3,267,275, 8–16–66, Cl. 240—11.2.

Kendall, Hugh C.: *See*—
Auer, John H., Jr., and Kendall. 3,252,138.
Auer, John H., Jr., and Kendall. 3,268,725.

Kendall, Hugh C., and J. H. Auer, Jr., to General Signal Corp. Methods and apparatus for obtaining traffic data. 3,233,084, 2–1–66, Cl. 235—150.24.

Kendall, Jackson W., Jr., to Varian Associates. Electron tube and combination for sensing and regulating the cathode temperature thereof. 3,249,791, 5–3–66, Cl. 313—293.

Kendall, Jesse F., Jr.: *See*—
Abraham, Wayne G., Kendall, and Salisbury. 3,284,660.

Kendall, Louis F., Jr., and J. H. Bredt, to General Electric Co. Method for producing lead telluride thermoelectric elements by vacuum hot-pressing. 3,268,330, 8–23–66, Cl. 75—226.

Kendall Refining Co.: *See*—
Lawrence, Frank I. L. 3,293,050.
Lawrence, Franklin I. L., and Pohorilla. 3,243,424.
Lawrence, Franklin I. L., and Pohorilla. 3,279,928.

Kendall, Robert T., to Douglas Aircraft Co., Inc. Recovery system. 3,286,951, 11–22–66, Cl. 244—1.

Kendall, Sam, to Reynolds Metals Co. Distortion correction system. 3,288,909, 3–8–66, Cl. 113—120.

Kendall, William B., and P. H. Stewart, to Eastman Kodak Co. Sensitized electrophotographic composition. 3,241,959, 3–22–66, Cl. 96—1.

Kendall, William D., and K. C. Somhegyi, to Dynapower Systems Corp. of California. Universal support for electrotherapeutic treatment head. 3,243,497, 3–29–66, Cl. 174—61.

Kendall, William D., and F. A. Yarger, to Dynapower Systems Corp. High-performance electrotherapeutic treatment head. 3,270,746, 9–6–66, Cl. 128—404.

Kendick Mfg. Co., Inc.: *See*—
Bugg, Kenly C. 3,267,771.
Bugg, Kenly C. 3,286,069.

Kendig, Paul M., and D. C. Greene, to United States of America, Navy. Electroacoustic transducer for detection of low level acoustic signals over a broad frequency range. 3,243,767, 3–29–66, Cl. 340—10.

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Kendrick, Edward A., Jr. Bed rail for box spring. 3,248,826, 4–5–66, Cl. 5—286.

Kendrick, Frederick W.: *See*—
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Kendrick, Marron, and R. E. Neary, to Schlage Lock Co. Compartmented door. 3,283,443, 11–8–66, Cl. 49—62.

Kendrick, Nathan P.: *See*—
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Kendrick, Stanley H., to British Nylon Spinners, Ltd. Processes and apparatus for the automatic inspection and segregation of articles. 3,230,805, 1–18–66, Cl. 178—6.

Kendrick, Thomas C., and D. R. Thomas, to Midland Silicones Ltd. Polymerization of cyclic siloxanes. 3,274,154, 9–20–66, Cl. 260—46.5.

Kendt, Norman L., to General Electric Co. Dishwasher control means. 3,259,764, 7–5–66, Cl. 307—141.

Kendt, Norman L., to General Electric Co. Misalignment compensating coupling. 3,275,344, 9–27–66, Cl. 285—9.

Kendt, Norman L., and J. A. Dicken, Jr., to General Electric Co. Reservoir empty indicator. 3,272,011, 9–13–66, Cl. 73—299.

Kenedi, Peter G.: *See*—
Jongkind, Jan C., and Kenedi. 3,274,021.

Kengott, Alfred C.: *See*—
Anderson, Paul E., and Kengott. 3,264,787.

Kenk, Erhard. Nozzle for mixing chemicals with water. 3,250,476, 5–10–66, Cl. 239—316.

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Kenmoku, Masamichi, to Nippon Electric Co., Ltd. Ultra-high-frequency backward wave oscillator-klystron type amplifier tube. 3,292,033, 12–13–66, Cl. 315—3.6.

Kennametal, Inc.: *See*—
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McKenna, Phillip M. 3,226,929.
McKenna, Phillip M. 3,271,911.

Kennard, Doris B. Package for cigarettes and the like. 3,285,403, 11–15–66, Cl. 206—48.

Kennard, Kenneth C., and F. J. Russell, to Eastman Kodak Co. Stabilized silver halide emulsions. 3,236,652, 2–22–66, Cl. 96—109.

Kennard, Kenneth C., and D. F. Reardon, to Eastman Kodak Co. Antifoggant agents for photography. 3,266,897, 8–16–66, Cl. 96—61.

Kennard, Olga, and C. F. G. Dore, to National Research Development Corp. Construction of models representing molecular and other structures. 3,286,339, 11–22–66, Cl. 29—466.

Kennard, Thomas A. Application for rotatable power elevator. 3,272,266, 9–13–66, Cl. 173—164.

Kennard, Thomas A. Valve sub. 3,289,691, 12–6–66, Cl. 137—496.

Kennard, Thomas A. Pipe supporting well tool. 3,293,959, 12–27–66, Cl. 81—54.1.

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Michaelson, Stanley D., and Eilers. 3,288,273.
Pick, Hans H., and Bingham. 3,259,743.
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Stout, Allison B., Jr. 3,287,631.
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Kennedy, Donald A. M., to Simms Motor Units Ltd. Nut assemblies. 3,279,706, 10–18–66, Cl. 239—533.

Kennedy, Donald J., to J. E. (Jerry) Horne. Adherent protective covering for blisters, wounds and the like. 3,247,-845, 4–26–66, Cl. 128—156.

Kennedy, Eugene H., to Combustion Engineering, Inc. Furnace for producing char from black liquor. 3,250,598, 5–10–66, Cl. 23—277.

Kennedy, Everett P., to Ford Motor Co. Motor vehicle pedal support. 3,275,094, 9–27–66, Cl. 180—90.6.

Kennedy, Floyd E. Hospital drain bag hanger. 3,231,901, 2–1–66, Cl. 4—110.

Kennedy, Frank, to United States Steel Corp. Blast furnace probe. 3,229,526, 1–18–66, Cl. 73—421.5.

Kennedy, Frank, to United States Steel Corp. Apparatus for controlling admission of fuel to a blast furnace. 3,229,-969, 1–18–66, Cl. 266—29.

Kennedy, Frank, to United States Steel Corp. Blast furnace probe. 3,240,069, 3–15–66, Cl. 73—421.5.

Kennedy, Frank J., to H. K. Porter Co., Inc. Protective coating for ferrous metal conduit. 3,254,005, 5–31–66, Cl. 204—37.

Kennedy, George C., to General Electric Co. Electrolyte for electrochemical material removal. 3,230,160, 1–18–66, Cl. 204—143.

Kennedy, Harold E., to H. H. Robertson Co. Process for fabricating protected metal sheets. 3,274,679, 9–27–66, Cl. 29—473.1.

Kennedy, Harry M., to The Superior Equipment Co. Counterweight system for tractors having side-mounted attachments. 3,236,391, 2–22–66, Cl. 212—8.

Kennedy, Howard L., to Motorola Inc. Pulse generator system providing pulse superimposed on pedestal. 3,273,075, 9–13–66, Cl. 331—87.

Kennedy, James A., and W. A. Sunter, to Harvey Hubbel, Inc. Keyed dead front electrical connector and cap. 3,233,203, 2–1–66, Cl. 339—42.

Kennedy, James E.: *See*—
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Kennedy, James M.: *See*—
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Kennedy, John H., to E. I. du Pont de Nemours and Co. Diniobloheteropoly acids and salts thereof. 3,227,518, 1–4–66, Cl. 23—50.

Kennedy, John J., and L. A. Pojman, to Western Electric Co., Inc. Apparatus for securing threaded members and for detecting improperly secured threaded members. 3,249,221, 5–3–66, Cl. 209—74.

Kennedy, John K.: *See*—
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Kennedy, John R., and J. H. Ladd. Composite spray container assembly. 3,236,457, 2–22–66, Cl. 239—304.

Kennedy, Joseph G.: *See*—
Angst, Walter, Von Ranson, and Kennedy. 3,247,518.

Kennedy, Maurice E.: *See*—
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Kennedy, Merritt T., Jr. Tell-tale devices containing pasty fermentable body for refrigerated package goods. 3,268,-345, 8–23–66, Cl. 99—192.

Kennedy, Michael E., III, to Peter Kennedy, Inc. Composite method and plastic ski. 3,272,522, 9–13–66, Cl. 280—11.13.

Kennedy, Peter, to United Kingdom Atomic Energy Authority. Process of producing spheroids of nuclear fuel materials by agglomeration. 3,230,280, 1–18–66, Cl. 264—.5.

Kennedy, Peter, Inc.: *See*—
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Kennedy, Stephen J., E. R. Barron, M. K. Holly, and D. W. Buffington, to United States of America, Army. Armored body shield. 3,292,181, 12–20–66, Cl. 2—2.5.

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Kennedy, Thomas B., to Diamond International Corp. Molded pulp container. 3,233,812, 2–8–66, Cl. 229—2.5.

Kennedy, Thomas E., to Clark Equipment Co. Angularly adjustable shelf bracket. 3,248,079, 4–26–66, Cl. 248—242.

Kennedy, Thomas J. Back cleaning device. 3,289,215, 12–6–66, Cl. 4—158.

Kennedy Van Saun Mfg. & Eng. Corp.: *See*—
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Niemitz, Gerhard. 3,290,029.

Kennedy, Wallace M., to General Motors Corp. Crankcase vapor recycling system. 3,241,534, 3–22–66, Cl. 123—119.

Kennedy, Walter L., Sr. Fuel injector. 3,266,785, 8–16–66, Cl. 261—41.

Kennedy, Walter W., to Barber-Colman Co. Face plate for an air distribution outlet. 3,232,206, 2–1–66, Cl. 98—40.

Kennedy, Walter W., to Barber-Colman Co. Air distributor. 3,276,348, 10–4–66, Cl. 98—40.

Kennedy, Walter W., to Barber-Colman Co. Regulator for constant volume of gas flow. 3,276,480, 10–4–66, Cl. 138—45.

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Watson, Marshall T., and Kennedy. 3,284,223.

Kennedy, William J., to The Hensley Co. Mailing device. 3,255,953, 6–14–66, Cl. 229—92.3.

Kennedy, William J., Jr.: *See*—
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Kennedy, William H. Tube-straightening tools. 3,270,542. 9–6–66, Cl. 72—160.

Kennel, William. Foldable fishing rod. 3,245,169, 4–12–66, Cl. 43—18.

Kennepohl, Kenneth K. Balanced pressure pump for liquid petroleum fuel. 3,273,584, 9–20–66, Cl. 137—209.

Kennepohl, Kenneth K. Liquid petroleum fuel cleaner. 3,273,718, 9–20–66, Cl. 210—120.

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Kuhn, James O. 3,280,720.

Kennette, John W., to Cumberland Chemical Corp. Method of sizing yarn with polyvinyl alcohol. 3,235,402, 2–15–66, Cl. 117—115.

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Kenney, Joseph F., to Remington Arms Co. Basic lead double salts of picric acid and method of preparing such salts. 3,262,956, 7–26–66, Cl. 260—435.

Kenney, Joseph F., to Remington Arms Co., Inc. Complex salts of basic lead picrate. 3,293,091, 12–20–66, Cl. 149—24.

Kenney, Mahlon W.: *See*—
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Kenney, Robert W., to A. O. Smith Corp. Transfer apparatus. 3,240,241, 3–15–66, Cl. 141—217.

Kenney, William J., to Me-Hi Enterprises, Inc. Fog dispenser having a motor for simultaneously operating a pump and impeller. 3,255,967, 6–14–66, Cl. 239—133.

Kenning, John H.: *See*—
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Kenny, Richard J., to The Martin Marietta Corp. Zero gravity start device. 3,254,486, 6–7–66, Cl. 60—35.6.

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Kenreich, Richard R., and D. D. Bing, to Whirlpool Corp. Fabric dryer. 3,239,947, 3–15–66, Cl. 34—133.

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Kenrick, Joseph F. and J. J. Holding device. 3,265,261, 8–9–66, Cl. 224—29.

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Kent, Alfred W., to Bentley Engineering Co. Ltd. Circular knitting machines. 3,230,743, 1–25–66, Cl. 66—28.

Kent, Alfred W., to The Bentley Engineering Co. Ltd. Circular knitting machines. 3,283,544, 11–8–66, Cl. 66—140.

Kent Engineering Consultants: *See*—
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Van Noord, Andrew J. 3,283,607.

Kent, Eugene A., to Nalco Chemical Co. Jet fuel additives. 3,258,320, 6–28–66, Cl. 44—71.

Kent, George, Ltd.: *See*—
Hutcheon, Ian C. 3,249,852.

Kent, Gerald J.: *See*—
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Kent, Harry W., B. H. France, and D. L. Likens, to Radiation Inc. Printed circuit card frame. 3,288,301, 11–29–66, Cl. 211—41.

Kent, Holger C., J. M. Lazar, and J. H. Lindahl, to Honeywell Inc. Control apparatus. 3,254,864, 6–7–66, Cl. 244—78.

Kent, Ivor, G. Packman, and P. Waine, to United Kingdom Atomic Energy Authority. Fuel elements for nuclear reactors. 3,238,109, 3–1–66, Cl. 176—78.

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Kent, Owen, to Reliance Camera & Photo Supplies Inc. Extensible camera and flash gun support. 3,289,563, 12–6–66, Cl. 95—86.

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Kent, Preben, to Clary Corp. Multi-way valve. 3,283,783, 11–8–66, Cl. 137—625.42.

Kent, Stanley J., to United States of America, Army. Pressure tight igniter fitting. 3,285,176, 11–15–66, Cl. 102—70.

Kentes, Frances M. V-shaped vehicle mirror and mounting assembly. 3,252,377, 5–24–66, Cl. 88—87.

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Johnson, Jay H. 3,239,708.
Johnson, Jay H. 3,250,935.
Johnson, Jay H. 3,258,625.

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Kentucky Research Foundation, The: *See*—
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Kenyon, Albert R., to United Kingdom Atomic Energy Authority. Method of producing a conduit. 3,235,630, 2–15–66, Cl. 29—155.5.

Kenyon, Alonzo F., and A. W. Smith, Jr., to Westinghouse Electric Corp. Workpiece shape control with a rolling mill. 3,248,916, 5–3–66, Cl. 72—12.

Kenyon, Charles H., to Corning Glass Works. Combined shipping package and protective armor for glass pipe. 3,294,225, 12–27–66, Cl. 206—46.

Kenyon, George C.: *See*—
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Kenyon, Ralph W. Blind flight without gyros, methods and instruments. 3,289,475, 12–6–66, Cl. 73—178.

Kenyon, Theodore W. Erector mechanism. 3,241,378, 3–22–66, Cl. 74—5.43.

Kenyon, Theodore W. Boat speedometer. 3,287,968, 11–29–66, Cl. 73—186.

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Keough, Allen H., to Norton Co. Catalytic production of olefins. 3,244,766, 4–5–66, Cl. 260—682.

Kepes, George B., to Northern Electric Co. Ltd. Lead sleeve cutting and handling equipment. 3,267,783, 8–23–66, Cl. 83—112.

Kephart, Charles B., Jr. Method and means for sharpening a chain saw device. 3,283,615, 11–8–66, Cl. 76—86.

Kepkay, Leslie L., to Massey-Ferguson Ltd. Auxiliary rethresher for a combine. 3,247,855, 4–26–66, Cl. 130—27.

Kepler, Raymond G., and M. S. Sadler, to E. I. du Pont de Nemours and Co. Circuit components. 3,252,061, 5–17–66, Cl. 317—235.

Keplinger, Miller M., and P. D. Wenzel, to J. I. Case Co. Means adjustably connecting an earth working disk to a standard. 3,244,237, 4–5–66, Cl. 172—603.

Keppie, James E., to Phillips Petroleum Co. Solid product containing normally liquid hydrocarbon and normally solid polyolefin. 3,232,720, 2–1–66, Cl. 44—7.

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Kerbow, Odis D., to Camco, Inc. Magnetic testing apparatus for measuring internal diameter and surface variations in wall casing. 3,284,701, 11–8–66, Cl. 324—37.

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Kerensky, Gleb, to The English Electric Co. Ltd. Fluid machines. 3,239,193, 3–8–66, Cl. 253—26.

Kerensky, Gleb, to The English Electric Co. Ltd. Regulation of hydraulic turbines. 3,275,008, 9–27–66, Cl. 137—25.

Kerensky, Gleb, to The English Electric Co., Ltd. Control systems for hydraulic turbines. 3,276,461, 10–4466, Cl. 137—25.

Keresztes, Sandor B. Removable blade. 3,281,972, 11–1–66, Cl. 37—141.

Keresztury, Laszlo Z. Semiconductor heat sink and/or cooler. 3,229,756, 1–18–66, Cl. 165—67.

Kerfoot, Oliver C.: *See*—
Kapur, Brij L., and Kerfoot. 3,272,881.

Kerios, Pan, and A. Troiano, to Radio Corp. of America. Doubler circuit. 3,240,958, 3–15–66, Cl. 307—110.

Kerite Co., The: *See*—
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Hvizd, Andrew, Jr. 3,287,489.

Kerker, William C.: *See*—
Cascio, Jack, and Kerker. 3,283,930.

Kerkvliet, Ferdinand G. Screw auger conveyor with rotatable tube. 3,279,592, 10–18–66, Cl. 198—215.

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Kern, Werner, O. Schweitzer, and R. Schulz, to Deutsch Gold- und Silber-Scheideanstalt vormals Roessler. Conversion of non-fusible and insoluble polyacroleins with hydroxyl amine. 3,234,164, 2–8–66, Cl. 260—29.6.

Kern, Werner, O. Schweitzer, and R. Schulz, to Deutsch Gold- und Silber-Scheideanstalt vormals Roessler. Process for conversion of non-fusible and insoluble polyacroleins with sulfurous acid or bisulfites. 3,235,524, 2–15–66, Cl. 260—29.6.

Kern, Werner, R. Schulz, and I. Lofund, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Process for the production of cross-linked compound polymers of polyacrolein. 3,271,334, 9–6–66, Cl. 260—8.

Kern, Werner, V. Jaacks, and H. Deibig, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Stabilization of polyoxymethylenes. 3,271,369, 9–6–66, Cl. 260—67.

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Kerr, Douglas A., and G. F. Swetnam, Jr., to Bell Telephone Laboratories, Inc. Convertible binary counter and shift register with interstage gating means individual to each operating mode. 3,294,919, 12–27–66, Cl. 179—18.

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Kerr, Ralph O., to Petro-Tex Chemical Corp. Preparation of dicarboxylic anhydrides. 3,255,212, 6–7–66, Cl. 260—346.8.

Kerr, Ralph O., to Petro-Tex Chemical Corp. Preparation of dicarboxylic anhydrides. 3,255,213, 6–7–66, Cl. 260—346.8.

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Kerr, Raymond W. Safety type bullets. 3,245,349, 4–12–66, Cl. 102—41.

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Kerr, William J., to Chicago Lock Co. Tumbler pin assembly jig and coding device therefor. 3,258,945, 7–5–66, Cl. 70—372.

Kerr, William J., to Chicago Lock Co. Quick-change axial pin tumbler lock assembly. 3,261,188, 7–19–66, Cl. 70—363.

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Kerschner, Paul M., to Cities Service Oil Co. Synthetic polyester lubricants. 3,278,438, 10–11–66, Cl. 252—56.

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Kersey, Frank N., J. L. Kersey, Jr., and T. H. Kemp, to Automatic Sprinkler Corp. of America. Unloading apparatus for cars and trucks. 3,285,440, 11–15–66, Cl. 214—44.

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Kersker, Theodore M., and J. W. Meherg, to The Goodyear Tire & Rubber Co. Method of processing tire cords, tire cord fabric, and the like. 3,250,641, 5–10–66, Cl. 117—93.31.

Kersker, Theodore M., and A. H. Bridge, Jr., to The Goodyear Tire & Rubber Co. High pressure pneumatic tire. 3,253,638, 5–31–66, Cl. 152—359.

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Kerwin, James F., to Smith Kline & French Laboratories. B-norsteroid derivatives. Re. 26,050, 6–28–66, Cl. 260—343.2.

Kerwin, John M. Portable lavatory plumbing system. 3,270,352, 9–6–66, Cl. 4—192.

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Kersnar, Edward R., and S. L. Schultz. Snow melting device. 3,261,965, 7–19–66, Cl. 219—420.

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Kesselring, Fritz, to Westinghouse Electric Corp. Contact constructions for circuit interrupters. 3,271,548, 9–6–66, Cl. 200—148.

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Kesselring, Fritz, to Siemens-Schuckertwerke Aktiengesellschaft. Synchronous-type fluid-blast circuit interrupters having spaced nozzle-shaped contacts. 3,291,950, 12–13–66, Cl. 200—148.

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Kessler, Gerald. Yarn-type weather stripping. 3,235,918, 2+22–66, Cl. 20—69.

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Kessler, Milton. Closable pouring spout and an axially slidable cap moving a plug thereon for liquid containers. 3,276,640, 10-4-66, Cl. 222—525.

Kessler, Sebastian W., Jr., to Radio Corp. of America. Ceramic-to-metal seals. 3,284,118, 11-8-66, Cl. 287—189.365.

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Kesslin, George, A. C. Flisik, and R. W. Handy, to Kay-Fries Chemicals, Inc. Production of purified orthoformic esters. 3,258,496, 6-28-66, Cl. 260—615.

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Kestel, Heinrich, to H. and P. Wacker. Lubricating means for a system for a manually guided motor driven working device. 3,286,790, 11-22-66, Cl. 184—6.

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Kester, Harry F., and P. R. Woollett, to Phillips Petroleum Co. Dustless pneumatic conveyor and process. 3,236,565, 2-22-66, Cl. 302—17.

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Kesting, Lorenz. Transportable pre-cast garage. 3,247,630, 4-26-66, Cl. 52—143.

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Kesting, Robert E., ½ to Aerojet-General Corp., and ½ to United States of America, Interior. Partially hydrolyzed cellulosic reverse osmosis membranes and methods of preparing the same. 3,290,286, 12-6-66, Cl. 260—230.

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Ketley, Arthur D., to W. R. Grace & Co. Process for the polymerisation of spiro compounds. 3,259,665, 7-5-66, Cl. 260—666.

Ketley, Arthur D., to W. R. Grace & Co. 1-cyclopropyl-5-vinyl cyclopentene and 8-vinyl bicyclo [3.3.0] octene-1 preparation. 3,283,022, 11-1-66, Cl. 260—666.

Ketley, Arthur D., and R. J. Ehrig, to W. R. Grace & Co. Polymerization of allyl cyclopentane with a Friedel-Crafts catalyst. 3,294,771, 12-27-66, Cl. 260—93.1.

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Kibble, John D., and R. G. Penn, to Coal Industry (Patents) Ltd. Mine roof supports. 3,246,576, 4-19-66, Cl. 91—189.

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Kiekhaefer, Elmer C. 3,240,453.
Kiekhaefer, Elmer C. 3,246,698.
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Kiekhaefer, Elmer C. 3,259,100.
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Erickson, Porter W., and Kinna. 3,276,705.
Kinnard, Wolcott S. Portable carrier or dolly for photographic equipment. 3,279,348, 10–18–66, Cl. 95—86.
Kinnavy, Roger J., to Crane Co. Pump. 3,233,552, 2–8–66, Cl. 103—126.
Kinne, Felix L. Irrigation channel wood seed screen. 3,282,430, 11–1–66, Cl. 210—162.
Kinnear, Arthur M. G.: *See*—
Bull, Thomas H., and Kinnear. 3,259,681.
Kinnear, James E., to Handy Angle Ltd. Framework structures. 3,261,309, 7–19–66, Cl. 108—156.
Kinney, Alfred W., to American Can Co. Method and apparatus for capping individual containers. 3,248,934, 4–5–66, Cl. 53—39.
Kinney, Alfred W., to American Can Co. Apparatus for collating tapered articles. 3,253,694, 5–31–66, Cl. 198—33.
Kinney, Edward S.: *See*—
Chambers, Francis T., III, and Kinney. 3,287,720.
Kinney, Elmer H.: *See*—
Ellsworth, James P., Dyer, and Kinney. 3,280,379.
Kinney, George A., to E. I. du Pont de Nemours and Co. Method and apparatus for forwarding filaments by jet means. 3,286,896, 11–22–66, Cl. 226—97.
Kinney, John C. Invalids chair. 3,269,768, 8–30–66, Cl. 297—68.
Kinney, Robert E.: *See*—
Nixon, John E., and Kinney. 3,257,966.
Kinney, S. P., Engineers, Inc.: *See*—
Carr, Hugh B. 3,266,517.
Carr, Hugh B., and Kinney. 3,287,643.
Kinney, S. P., Engineering, Inc.: *See*—
Carr, Hugh B. 3,275,151.
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Kirk, Walter B., Jr., Kinney, and Gogarty. 3,279,537.
Kinnicutt, Roger, Jr., and D. Sleurin, to Morgan Construction Co. Rod switching apparatus. 3,258,951, 7–5–66, Cl. 72—203.
Kino, Gordon A., and N. J. Taylor, to Varian Associates. Hollow beam electron gun. 3,258,626, 6–28–66, Cl. 313—82.
Kinoshita, Hishashi, to Kureha Spinning Co., Ltd., and Fuji Iron Works Co., Ltd. Lap winding and doffing apparatus. 3,239,155, 3–8–66, Cl. 242—55.1.
Kinoshita, Shukuo, K. Nakayama, T. Suzuki, and Z. Sato, to Kyowa Hakko Kogyo Co., Ltd. Method for manufacturing inosinic acid by fermentation. 3,232,844, 2–1–66, Cl. 195—28.
Kinoshita, Shukuo, H. Samejima, K. Mizuhara, T. Nara, and M. Misawa, to Kyowa Hakko Kogyo Co., Ltd. Method for producing L-isoleucine by fermentation process. 3,262,861, 7–26–66, Cl. 195—29.
Kinoshita, Shukuo, T. Nara, and M. Misawa, to Kyowa Hakko Kogyo Co., Ltd. Process for manufacture of 5'-purine nucleotide by the formentation method. 3,268,415, 8–23–66, Cl. 195—28.
Kinoshita, Toshio, and A. Kurabayashi, to Kabushiki Kaisha Hitachi Seisakusho. Programmer. 3,243,693, 3–29–66, Cl. 323—94.
Kinosian, Garabed: *See*—
Kaltsas, Angel, Kinosian, and Javery. 3,290,899.
Kinsella, Howard R., Jr., to White-Rodgers Co. Water heater and control therefor. 3,246,119, 4–12–66, Cl. 219—321.
Kinsella, Howard R., Jr., to Emerson Electric Co. Water heater and control therefor. 3,249,740, 5–3–66, Cl. 219—321.
Kinsella, John J.: *See*—
Schwertz, and Kinsella. 3,287,161.
Kinsey, Claude J., P. K. Trimble, and W. J. Volke, to General Motors Corp. Balancing machine. 3,235,073, 2–15–66, Cl. 209—72.
Kinsey, Dale N., F. R. Jensen, and J. H. Hennes, to The Dow Chemical Co. Ethylenimmonium salts. 3,248,385, 4–26–66, Cl. 260—239.
Kinsey, Denis V., L. J. Valette, and J. Lothe, to United Kingdom Atomic Energy Authority. High-temperature gas-cooled reactors with internal fission by-product trapping means. 3,275,522, 9–27–66, Cl. 176—37.
Kinsey, Richard R., to General Electric Co. Anchor-slot waveguide coupling aperture. 3,230,483, 1–18–66, Cl. 333—10.
Kinsey, Richard R., to General Electric Co. Series-fed phased array. 3,258,774, 6–28–66, Cl. 343—854.
Kinsley, Charles W., to Glass Machinery Inc. Timer mechanism. 3,273,593, 9–20–66, Cl. 137—624.17.
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Kinsworthy, Donald D., to The Lau Blower Co. Air moving device. 3,251,540, 5–17–66, Cl. 230—117.
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Kintner, Mildred M. Bedding securing structure. 3,243,827, 4–5–66, Cl. 5—334.
Kintner, Paul M.: *See*—
Conover, Louis S., Jr., and Kintner. 3,268,710.
Kintner, Paul M., to Cutler-Hammer, Inc. Pulse generating circuit rendered insensitive to contact bounce via isolation of load from input circuit. 3,230,394, 1–18–66, Cl. 307—88.5.
Kintner, Paul M., to Cutler-Hammer, Inc. Binary logic modules. 3,249,762, 5–3–66, Cl. 307—88.5.
Kintslaid Engineering Co. Ltd.: *See*—
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Kintzel, Gerhard, and G. Nitsche, to Nassovia Werkzeugmaschinenfabrik G.m.b.H. Adjustable drant for spark erosion machine. 3,266,519, 8–16–66, Cl. 137—579.
Kinzer, George R.: *See*—
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Kiper, Gerd, to Agfa Aktiengesellschaft. Shutter operating structure for cameras. 3,230,854, 1–25–66, Cl. 95—63.
Kiper, Gerd, to Agfa Aktiengesellschaft. Full-stroke actuating means for a shutter. 3,230,855, 1–25–66, Cl. 95—63.
Kiper, Gerd, to Agfa Aktiengesellschaft. Photographic shutter. 3,252,395, 5–24–66, Cl. 95—60.
Kiper, Gerd, to Agfa Aktiengesellschaft. Central photographic shutter. 3,267,829, 8–23–66, Cl. 95—63.
Kiper, Gerd, to Agfa Aktiengesellschaft. Between-the-lens shutter assemblies. 3,269,293, 8–30–66, Cl. 95—60.
Kiper, Gerd, to Agfa Aktiengesellschaft. Between-the-lens shutter assembly. 3,269,294, 8–30–66, Cl. 95—63.
Kiper, Gerd, to Agfa Aktiengesellschaft. Central photographic shutter. 3,273,481, 9–20–66, Cl. 95—63.
Kipnis, Abraham. Toilet rack. 3,228,737, 1–11–66, Cl. 312—206.
Kiraly, Joseph L., and E. C. Webb, to Lakewood Mfg. Co. Combined marine propulsion and steering means. 3,267,666, 8–23–66, Cl. 60—35.54.
Kiraly, Julius J. Automobile positioning guide. 3,255,711, 6–14–66, Cl. 104—242.
Kirby, Charles A., to Allied Building Components Inc. Folding door assembly and mounting units therefor. 3,233,657, 2–8–66, Cl. 160—206.
Kirby, Colin W.: *See*—
Kirby, Kenneth, K. R. T., and C. W. 3,250,152.
Kirby, Kenneth, K. R. T., and C. W. 3,270,602.
Kirby, Edward J., to Microsound Inc. Fuel tank for motor bike. 3,269,480, 8–30–66, Cl. 180—85.
Kirby, Keith R. T.: *See*—
Kirby, Kenneth, K. R. T., and C. W. 3,250,152.
Kirby, Kenneth, K. R. T., and C. W. 3,270,602.
Kirby, Kenneth, K. R. T., and C. W., to Kirby's (Engineers) Ltd. Method of and apparatus for creasing and/or cutting cardboard and analogous flexible sheet material. 3,250,152, 5–10–66, Cl. 76—107.
Kirby, Kenneth, K. R. T., and C. W., to Kirby's (Engineers) Ltd. Apparatus for cutting cardboard and analogous flexible material. 3,270,602, 9–6–66, Cl. 83—103.
Kirby, Peter: *See*—
Hackmann, Johannes Th., and Kirby. 3,275,647.
Kirby, Peter, to Shell Oil Co. Polymers of alkenyl phosphorus esters. 3,243,417, 3–29–66, Cl. 260—86.1.
Kirby, Peter, J. Roberts, and J. H. Davies. Preparation of thiadiazoles. 3,275,646, 9–27–66, Cl. 260—304.
Kirby, Robert A., to Esso Production Research Co. Seismic system. 3,288,244, 11–29–66, Cl. 181—.5.
Kirby, Thomas F. Portable cooking stove. 3,277,880, 10–11–66, Cl. 126—40.
Kirby, William G., and R. Marlow, to International Energy Conversion, Inc. Modular assembly for functional electronic blocks. 3,290,559, 12–6–66, Cl. 317—101.

Kirby's (Engineers) Ltd.: *See*—
Kirby, Kenneth, K. R. T., and C. W. 3,250,152.
Kirby, Kenneth, K. R. T., and C. W. 3,270,602.
Kirch, William: *See*—
Solvik, Ragnar S., and Kirch. 3,227,312.
Kirche, Robert M. Drape folding machine. 3,279,661, 10–18–66, Cl. 223—32.
Kirchgessner, Leo, to Robert Bosch G.m.b.H. Two-terminal lossy resonant filter for suppressing interference frequencies in ignition systems. 3,251,010, 5–10–66, Cl. 333—70.
Kirchhof, Werner, and K. Kosswig, to Chemische Werke Huls Aktiengesellschaft. Di- and triepoxide derivatives of trivinylcyclohexane. 3,251,861, 5–17–66, Cl. 260—348.
Kirchhof, Werner, W. Stumpf, and B. Schleimer, to Chemische Werke Huls Aktiengesellschaft. Preparation of liquid expoxides from polydiolefins. 3,253,000, 5–24–66, Cl. 260—348.
Kirchner, Albert: *See*—
Brombach, Ernst, and Kirchner. 3,277,759.
Brombach, Ernst, and Kirchner. 3,279,291.
Kirchner, Carl E., Jr., and E. Johnson, Jr., to Fiber Industries, Inc. Transfer tail retainer. 3,285,530, 11–15–66, Cl. 242—125.1.
Kirchner, Ernst: *See*—
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Kirchner, George J., to Hapad, Inc. Apparatus for making felt pads. 3,245,293, 4–12–66, Cl. 83—1.
Kirchner, George J., and E. D. W. Hauser, to Hapad, Inc. Orthopedic pads. 3,265,071, 8–9–66. Cl. 128—586.
Kirchner, Karl. Means for changing the drive of a screen wiper from constant to intermittent wiping, more especially for motor vehicles. 3,241,390, 3–22–66, Cl. 74—436.
Kirchner, Ulrich: *See*—
Opderbeck, Fritz, Ploetz, Scheuring, Kirchner, Berger, and Wilken. 3,293,116.
Kirchner, Willi: *See*—
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Kirchner, Willi, to Kugelfischer Georg Schafer & Co. Method for recording a continuous trace of a succession of measured values. 3,261,021, 7–12–66, Cl. 346—1.
Kirchner, Willi, to Kugelfischer Georg Schafer & Co. Device for recording a continuous trace of a succession of measured values. 3,281,862, 10–25–66, Cl. 346—112.
Kirchoff, Paul M., to W. J. Adams. Drain line coupling for plain end glass pipe. 3,232,647, 2–1–66, Cl. 285—236.
Kiriakou, Nicholaos K. Oar lock device. 3,252,171, 5–24–66, Cl. 9—26.
Kirilouckas, Albert C., to Winston Research Corp. Reel holding unit. 3,263,937, 8–2–66, Cl. 242—68.3. 3,264,757, 8–9–66, Cl. 35—5.
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Kirimura, Jiro, and T. Yoshida, to Ajinomoto Co., Inc. Water-insoluble copolymer of acylase with an amino acid anhydride. 3,248,356, 3–29–66, Cl. 195—63.
Kirk & Blum Mfg. Co., The: *See*—
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Kirk, Bruce A. Plumber's snake unit. 3,283,353, 11–8–66, Cl. 15—104.3.
Kirk, Charles C., and R. S. Gregorian, to W. R. Grace & Co. Method for forming biaxially oriented film. 3,265,790, 8–9–66, Cl. 264—95.
Kirk, Charles R. Swivel hook for apertured board. 3,275,272, 9–27–66, Cl. 248—225.
Kirk, David N., and V. Petrow, to The British Drug Houses Ltd. 3-enol ethers of 6-methyl-3-oxo-Δ⁴-steroids and process for preparing same. 3,228,933, 1–11–66, Cl. 260—239.55.
Kirk, Edwin C., to Leggett & Platt, Inc. Side rails for bed steads. 3,226,735, 1–4–66, Cl. 5—279.
Kirk, Francis H., to General Electric Co. Electric surface heating unit. 3,243,577, 8–29–66, Cl. 219—450.
Kirk, George A. to General Signal Corp. Object detection system. 3,248,691, 4–26–66, Cl. 340—38.
Kirk, George A., to General Signal Corp. Electronic power control apparatus employing capacitron type tubes. 3,249,803, 5–3–66, Cl. 315—168.
Kirk, George A., and E. K. Smith, to General Signal Corp. Method and system for switching high currents using pool type tubes with external firing bands. 3,249,801, 5–3–66, Cl. 315—166.
Kirk, Harold L., to American Air Filter Co., Inc. Explosive-proof electric radiant heater. 3,235,708, 2–15–66, Cl. 219—358.
Kirkpatrick, John H., Jr. Agricultural implements. 3,235,013, 2–15–66, Cl. 172—413.
Kirk, James C., to Columbian Carbon Co. Cycloolefin production. 3,247,270, 4–19–66, Cl. 260—666.
Kirk, James H.: *See*—
Patinkin, Seymour H., Steinhoff, and Kirk. 3,288,577.
Kirk, James H., to Sinclair Research, Inc. Liquid fuel burner with combustion aid. 3,238,994, 3–8–66, Cl. 158—73.
Kirk, James H., S. H. Patinkin, and W. L. Steinhoff, to Sinclair Research, Inc. Fuels of improved low temperature pumpability. 3,250,599, 5–10–66, Cl. 44—62.
Kirk, Joseph R., to Atwood Vacuum Machine Co. Seat slide. 3,258,240, 6–28–66, Cl. 248—430.
Kirk, Merritt C., Jr.: *See*—
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Kirk, Morris P., & Son, Inc.: *See*—
Larrieu, Leslie J. 3,234,016.
Kirk Optical Lens Co., Inc.: *See*—
Kirk, Stanley. 3,258,323.
Kirk, Robert M., G. W. Overton, C. H. Specht, and R. G. Daufman, to Minnesota Mining and Mfg. Co. Abrasive sponge. 3,256,075, 6–14–66, Cl. 51—295.
Kirk, Roy C., to The Dow Chemical Co. Low power output deferred action type primary battery. 3,228,800, 1–11–66, Cl. 136—100.
Kirk, Roy C., and J. F. Mills, to The Dow Chemical Co. Primary cells utilizing organic depolarizer. 3,231,427, 1–25–66, Cl. 136—83.
Kirk, Russell D.: *See*—
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Kirk, Sidney A.: *See*—
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Kirk, Stanley, to Kirk Optical Lens Co., Inc. Ophthalmic lens hardening apparatus. 3,258,323, 6–28–66, Cl. 65—349.
Kirk, Thomas E., to General Motors Corp. Malfunction indicator for semiconductor voltage regulators. 3,295,122, 12–27–66, Cl. 340—248.
Kirk, Thomas E., and W. D. Worrell, to General Motors Corp. Fault indicator circuit for diode-rectified generator. 3,270,331. 8–30–66, Cl. 340—248.
Kirk, Walter B., Jr., W. L. Kinney, and W. B. Gogarty, to Marathon Oil Co. Process for recovering oil utilizing non-Newtonian fluids. 3,279,537, 10–18–66, Cl. 166—9.
Kirkeby, Eivind. Support for lamp. 3,239,184, 3–8–66, Cl. 248—280.
Kirkeby, Eivind. Counterbalanced lamp. 3,280,322, 10–18–66, Cl. 240—52.
Kirkeby-Natus Corp.: *See*—
Hicks, Walter R., and Mendelsohn. 3,262,358.
Kirkendall, Robert K.: *See*—
Chadwick, David H., and Kirkendall. 3,277,029.
Kirker, Kenneth O., Jr., to United States Rubber Co. Plastic screw conveyor and method of making same. 3,280,963, 10–25–66, Cl. 198—213.
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Carrotte, Frederick H., and Hartley. 3,263,453.
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Kirkpatrick, Donald. Coin stacking and handling device. 3,265,077, 8–9–66, Cl. 133—8.
Kirkpatrick, Edwin C., to Ralston Purina Co. Can dumping and unscrambling apparatus. 3,239,086, 3–8–66, Cl. 214—307.
Kirkpatrick, George M., to United States of America, Army. Automatic gain control ratio circuit. 3,283,323, 11–1–66, Cl. 343—16.
Kirkpatrick, John H., Jr. Harrows. 3,255,831, 6–14–66, Cl. 172—611.
Kirkpatrick, Kenneth L., to Deere & Co. Hitch pole. 3,292,950, 12–20–66, Cl. 280—482.
Kirkpatrick, Kenneth L., and P. R. Ferris, to Deere & Co. Transportable harvester. 3,279,158, 10–18–66, Cl. 56—228.
Kirkpatrick, Morgan: *See*—
Brazil, Jack E., Lintner, and Kirkpatrick. 3,282,580.
Kirkpatrick, Thomas I., to International Business Machines Corp. Delay line controlled pulse generator. 3,265,975, 8–9–66, Cl. 328—63.
Kirkpatrick, Richard W., to United States Steel Corp. Method of preparing molds. 3,263,287, 8–2–66, Cl. 22—192.
Kirkpatrick, Willard H., and V. L. Seale, to Nalco Chemical Co. Surface active agents derived from polycarboxylic acids esterified with oxyalkylated phenolics and polyoxyalkylene glycol. 3,244,770, 4–5–66, Cl. 260—842.
Kirkpatrick, Willard H., and V. L. Seale, to Nalco Chemical Co. Epichlorohydrin polyalkylene polyamine polycondensates. 3,251,882, 5–17–66, Cl. 260—584.
Kirkpatrick, Willard H., and V. L. Seale, to Nalco Chemical Co. Process of breaking reversed emulsions. 3,272,757, 9–13–66, Cl. 252—344.
Kirkpatrick, Willard H. and V. L. Seale, to Nalco Chemical Co. Polyoxyalkylated alkyl phenol-formaldehyde-alkylene polyamine resins. 3,278,637, 10–11–66, Cl. 260—838.
Kirkpatrick, Wylie C.: *See*—
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Ford, James A. 3,247,893.
Ford, James A. 3,273,197.
Ford, James A. 3,289,351.
Kirsch, Jerry. Self-adjusting cushioned vehicle coupler arrangement. 3,237,783, 3–1–66, Cl. 213—48.
Kirsch, Jerry. Cushioned cargo-supporting structure. 3,253,555, 5–31–66, Cl. 105—392.5.
Kirsch, Jerry, and C. V. Stanojevic. Self-adjusting hydropneumatic kinetic energy absorption arrangement. 3,236,512, 2–22–66, Cl. 267—1.
Kirschmann, John D. Applicator for granular material. 3,229,857, 1–18–66, Cl. 222—159.
Kirschmann, John D. Flow regulator for a material distributor. 3,240,401, 3–15–66, Cl. 222—311.

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Kirshner, Howard A., to United States of America, Army. High pressure sparking device. 3,247,796, 4–26–66, Cl. 102—46.
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Kirstein, Thomas C., to North American Aviation, Inc. Pneumatic control system for radar antenna. 3,273,157, 9–13–66, Cl. 343—781.
Kirsten, Frederick A., and B. C. Maglic, to United States of America, Atomic Energy Commission. Acoustic spark chamber. 3,278,892, 10–11–66, Cl. 340—15.
Kirsten, James O. F. Metal shears. 3,274,872, 9–27–66, Cl. 83—162.
Kirsten, Paul, to Industrie-Compagnie Kleinewefers Konstruktions- und Handelsgesellschaft m.b.H. Wood-chipping apparatus for making chips for chip-boards. 3,237,668, 3–1–66, Cl. 144—172.
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Kirtley, Clarence M., and R. J. Eldredge, Jr. Vertical blind apparatus. 3,283,805, 11–8–66, Cl. 160—178.
Kirtley, Clarence M., and R. J. Eldredge, Jr. Clamp and housing apparatus. 3,291,194, 12–13–66, Cl. 160—181.
Kirwan, Harry O., and H. C. Klassen, to Celanese Coatings Co. Modified high purity 2,2-bis(2,3-epoxypropoxyphenyl) propane. 3,265,662, 8–9–66, Cl. 260—47.
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Kiseda, James R., H. E. Petersen, W. C. Seelbach, and M. Teig, to International Business Machines Corp. High-speed magnetic core switching system. 3,278,916, 10–11–66, Cl. 340—174.
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Kish, Arthur S.: *See*—
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Kish, George D., to Dresser Industries, Inc. Pipe coupling having gasket with sectional end. 3,259,406, 7–5–66, Cl. 285—341.
Kish, Michael, Jr., to Atlantic Products Corp. Golf bag cuff. 3,230,992, 1–25–66, Cl. 150—1.5.
Kish, Michael, Jr., to Atlantic Products Corp. Panel structure for soft-sided luggage. 3,266,604, 8–16–66, Cl. 190—41.
Kish, Michael, Jr., to Atlantic Products Corp. Golf bag cuff. 3,283,793, 11–8–66, Cl. 150—1.5.
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Kishikawa, Zitsuichi, and T. Harada, to Nihon Nohyaku Kabushiki Kaisha. Soil disinfectant compositions comprising 2,3-dibromopropionitrile and 1,2,2-trichloro-1-nitroethylene. 3,261,742, 7–19–66, Cl. 167—22.
Kishimoto, Akira. Belt conveyor with motorized pulley. 3,268,066, 8–23–66, Cl. 198—203.
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Kisling, Howard W., ½ to F. T. Finnegan. Cart for mixing bowls. 3,281,103, 10–25–66, Cl. 248—132.
Kisling, James W., III, to Schlumberger Well Surveying Corp. Pressure balanced hydraulic time-delay borehole switch. 3,261,934, 7–19–66, Cl. 200—84.
Kisling, James W., III, to Schlumberger Well Surveying Corp. Well tester. 3,280,917, 10–25–66, Cl. 166—150.
Kisor, Thaddeus W., to Radio Corp. of America. Packaging. 3,256,982, 6–21–66, Cl. 206—56.
Kisovec, Adrian V., to The Boeing Co. Rotor blade mounting construction. 3,282,350, 11–1–66, Cl. 170—160.44.
Kiss, Agoston Z., to Modern Telephones (Great Britain) Ltd. Switching click suppressor circuit. 3,260,855, 7–12–66, Cl. 307—88.5.
Kiss, Joseph, H. Spiegelberg, B. P. Vaterlaus, A. I. Rachlin, and K. Doebel, to Hoffmann-La Roche Inc. 5,5-dilower-alkyl-4-lower alkyl-2,3-cyclocarbonato-L-pyranosyl halides. 3,268,511, 8–23–66, Cl. 260—234.
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Kiss, Pal: *See*—
Harsanyi, Kalman, Kiss, Korbonits, Malyata, Erdeli, Tardos, and Leszkovszky. 3,280,122.
Harsanyi, Kalman, Kiss, Tardos, and Leszkovszky. 3,265,692.
Harsanyi, Kalman, Korbonits, Kiss, Tardos, and Leszkovszky. 3,288,242.
Kiss, Sandor G. Book rest and vanity for bath tubs. 3,239,850, 3–15–66, Cl. 4—185.
Kissa, Erik, to E. I. du Pont de Nemours and Co. Fiber-reactive dyes. 3,290,282, 12–6–66, Cl. 260—146.
Kissam Builders Supply Co.: *See*—
Radford, William E. 3,286,418.
Kissel, Michael S. Aeratable cigarette. 3,283,762, 11–8–66, Cl. 131—10.3.
Kisselmann, Wilhelm: *See*—
Kremp, Rudolf, Kisselmann, Winkler, Engelsmann, Matthess, and Zannoth. 3,266,395.
Kisselmann, Willy (also known as Wilhelm): *See*—
Kremp, Rudolf, Kisselmann, Winkler, and Bammesberger. 3,266,397.
Kisteneich, Heinz: *See*—
Breer, Karl, and Kisteneich. 3,229,962.
Kisteneich, Peter: *See*—
Moroni, Rolf, and Kisteneich. 3,246,059.
Kister, Michel, to Ertma S.A. Device for dispensing documents singly. 3,278,078, 10–11–66, Cl. 221—36.
Kistler Instruments AG., Messers: *See*—
Sonderegger, Hans C. 3,282,083.
Kistler, John E., to Westinghouse Air Brake Co. Conversion brake cylinder. 3,272,088, 9–13–66, Cl. 92—59.
Kistler, Samuel S., and C. V. Rue, to Wakefield Corp. Reinforced snagging wheel. 3,256,644, 6–21–66, Cl. 51—206.
Kistler, William A., Jr., to Hughes Tool Co. Shear relief check valve for flushing passageways of earth penetrating tools. 3,261,413, 7–19–66, Cl. 175—317.
Kistner, Oscar J., to The Mead Corp. Self-locking container. 3,261,537, 7–19–66, Cl. 229—40.
Kita, Hideo: *See*—
Masuda, Masaharu, Kita, and Fujita. 3,234,068.
Kita, Hisahiro: *See*—
Arai, Sumio, Funatsu, and Kita. 3,285,973.
Kita, Yasuo, to Shimadzu Seisakusho Ltd. Hydraulic gear motor or hydraulic gear pump. 3,285,188, 11–15–66, Cl. 103—126.
Kitabatake, Michitoshi: *See*—
Oga, Taijiro, Kitabatake, Ogawa, and Kusunoki. 3,285,978.
Kitabayashi, Seiichi. Mounting caps for aerosol dispenser. 3,270,924, 9–6–66, Cl. 222—394.
Kitahama, Kiyoshi and T.; said T. Kitahama assor. to said K. Kitahama. X-ray tubes for microphotography. 3,286,112, 11–15–66, Cl. 313—56.
Kitahama, Tsuruko: *See*—
Kitahama, Kiyoshi and T. 3,286,112.
Kitahara, Kakuo, to Kyowa Hakko Kogyo Co., Ltd. Method for producing lactic acid with Sporolactobacillus. 3,262,862, 7–26–66, Cl. 195—48.
Kitahara, Masao: *See*—
Yanagita, Masaya, Kitahara, and Mitsui. 3,230,248.
Yanagita, Masaya, Mitsui, and Kitahara. 3,253,051.
Kitai, Kiyoshi, to Kabushiki Kaisha Hattori Tokeiten. Lens shutter operating system. 3,232,199, 2–1–66, Cl. 95—63.
Kitai, Kiyoshi, to Kabushiki Kaisha Hattori Tokeiten. Exposure speed regulation system for use in camera. 3,251,288, 5–17–66, Cl. 95—62.
Kitajima, Giichi, and H. Shidara. Projectile apparatus for flying objects. 3,291,047, 12–13–66, Cl. 102—34.1.
Kitajima, Susumu: *See*—
Mihara, Yoshinori, Kitajima, and Abe. 3,232,800.
Kitakis, George: *See*—
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Kitamura, Nobuo, M. Tadama, and Y. Koyama, to Sony Corp. Dipole antenna with movable reflector all supported by coaxial cable. 3,228,031, 1–4–66, Cl. 343—805.
Kitaoka, Atsushi: *See*—
Kobayashi, Yuji, Fukuma, and Yamada. 3,248,753.
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Sugino, Kiichiro, Shirai, and Kitawaki. 3,291,673.
Kitayama, Nobuhiko. Foldable frame structure for film frames or film mounts. 3,292,285, 12–20–66, Cl. 40—64.
Kitasawa, Ryozo, to Nippon Columbia Kabushikikaishi (Nippon Columbia Co. Ltd.). Record player. 3,261,608, 7–19–66, Cl. 274—9.
Kitchen, Alonso G.: *See*—
Hogan, John P., and Kitchen. 3,288,767.
Kitchen, David L., to Chrysler Corp. Simultaneous pedal operated clutch and manually operated transmission. 3,252,550, 5–24–66, Cl. 192—3.5.
Kitchen, John A. Pulse combustion apparatus. 3,267,985, 8–23–66, Cl. 158—4.
Kitchen, Leland G.: *See*—
Harper, Ernest A., and Kitchen. 3,292,846.
Kitchen, Leland G., to Phillips Petroleum Co. Process cycling. 3,257,814, 6–21–66, Cl. 210—303.
Kitchen, Leland G., and J. T. Karbosky, to Phillips Petroleum Co. Fluid control method and apparatus. 3,230,688, 1–25–66, Cl. 55—20.
Kitchener, Charles J. Manually controlled selective delivery conveyor system. 3,268,095, 8–23–66, Cl. 214—11.
Kitchener, Charles J., to United Shoe Machinery Corp. Manually controlled selective delivery conveyor system. 3,268,096, 8–23–66, Cl. 214—11.

Kitchens of Sara Lee, Inc.: *See*—
Rich, Harold M., and Weller. 3,288,278.
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Kitchin, Harry D., to The Marconi Co. Ltd. Transistorized saw-tooth wave generators utilizing direct current negative feedback. 3,278,847, 9–27–66, Cl. 307—88.5.

Kitchin, Harry D., to The Marconi Co. Ltd. Amplitude control circuit for transistor oscillators. 3,292,104, 12–13–66, Cl. 331—109.

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Kitrell, John V., to Lincoln Carriage Corp. Caster-wheel elevator mechanism. 3,289,872, 3–15–66, Cl. 16—18.

Kitrell, John V., to Lincoln Carriage Corp. Wheel chair. 3,264,658, 8–9–66, Cl. 5—81.

Kitrell, John V., and R. B. Wickes, to Lincoln Carriage Corp. Wheel chair. 3,285,619, 11–15–66, Cl. 280—34.

Kitrosser, Samuel, to Itek Corp. Data processing apparatus. 3,293,775, 12–27–66, Cl. 34—156.

Kitselman, Harry L., to Acrometal Products Inc. Filament coiling apparatus and method of driving same. 3,232,552, 2–1–66, Cl. 242—82.

Kitselman, Harry L., to Indiana Steel & Wire Co., Inc. Apparatus for forming filamentary material into an annular bundle. 3,232,553, 2–1–66, Cl. 242—83.

Kitselman, Harry L., to General Cable Corp. Filament-packing apparatus and method. 3,235,202, 2–15–66, Cl. 242—83.

Kitselman, Harry L., to Indiana Steel & Wire Co., Inc. Wire tensioning filament feeding apparatus. 3,241,780, 3–22–66, Cl. 242—47.12.

Kitson, Gerald L.: *See*—
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Kitson, Gerald L. Automatic pit cleaner. 3,240,323, 3–15–66, Cl. 198—224.

Kittel, Erich: *See*—
Dans, Willi, Frey, Kittel, Markert, and Teltschik. 3,242,-225.

Kittel, Hermann. B. Hettich, and H. Moosmueller, to Kienzle Apparate G.m.b.H. Apparatus for positioning a record carrier. 3,266,612, 8–16–66, Cl. 197—127.

Kitterman, Donald M. Food and beverage cooking container and method of using same. 3,293,048, 12–20–66, Cl. 99—171.

Kittlaus, Georg, H. Peters, P. Schaefer, G. Wendt, H. Lay, F. Ambuth, and G. Lange, to Vereinigte Aluminum-Werke Aktiengesellschaft. Apparatus for treating waste gases in aluminum cells. 3,243,364, 3–29–66, Cl. 204—247.

Kittle, Bernard W.: *See*—
Durdin, Augustus C., Kittle, Baits, and Swenski. 3,269,-703.
Durdin, Augustus C., Kittle, Baits, and Swenski. 3,272,-476.
Durdin, Augustus C., Kittle, Baits, and Swenski. 3,280,-556.

Kittler, Milton J., to Holley Carburetor Co. Means for supplying power on demand. 3,248,869, 5–3–66, Cl. 60—19.

Kittler, Milton J., M. F. Sterner, and M. L. Smitley, to Holley Carburetor Co. Carburetor. 3,245,667, 4–12–66, Cl. 261—69.

Kittredge, Gifford, to Unarco Industries, Inc. Conveyor for handling unit loads. 3,289,818, 12–6–66, Cl. 198—190.

Kitty, Fred J.: *See*—
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Kitz, Norbert, to Bell Punch Co. Ltd. Key controlled decimal electronic calculating machine. 3,280,315, 10–18–66, Cl. 235—160.

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Kitze, Theodore J., to Eastman Kodak Co. Photographic silver halide emulsions. 3,241,971, 3–22–66, Cl. 96—107.

Kitzke, Eugene D., and R. W. Schrader, to S. C. Johnson & Son Inc. Aerosol germicidal compositions. 3,282,776, 11–1–66, Cl. 167—39.

Kitzmann, Ronald A., to General Motors Corp. Angular displacement detection apparatus. 3,247,340, 4–19–66, Cl. 200—61.46.

Kiuchi, Jack T.: *See*—
De Vau, Louis P., Fink, and Kiuchi. 3,278,330.

Kiva Corp.: *See*—
Lewis, William R., Farrar, and Lindley. 3,252,517.

Kivela, Stanley E. Primer attachment for intake manifold. 3,259,119, 7–5–66, Cl. 123—187.5.

Kiyonaga, Kazuo: *See*—
Griesmer, Gerard J., and Kiyonaga. 3,226,914.
Griesmer, Gerard J., and Kiyonaga. 3,268,440.

Kizilos, Apostolos P., to Honeywell Inc. Control apparatus. 3,247,341, 4–19–66, Cl. 200—83.

Kizuki, Kiyohiko: *See*—
Kawai, Masayoshi, Kizuki, Hara, Kobayakawa, and Shimizu. 3,282,661.

Kjarval, Gunnar C.: *See*—
Kjarval, Gunnar S. 3,292,781.

Kjarval, Gunnar S., deceased; G. C. Kjarval, executor. Device for sifting and stratifying ores. 3,292,781, 12–20–66, Cl. 209—44.

Kjellman, Thomas K., and F. O. Watson, to The Bendix Corp. Constant actuating force control switch with contact weld breaking means. 3,243,548, 3–29–66, Cl. 200—113.

Kjellstrom, Axel B. Methods and arrangements to influence and control charges. 3,256,467, 6–14–66, Cl. 317—200.

Kjonaas, Manley: *See*—
Eickemeyer, Daniel B., Chao, and, Kjonaas. 3,256,196.

Kjos, Magne J., to Burroughs Corp. Tape reel. 3,249,314, 5–3–66, Cl. 242—68.3.

Klaassen, William P., to Teer, Wickwire & Co. Linear gauge. 3,278,249, 9–20–66, Cl. 33—172.

Klaben, Daniel J., and W. T. Osborne, to Carrier Corp. Refrigeration system lubrication. 3,250,082, 5–10–66, Cl. 62—84.

Klach, Stanley J., and R. A. Keeler, to Vitro Corp. of America. Fabrication of a miniature capacitor. 3,232,856, 2–1–66, Cl. 204—181.

Klaczko-Rundzinum, Salomon: *See*—
Czok, Erhard, and Klaczko-Ryndzium. 3,278,755.

Klager, Karl, R. D. Geckler, and R. L. Parrette, to Aerojet-General Corp. Solid propellant compositions containing polyurethane resins of low cure temperature. 3,245,849, 4–12–66, Cl. 149—19.

Klahr, Carl N. Fabrication of semiconductor devices by transmutation doping. 3,255,050, 6–7–66, Cl. 148—1.5.

Klahr, Carl N. Method of flux separation in nuclear reactors and structure therefor. 3,255,083, 6–7–66, Cl. 176—17.

Klahr, Carl N. Dustwall shielding. 3,292,044, 12–13–66, Cl. 317—3.

Klamath-Ward, Inc.: *See*—
Beeley, Howard K. 3,275,045.

Klamp, Paul: *See*—
Bishop, Leonard J., and Klamp. 3,269,520.

Klamp, William, to Cleveland-Detroit Corp. Door operator. 3,240,484, 3–15–66, Cl. 268—59.

Klancke, John H.: *See*—
Kerl, Alfred A., and Klancke. 3,229,069.

Klancke, John H., and S. B. Lindsey, to Phillips Mfg. Co., Inc. Core plug heater. 3,280,298, 10–18–66, Cl. 219—208.

Klancnik, Adolph V. Step by step feed means with a dashpot. 3,286,555, 11–22–66, Cl. 77—32.3.

Klancnik, Adolph V. Vibratory hopper with attached article guide means positionable adjacent a vertical magazine means. 3,289,884, 12–6–66, Cl. 221—178.

Klang, Leon E., and R. R. Twitchell. Wire-twisting hand tool. 3,270,782, 9–6–66, Cl. 140—123.

Klang, Marcel: *See*—
Matasa, Claudius G., Drimus, and Klang. 3,285,712.

Klang, William. Toothbrush. 3,261,047, 7–19–66, Cl. 15—22.

Klank, Walter C., Jr.: *See*—
Kimm, Ewald J., Preston, and Klank. 3,240,264.

Klann, Paul A. Key action for organs including modular rotary wiping contact switch. 3,247,351, 4–19–66, Cl. 200—164.

Klann, Paul A. String actuated combination action. 3,270,-609, 9–6–66, Cl. 84—370.

Klasek, Frank A., to Western Electric Co., Inc. Test probe for detecting misalignment of metal workpieces. 3,284,910, 11–15–66, Cl. 33—180.

Klasens, Hendrik A., to North American Philips Co., Inc. Rectifier circuit for use in wide range temperature environments. 3,278,828, 10–11–66, Cl. 321—46.

Klass, Donald L.: *See*—
Haines, Robert M., Klass, and Martinek. 3,270,672.
Martinek, Thomas W., and Klass. 3,240,295.
Martinek, Thomas W., and Klass. 3,250,726.

Klass, Donald L., to The Union Oil Co. of California. Apparatus and method of varying bulk modulus of electroviscous fluid. 3,239,041, 3–8–66, Cl. 192—21.5.

Klass, Donald L., to Union Oil Co. of California. Process for simultaneous production of carbonyl compounds and electrical energy. 3,245,890, 4–12–66, Cl. 204—79.

Klass, Donald L., and L. E. Hutchings, to Union Oil Co. of California. Method of generating electricity using a polyhydric phenol-oxygen fuel cell. 3,238,066, 3–1–66, Cl. 136—86.

Klass, Donald L., J. B. Braunwarth, and C. Rai, to Union Oil Co. of California. Ultraviolet absorbing composition. 3,242,807, 3–29–66, Cl. 88—106.

Klass, Donald L., and T. W. Martinek, to Union Oil Co. of California. Process of preparing alkali metal isethionates. 3,243,454, 3–29–66, Cl. 260—513.

Klass, Donald L., and T. W. Martinek, to Union Oil Co. of California. Electro-viscous fluid chuck. 3,253,200, 5–24–66, Cl. 317—262.

Klass, Donald L., and T. W. Martinek, to Union Oil Co. Electro fluid clutch responsive to electrophoretic principles. 3,255,853, 6–14–66, Cl. 192—21.5.

Klass, Donald L., and V. Broszowski, to The Union Oil Co. of California. Preparation of sulfato-betaine-type compounds. 3,274,204, 9–20–66, Cl. 260—294.8.

Klass, Donald L., T. W. Martinek, R. M. Haines, and R. B. McEuen, to Union Oil Co. of California. Apparatus for determining and controlling flow rate. 3,279,496, 10–18–66, Cl. 137—487.5.

Klass, Donald L., R. M. Haines, R. B. McEuen, and T. W. Martinek, to Union Oil Co. of California. Shear responsive liquid generator. 3,289,017, 11–29–66, Cl. 310—2.

Klass, Donald L., and T. W. Martinek, to Union Oil Co. of California. Fluid flow control apparatus. 3,291,155, 12–13–66, Cl. 138—46.

Klassen, Edward J. Stack chair. Re. 25,985, 3–22–66, Cl. 297—239.

Klassen, Edward J. Roll-on cosmetic applicator. 3,235,900, 2–22–66, Cl. 15—558.

Klassen, Edward J. Stack chair. 3,246,927, 4–19–66, Cl. 297—239.

Klassen, Harold C.: *See*—
Kirwan, Harry O., and Klassen. 3,265,662.

Klassen, John. Carrier for invalids. 3,272,530, 9–13–66, Cl. 280—79.2.

Klassen, Stephen L., to Thermo Electric Co., Inc. Plug-jack connector. 3,273,105, 9–13–66, Cl. 339—176.

Klassert, Aloys, and T. Helfrich, to W. Ullrich. Apparatus for inserting hair into work pieces. 3,276,407, 10–4–66, Cl. 112—79.5.

Klasson, George A., J. W. Mills, and R. F. Thomas, to Air Products and Chemicals, Inc. Welding torch. 3,288,350, 3–1–66, Cl. 219—75.

Klasson, George A., and J. W. Mills, to Air Products and Chemical, Inc. Regulator and dispensing system. 3,259,-274, 7–5–66, Cl. 222—48.

Klatt, Henry G., Jr. Allen wrench device. 3,289,503, 12–6–66, Cl. 81—71.

Klatt, John O.: *See*—
Cunningham, Fred A., Klatt, Pinson, and Brown. 3,294,-545.

Klauder Weldon Giles Machine Co., Inc.: *See*—
Bell, Robert M., and Horswood. 3,269,152.

Klaue, Hermann. Axially spreading type disk brake. 3,240,-292, 3–15–66, Cl. 188—72.

Klaue, Hermann. Disk brake. 3,289,795, 12–6–66, Cl. 188—72.

Klaui, Heinrich, to Hoffmann-La Roche Inc. Stable fat-soluble vitamin-containing compositions. 3,252,864, 5–24–66, Cl. 167—81.

Klaui, Heinrich, to Hoffmann-La Roche Inc. Stabilized fat-soluble vitamin compositions. 3,252,865, 5–24–66, Cl. 167—81.

Klaui, Heinrich, S. F. Schaeren, and W. Schlegel, to Hoffmann-La Roche, Inc. 6-O-higher alkenoyl-ascorbic acid esters and their preparation. 3,250,790, 5–10–66, Cl. 260—343.7.

Klauke, Erich: *See*—
Bunge, Wilhelm, Bayer, Klauke, and Hertlein. 3,242,107.
Kühle, Engelbert, Klauke, Frohberger, and Crewe. 3,256,084.
Kühle, Engelbert, Klauke, Grewe, and Kaspers. 3,249,620.
Kühle, Engelbert, Klause, and Unterstenhofer. 3,251,-850.
Mals, Hugo, Kukenthal, Behrenz, Klauke, and Kuhle. 3,270,095.
Scheinpflug, Hans, Jung, Klauke, and Kuhle. 3,242,045.

Klauke, Erich, and E. Kühle, to Farbenfabriken Bayer Aktiengesellschaft. N-trifluoromethylated sulphenamides and process for the production thereof. 3,236,842, 2–22–66, Cl. 260—247.1.

Klauke, Erich, and O. Bayer, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of organic isocyanates from hydrazobenzenes. 3,253,010, 5–24–66, Cl. 260—453.

Klauke, Erich, E. Kuhle, F. Crewe, H. Kaspers, and R. Wegler, to Farbenfabriken Bayer Aktiengesellschaft. Fungicidal compounds containing the $NSCFCl_2$-groups. 3,285,929, 11–15–66, Cl. 260—301.

Klaus, Frederick C., and J. C. Medley, to Caterpillar Tractor Co. Brake cooling system. 3,259,216, 7–5–66, Cl. 188—264.

Klaus, Frederick C., and J. C. Medley, to Caterpillar Tractor Co. Hydraulic brake and steering system for vehicles. 3,278,239, 10–11–66, Cl. 303—6.

Klaus Nimtz: *See*—
Franzen, Gustav, and Stenmans. 3,286,948.

Klavehn, Wilfrid, and H. Kraft, to Knoll A.-G. Bicyclically substituted amino-alkanes. 3,282,937, 11–1–66, Cl. 260—247.

Klaver, Rudolf F., and K. W. Gardiner, to Chevron Research Co. Automatic integrator for chromatograph records. 3,259,733, 7–5–66, Cl. 235—61.6.

Klaverkamp, Bernard J.: *See*—
Hildebrandt, Raymond K., Shissler, Hammon, and Klaverkamp. 3,229,493.

Klavins, Vilis A. Portable table with auxiliary supports. 3,255,719, 6–14–66, Cl. 108—25.

Klavir, Samuel N., 50% to R. Seymour. Coupling for angularly disposed shafts. 3,285,080, 11–15–66, Cl. 74—66.

Klavitter, Ernest L., to King-Seeley Thermos Co. Voltage regulator. 3,252,075, 5–17–66, Cl. 322—28.

Klavsons, Uldis, and J. E. Kennedy, to Xerox Corp. Electrical recording pen. 3,289,211, 11–29–66, Cl. 346—140.

Klebba, Arthur A., to United Aircraft Corp. Pattern scanning system. 3,257,555, 6–21–66, Cl. 250—49.5.

Kleckner, Loyal W. Jet reaction turbine. 3,282,560, 11–1–66, Cl. 253—39.

Kleckner, Richard M., to Deere & Co. Hydraulic control system. 3,274,902, 9–27–66, Cl. 91—420.

Klee, Gerhard, to Samson Apparatebau Aktiengesellschaft. Flow meter. 3,241,364, 3–22–66, Cl. 73—205.

Kleeberger, Rudolf, to Kugelfischer Georg Schafer & Co. Device for controlling the amount of fuel injected into an internal combustion engine as a function of engine speed. 3,230,946, 1–25–66, Cl. 123—140.

Kleeberger, Rudolf, to Kugelfischer Georg Schafer & Co. Fly weight governor, particularly for fuel injection-type internal combustion engines. 3,269,193, 8–30–66, Cl. 73—526.

Kleemann, Alois: *See*—
Margot, Alfred, and Kleemann. 3,228,832.

Kleer-Vu Industries, Inc.: *See*—
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Osher, Benjamin B. 3,286,383.
Osher, Benjamin B. 3,291,669.
Osher, Benjamin, and Leisey. 3,241,588.

Klees, George N., W. A. Bement, and R. W. Harper, to North American Aviation, Inc. Overload protection for D.C. power supply with load current interrupted upon overload conditions. 3,234,453, 2–8–66, Cl. 323—22.

Klehm, William G., Jr., to Burroughs Corp. Circuit module. 3,242,384, 3–22–66, Cl. 317—101.

Kleiman, Morton, to Velsicol Chemical Corp. 5,6,7,8,9,9-hexachloro-1,2,3,4,4a,5,8,8a-octahydro - 1,4,5,8 - dimethanonaphthalene-2,3-dicarboxylic acid and 5,6,7,8,9,9-hexachloro-1,2,3,4,4a,5,8,8a-octahydro. 3,288,813, 11–29–66, Cl. 260—346.3.

Klein, Albert J., to American Can Co. Method of treating metal. 3,247,946, 4–26–66, Cl. 148—12.3.

Klein, Albert J., to American Can Co. Method of tempering continuously annealed metal sheet. 3,260,623, 7–12–66, Cl. 148—12.

Klein, Alexander, to Chemically Prestressed Concrete Corp. Expansive and shrinkage-compensated cements. 3,251,701, 5–17–66, Cl. 106—89.

Klein, Alexander. High-alumina cement. 3,257,219, 6–21–66, Cl. 106—104.

Klein, Alfred, to Chemagnetics Controls, Inc. Apparatus for the chlorination of water. 3,274,094, 9–20–66, Cl. 204—275.

Klein, Alfred. Hybrid hypergolic rocket propellant systems and method. 3,287,911, 11–29–66, Cl. 60—220.

Klein, Anne. Rain cape. 3,258,781, 7–5–66, Cl. 2—88.

Klein, Arthur O., and J. D. Smith, to Ronson Corp. Burner-inlet valve for gas lighters. 3,277,674, 10–11–66, Cl. 67—7.1.

Klein, Charles: *See*—
Pessahovitz, Zevoulun, Harel, and Klein. 3,238,015.

Klein, Charles C.: *See*—
Harel, Simha, Stern, and Klein. 3,290,114.

Klein, Charles (Haim): *See*—
Harel, Simcha, Pessahovitz, Klein, and Peskin. 3,257,-166.

Klein, David X., and T. A. Girard, to Tenneco Chemicals, Inc. Herbicidal method. 3,236,623, 2–22–66, Cl. 71—2.6.

Klein, David X., and T. A. Girard, to Tenneco Chemicals, Inc. Method of inhibiting plant growth. 3,236,625, 2–22–66, Cl. 71—2.6.

Klein, David X., and T. A. Girard, to Tenneco Chemicals, Inc. Herbicidal composition and method. 3,253,903, 5–31–66, Cl. 71—2.6.

Klein, David X., and T. A. Girard, to Tenneco Chemicals, Inc. Alkyldichlorobenzoic acids. 3,282,991, 11–1–66, Cl. 260—501.

Klein, Dietrich J., to Stromberg-Carlson Corp. Three position status indicator. 3,258,763, 6–28–66, Cl. 340—332.

Klein, Elias, and K. O. R. Gebhard, to South African Iron and Steel Industrial Corp. Ltd. Refining of iron. 3,248,211, 4–26–66, Cl. 75—60.

Klein, Erich: *See*—
Ohloff, Günther, Klein, and Schade. 3,240,821.
Ohloff, Günther, Klein, and Schade. 3,252,993.

Klein, Ernst: *See*—
Hein, Ewald, Klein, and Kramer. 3,265,187.

Klein, Gerrit, to North American Philips Co. Inc. Periodic signal apparatus. 3,237,113, 2–22–66, Cl. 328—142.

Klein, Hans-Christof, to Alfred Teves KG. Aerodynamic valves and apparatus incorporating same. 3,258,919, 7–5–66, Cl. 60—39.77.

Klein, Hans-Christof, to Alfred Teves Maschinen- und Armaturenfabrik Kommandit-Gesellschaft. Prime-mover system. 3,274,768, 9–27–66, Cl. 60—19.

Klein, Hans-Christof, to Alfred Teves Kommanditgesellschaft. Flow regulator for fluid systems. 3,274,779, 9–27–66, Cl. 60—53.

Klein, Hans-Christof, L. Budecker, and S. Hertell, to Alfred Teves, K.G. Hydraulic-machine system with idling mode. 3,230,715, 1–25–66, Cl. 60—53.

Klein, Harold T.: *See*—
Miller, Edward D., Klein, and Anderson. 3,289,868.

Klein, Harvey S.: *See*—
Rust, Frederick F., and Klein. 3,239,553.
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Klein, Harvey S., and F. F. Rust, to Shell Oil Co. Process for the production of gamma-halonitriles by the 1,2 addition of alpha-halonitrides to activated olefins. 3,265,725, 8–9–66, Cl. 260—465.4.

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Klein, Heinz-Günter, and E. Zirngiebl, to Farbenfabriken Bayer Aktiengesellschaft. Process for improving the corrosion resistance of Ni-Co-metal coatings containing boron. 3,247,-028, 4–19–66, Cl. 148—6.16.

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Klein, Isabel M., and L. W. Tyran, to E. I. du Pont de Nemours and Co. Adhesive compositions comprising ethylene vinyl acetate, chlorinated paraffin, and rosin. 3,232,895, 2–1–66, Cl. 260—27.

Klein, James H., and F. I. Tallentire, to Frost Engineering Development Corp. Balling gun. 3,238,941, 3–8–66, Cl. 128—264.

Klein, Jeshayahu. Portable viewer for micro-film. 3,280,491, 10–25–66, Cl. 40—93.

Klein, Karl, and F.-J. Platte, to Beteiligungs- und Patentverwaltungsgesellschaft mit beschränkter Haftung. Excavating machine. 3,249,168, 5–3–66, Cl. 180—8.

Klein, Karl J.: *See*—
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Owen, Henry E. S., and Klein. 3,260,825.
Klein, Keith W., to General Electric Co. Circuit breaker and accessory device combination. 3,256,407, 6–14–66, Cl. 200—116.
Klein, Keith W., to General Electric Co. Electric circuit-breaker provided with an improved terminal strap for mounting a bimetal element. 3,265,837, 8–9–66, Cl. 200—116.
Klein, Keith W., to General Electric Co. Circuit breaker with ambient-temperature compensating means. 3,278,707, 10–11–66, Cl. 200—116.
Klein, Keith W., to General Electric Co. Multiple circuit breaker assembly with common tripping. 3,288,965, 11–29–66, Cl. 200—116.
Klein, Keith W., and D. B. Powell, to General Electric Co. Circuit-breaker with removable trip unit having improved mounting means for terminal strap and thermal responsive means. 3,264,435, 8–2–66, Cl. 200—116.
Klein, Lewis D. Stair structure. 3,257,761, 6–28–66, Cl. 52—126.
Klein, Ludwig. Load-retaining rack for open body truck. 3,229,994. 1–18–66, Cl. 280—179.
Klein, Martin L.: *See*—
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Klein, Martin L., H. C. Morgan, and R. B. Rush, to North American Aviation, Inc. High speed data conversion and handling. 3,293,608, 12–20–66, Cl. 340—172.5.
Klein, Max, to Max Klein, Inc. Method of reproducing a textured surface painting. 3,287,193, 11–22–66, Cl. 156—59.
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Klein, Max S., to Max Klein, Inc. Plastic basket construction. 3,231,128, 1–25–66, Cl. 220—63.
Klein, Melvin, to International Business Machines Corp. Semiconductor signal-translating device. 3,241,012, 3–15–66, Cl. 317—235.
Klein, Melvin, to International Business Machines Corp. Light-emitting transistor system. 3,283,207, 11–1–66, Cl. 315—326.
Klein, Milton: *See*—
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Klein, Norman E., and R. W. McCullough, to Deering Milliken Research Corp. Automatic loom shuttle. 3,237,653, 3–1–66, Cl. 139—125.
Klein, Otto C., to American Zinc, Lead and Smelting Co. Method of making conductive zinc oxide. 3,264,229, 8–2–66, Cl. 252—518.
Klein, Richard J., to Acme Electric Corp. Regulator circuit. 3,263,157, 7–26–66, Cl. 323—22.
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Domm, Ulrich, Foller, and Egelhofer. 3,286,926.
Klein, Seymour, to Radio Corp. of America. Tape handling apparatus. 3,236,429, 2–22–66, Cl. 226—42.
Klein, Seymour, to Radio Corp. of America. Character recognition system including circuits for locating characters and circuits for discriminating against noise. 3,274,550, 9–20–66, Cl. 340—146.3.
Klein, Seymour, and J. P. Beltz, to Radio Corp. of America. Character recognition system utilizing asynchronous zoning of characters. 3,293,604, 12–20–66, Cl. 340—146.3.
Klein, Siegfried, to Commissariat a l'Energie Atomique. Apparatus for converting thermal energy into electric energy. 3,234,411, 2–8–66, Cl. 310—4.
Klein, Siegfried, M. Surdin, and J. Weill, to Commissariat a l'Energie Atomique. Static converters of thermal energy, in particular of nuclear origin, into electric energy. 3,277,321, 10–4–66, Cl. 310—4.
Klein, Walter, to Beckman Instruments, Inc. Large capacity sequential buffer. 3,235,849, 2–15–66, Cl. 340—172.5.
Klein, Walter, and R. J. Grady, to Beckman Instruments, Inc. Data processing system with autonomous input-output control. 3,283,308, 11–1–66, Cl. 340—172.5.
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Kleinbard, Myron A., and L. B. Benson. Swimming pool cover assembly. 3,277,498, 10–11–66, Cl. 4—172.
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Kleinekathofer, Felix. Process for the manufacture of ropes from plastic hose. 3,287,893, 11–29–66, Cl. 57—157.
Kleiner, Charles T., to North American Aviation, Inc. Power supply with short circuit protection. 3,230,440, 1–18–66, Cl. 321—11.
Kleiner, Charles T., to North American Aviation, Inc. Regulated inverter circuit. 3,260,919, 7–12–66, Cl. 321—18.
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Kleinert, Theodor N. Process for production of alkali cellulose in the absence of an aqueous liquid phase. 3,255,071, 6–7–66, Cl. 162—82.
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Kleinman, Jacob L. Shaving head having interlocking means for the outer shearing member. 3,226,824, 1–4–66, Cl. 30—43.92.
Kleinman, Jacob L. Adjustable scale washing machine structure. 3,248,911, 5–3–66, Cl. 68—13.
Kleinschmidt, Edward F., H. A. Anderson, and J. F. Chinlund, to SCM Corp. Spring and shock absorber structure. 3,232,596, 2–1–66, Cl. 267—1.
Kleinschmidt, Edward F., H. A. Anderson, and C. H. Clark, to SCM Corp. Coincidence detection apparatus. 3,264,409, 8–2–66, Cl. 178—17.
Kleinschmidt, Edward F., J. W. Ehrlich, and E. E. Podwojski, to SCM Corp. Magnetic tape transducer apparatus. 3,281,803, 10–25–66, Cl. 340—174.1.
Kleinschmidt, Edward F. and S. E., to SCM Corp. Typewriter having typelevers mounted on a rotating member. 3,289,805, 12–6–66, Cl. 197—18.
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Kleist, Leroy C., to The Magnavox Co. Film cutter with photocell inspection and stop means. 3,270,599, 9–6–66, Cl. 83—63.

Kleist, Leroy C., and G. L. Buenger, to The Magnavox Co. Information storage and reproducing system. 3,262,355, 7–26–66, Cl. 88—24.
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Klemm, Richard W. Wheeled laundry receptacle. 3,252,712, 5–24–66, Cl. 280—79.2.
Klemm, Richard W. Self-unloading hook. 3,259,420, 7–5–66, Cl. 294—83.
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Klemm, Willim F., deceased, by J. F. Langs, administrator. Long travel linearly reciprocating electric motor. 3,293,515, 12–20–66, Cl. 318—37.
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Klenk, Karl J. Clinching punch. 3,261,073, 7–19–66, Cl. 29—21.1.
Klenk, Karl J. Hand punch for cutting sheet material on various curves and straight lines. 3,261,096, 7–19–66, Cl. 30—242.
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Klettke, Ernst, to Telefunken Patentverwertungs-G.m.b.H. Automatic fine tuning circuit using capacitance diodes. 3,233,179, 2–1–66, Cl. 325—469.
Kletzker, Wallace J. Process of making die cutting plates. 3,283,617, 11–8–66, Cl. 76—107.
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Kliewer, George G., to Commodity Marketers, Inc. Thermally responsive signaling device. 3,280,629, 10–25–66, Cl. 73—358.
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Klimstra, Paul D., and R. E. Counsell, to G. D. Searle & Co. Optionally N-substituted-17-oxygenated-2-amino-5α-androstan-3-ols. 3,238,194, 3–1–66, Cl. 260—239.5.
Klimstra, Paul D., and R. E. Counsell, to G. D. Searle & Co. Optionally 17-alkylated 2-methylene-5α-androstane-3β,17β-diols and esters thereof. 3,238,233, 3–1–66, Cl. 260—397.5.
Klimstra, Paul D., and R. E. Counsell, to G. D. Searle & Co. 17-oxygenated 2α,3α-epoxy-2β-formyl-5α-androstanes and intermediates thereto. 3,290,295, 12–6–66, Cl. 260—239.55.
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Kling, Hans, to Ford Motor Co. Heater device for motor vehicle carburetors. 3,246,841, 4–19–66, Cl. 237—12.3.

Kling, Nelson G. Sample supply means for analysis apparatus. 3,252,330, 5–24–66, Cl. 73—423.

Kling, Nelson G., to Technicon Chromstograph Corp. Pump. 3,288,079, 11–29–66, Cl. 103—153.

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Klingaman, Dean C., and A. C. La Grow, to Caterpillar Tractor Co. Rock wagon. 3,271,078, 9–6–66, Cl. 298—25.

Klingaman, Harold W. Refrigerator safety device. 3,256,841, 6–21–66, Cl. 109—63.5.

Klingberg, Arthur F., to Beco Products Corp. Holder for supporting flowers and the like. 3,245,175, 4–12–66, Cl. 47—41.13.

Klingberg, Arthur T., to Motorola, Inc. System to extend the control range of phase locked oscillators. 3,241,084, 3–15–66, Cl. 331—111.

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Klingel, Hans, to Karl Huller G.m.b.H. Adjusting device for tool carriers. 3,285,101, 11–15–66, Cl. 77—3.

Klingel, John B., to Struthers Scientific and International Corp. Method of autoclaving concrete blocks. 3,275,724, 9–27–66, Cl. 264—82.

Klingele, Ernst, W. Jungermann, R. Niemann, and L. Vorgrimler, to Mauser-Werke. Messrs., Aktiengesellschaft. Ammunition testing apparatus. 3,242,727, 3–29–66, Cl. 73—167.

Klingenberg, Hans U. Watchcase. 3,292,362, 12–20–66, Cl. 58—91.

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Klinger, Guy G., G. R. Hoffmaster, C. J. Boyer, and J. N. Simpson, to The Electric Storage Battery Co. Lens clamping assembly for gas masks. 3,259,127, 7–5–66, Cl. 128—141.

Klinger, Guy G., and C. J. Boyer, to The Electric Storage Battery Co. Pocket respirator. 3,266,490, 8–16–66, Cl. 128—147.

Klinger, Guy G., and G. R. Hoffmaster, to The Electric Storage Battery Co. Spectacle mounting for full face mask. 3,288,547, 11–29–66, Cl. 351—155.

Klinger, Karl H., and A. von Schlichtegroll, to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. Theophylline derivatives. 3,245,994, 4–12–66, Cl. 260—256.

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Mattingly, Denis A. E. 3,233,303.
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Klingler, Karl A. 3,255,895.

Klingler, Hughlin E. Temperature mixing and diverting valve for domestic plumbing fixtures. Re. 25,954, 2–22–66, Cl. 137—625.17.

Klingler, Karl A., to Klingler Development Co., Inc. Signature stacking mechanism for package delivery. 3,255,895, 6–14–66, Cl. 214—6.

Klingler, Karl A., and K. E. Swanson, to R. R. Donnelley & Sons Co. Apparatus for feeding packs of sheets. 3,292,820, 12–20–66, Cl. 221—293.

Klingler, Martin L., to AMP Inc. Crimping tool with strip feed mechanism. 3,230,758, 1–25–66, Cl. 72—410.

Klingler, Willi, and H. Wolf, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of pure concentrated sulfuric acid. 3,232,705, 2–1–66, Cl. 23—167.

Klinguer, Wolfgang, and W. König, to Olympia Werke AG. Apparatus for adjusting the impact forces of types. 3,250,365, 5–10–66, Cl. 197—17.

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Klink, Jerome P.: *See*—
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Smith, Roy E., and Klink. 3,292,871.

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Klipping, Gustav, D. Vetterkind, and G. Walentowitz, to Max-Planck-Gesellschaft. Control arrangement. 3,282,063, 11–1–66, Cl. 62—45.

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Klogether, Martha I., and W. B. Templeton. Mattress protector assembly. 3,286,284, 11–22–66, Cl. 5—335.

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Klootwijk, Arie, to Shell Oil Co. Process for polymerization of lactides. 3,268,487, 8–23–66, Cl. 260—78.3.

Klootwijk, Arie, and R. W. F. Krepe, to Shell Oil Co. Two-step process for preparing alkyd resins having improved physical properties. 3,268,483, 8–23–66, Cl. 260—75.

Kloos, Paul W., to Veeder-Root, Inc. Workloading apparatus for positioning elongated headed articles. 3,244,295, 4–5–66, Cl. 214—1.

Kloos, Paul W., E. A. Kelly, and V. A. Stifano, Jr., to Veeder-Root Inc. Transfer mechanism. 3,247,532, 4–26–66, Cl. 10—2.

Kloos, Paul W., and H. G. Muenchinger, to Veeder-Root, Inc. Self-locking set screw. 3,286,754, 11–22–66, Cl. 151—37.

Klopf, Adam F. Method of pelleting pentachlorophenol. 3,231,640, 1–25–66, Cl. 264—13.

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Klopp, Edward M., S. Senderoff, and R. E. Hansen, to Union Carbide Corp. Cathode-depolarizers for high temperature electro-chemical devices. 3,258,365, 6–28–66, Cl. 136—94.

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Klose, Hans-Peter. Multi-purpose boat. 3,291,088, 12–13–66, Cl. 114—39.

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Klug, Eugene D., to Hercules Inc. Hydroxypropyl cellulose and process. 3,278,521, 10–11–66, Cl. 260—231.

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Klumpp, Ferdinand, Jr., to Heyman Mfg. Co. Grounding pin. 3,275,423, 9–27–66, Cl. 29—183.

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Klüver, Johan W., to Bell Telephone Laboratories, Inc. Electron gun for reducing trochoidal motion of electrons. 3,259,789, 7–5–66, Cl. 315—3.5.

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Knapp, Gordon G., to Ethyl Corp. Organic substrates containing sulfurized piperazine stabilizing derivatives. 3,281,360, 10–25–66, Cl. 252—47.5.

Knapp, Gordon G., and C. J. Worrel, to Ethyl Corp. Stabilized plastic. 3,244,668, 4–5–66, Cl. 260—45.85.

Knapp, Gordon G., and C. J. Worrel, to Ethyl Corp. Polypropylene containing ethyl 3,5-di-tert-butyl-4-hydroxy-α-cyanocinnamate. 3,280,069, 10–18–66, Cl. 260—45.85.

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Knight, Warner P. System and method for running and hanging tubing in a well. 3,248,130, 4–26–66, Cl. 285—27.

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Knopf, Robert J., and T. K. Brotherton, to Union Carbide Corp. Polyhalogenated phenyl-diamino phenyl-ethers, sulfides, and selenides. 3,284,502, 11–8–66, Cl. 260—571.

Knorr, Fritz, and H. Spes, to Wacker-Chemie G.m.b.H. Production of acrylic acid esters. 3,227,746, 1–4–66, Cl. 260—486.

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Knowles, Douglas W., to Canadian General Electric Co., Ltd. Water extracting device for paper machines. 3,239,410, 3–8–66, Cl. 162—352.

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Knox, Lawrence H., to Syntex Corp. 17α-fluoro-17β-chlorofluoroacetoxy and 17β-methyl-5,10-methylene and 5,10-seco-5,19-cyclo-10β-fluoro androstane derivatives. 3,257,426, 6–21–66, Cl. 260—397.3.

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Koehl, William J., Jr., to Socony Mobil Oil Co., Inc. Electrochemical preparation of acyloxy derivatives of condensed ring aromatic compounds. 3,252,877, 5–24–66, Cl. 204—59.
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Kolze, Lawrence A., to The Dole Valve Co. Rotary shear valve with remote control. 3,275,237, 9–27–66, Cl. 236—51.

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Komarek, Ernst, G. Mauthe, and B. Zinz, to Farbenfabriken Bayer Aktiengesellschaft. Dry chrome pretannage and dry syntan or vegetable tannage. 3,254,937, 6–7–66, Cl. 8—94.26.

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Komarmy, Julius M., K. Schwartswalder, and G. E. Suchy, to General Motors Corp. Nodular filter mass of predetermined volume. 3,283,908, 11–8–66, Cl. 210—266.

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Komenda, Erwin, to Dr. Ing. h.c. F. Porsche KG., Firma. Vehicle heating system. 3,278,121, 10–11–66, Cl. 237—12.3.

Komenda, Erwin, to Dr. Ing. h.c. F. Porsche K.G., Firma. Instrument panel for vehicles. 3,282,622, 11–1–66. Cl. 296—70.

Komenda, Erwin, to Dr. Ing. h.c. F. Porsche, K.G. Self-supporting vehicle body. 3,285,653, 11–15–66, Cl. 296—28.

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Komeno, Taichiro, to Shionogi & Co., Ltd. 17α-oxygenated 2,3-epithio-5α-pregnanes and production thereof. 3,290,294, 12–6–66, Cl. 260—239.5.

Komhyr, Walter D. Rectangular-piston pump. 3,242,869, 3–29–66, Cl. 103—150.

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Konopa, Richard L., to General Motors Corp. Semiconductor internal combustion engine ignition system. 3,253,163, 5–24–66, Cl. 307—88.5.

Konopa, Richard L., to General Motors Corp. Semiconductor ignition system. 3,253,164, 5–24–66, Cl. 307—88.5.

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Konrad, Marcel. Overwind prevention device for a self-winding watch. 3,264,819, 8–9–66. Cl. 58—83.

Konrad, Otto, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Plate-type heat exchanger utilizing movable plate. 3,259,183, 7–5–66, Cl. 165—166.

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Konzak, Peter A. Means and methods of erecting storage bins. 3,237,295, 3–1–66, Cl. 29—429.

Konzak, Peter A. Flow regulator for flexible tubes. 3,289,999, 12–6–66, Cl. 251—6.

Koo, John, to Geigy Chemical Corp. Certain 1,3-benzoxazinone derivatives. 3,257,396, 6–21–66, Cl. 260—244.

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Koochembere, Chris T., to United States of America, Navy. Rocket propulsion system for ejection seats. 3,285,548, 11–15–66. Cl. 244—122.

Kooi, Earl R., R. L. Bruner, and T. H. Newkirk, to Corn Products Co. Process for converting amylaceous materials to dextrose. 3,264,193, 8–2–66, Cl. 195—31.

Kooi, Else, to North American Philips Co., Inc. Zener diode. 3,252,062, 5–17–66, Cl. 317—235.

Kooi, Else, and A. Schmitz, to North American Philips Co., Inc. Method of providing alloy contacts on semi-conductor bodies. 3,280,609, 1–25–66, Cl. 29—155.5.

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Kooistra, John A., Jr., to The Procter & Gamble Co. Low moisture content pastry dough compositions. 3,294,547, 12–27–66, Cl. 99—92.

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Koon, Archie W., to Columbian Rope Co. Multiple conductor cable with tubular foam filler insulation. 3,288,916, 11–29–66, Cl. 174—116.

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Koonts, Wilbert A., to Miliprint, Inc. Transparency holder. 3,281,977, 11–1–66, Cl. 40—158.

Koonz, Carl H., and R. A. Greenberg, to Swift & Co. Process of preparing and feeding a feed containing B. thuringiensis. 3,285,748, 11–15–66, Cl. 99—2.

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Koopman, Kenneth H., to Union Carbide and Carbon Corp. Carbon steel oxy-inert monatomic gas-shielded metal-arc welding. 3,231,712, 1–25–66, Cl. 219—145.

Koopman, Peter, to General Abrasive Co., Inc. Coated abrasive grain. 3,269,815, 8–30–66, Cl. 51—308.

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Kootz, Theodor, E. Kloth, and W. Wagner, to Stora Kopparbergs Bergslags Aktiebolag. Process for imparting an intermixing motion to a liquid mass of iron and slag. 3,259,485, 7–5–66, Cl. 75—60.

Kootz, Theodor, H. Maas, and E. A. Bengtsson, to Stora Kopparbergs Bergslags Aktiebolag. Method of refining pig iron. 3,259,486, 7–5–66, Cl. 75—60.

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Kopek, William J., and J. E. Stiffe, to The University of Illinois Foundation. Digital-to-analog converter. 3,247,397, 4–19–66, Cl. 307—88.5.

Kopelovitz, Solomon. Loose-leaf holders. 3,267,938, 8–23–66, Cl. 129—18.

Kopera, John H., to Rudd-Melikian, Inc. Vending machine equipment. 3,268,119, 8–23–66, Cl. 222—129.1.

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Kopernak, Rudy L. Desoldering tool. 3,245,597, 4–12–66, Cl. 228—20.

Kopernak, Rudy L. Vacuum desoldering iron. 3,245,598, 4–12–66, Cl. 228—20.

Kopernak, Rudy L. Desoldering device. 3,279,674, 10–18–66, Cl. 228—20.

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Korr, Abraham L. Food container. 3,245,338, 4–12–66, Cl. 99—358.
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Kosar, Peter, to Ajem Laboratories, Inc. Method for surface treating articles. 3,242,618, 3–29–66, Cl. 51—321.
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Kosch, Alois J. Rotary-to-reciprocating motion converter. 3,246,528, 4–19–66, Cl. 74—50.
Kosche, Horst, to Firma Renker-Belipa G.m.b.H. Electrophotographic material. 3,265,497, 8–9–66, Cl. 96—1.
Kosenkranius, Hans, to Polacoat Inc. Method of irreversibly darkening a bis(p-aminophenyl) vinyl carbonium polymethine leuco dye. 3,275,442, 9–27–66, Cl. 96—90.
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Kosikowski, Frank V., to Cornell Research Foundation, Inc. Measuring the presence of enzyme reactions. 3,293,147, 12–20–66, Cl. 195—103.5.
Kosinski, Alfred E., and C. C. Cook, to The Bendix Corp., Aerospace Division. Adjusting and locking means for a nut. 3,232,639, 2–1–66, Cl. 285—81.
Kosinsky, Edward J., to Phillips Petroleum Co. Material blending. 3,275,731, 9–27–66, Cl. 264—176.
Kosinsky, Edward J., E. Solop, and P. H. Wagner, to Phillips Petroleum Co. High shear visebreaking method and apparatus. 3,248,469, 4–26–66, Cl. 264—349.
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Kosmin, Milton, and J. R. Le Blanc, to Monsanto Co. N-alicyclicmethyl phenylenediamines. 3,283,006, 11–1–66, Cl. 260—576.
Kosoff, Harold. Cooling system for an internal combustion engine. 3,265,049, 8–9–66, Cl. 123—41.35.
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Kosower, Edward M., and E. J. Poziomek, to United States of America, Army. Process for preparing stable free pyridinium radicals. 3,298,256, 12–20–66, Cl. 260—295.
Koss, Kurt. Roof structure. 3,277,616, 10–11–66, Cl. 52—31.
Koss, Ronald W., to Minnesota Mining and Mfg. Co. Recording level intensity indicator. 3,286,248, 11–15–66, Cl. 340—253.
Kossan, Robert L., R. E. Carlberg, L. H. Weber, R. H. Allen, P. G. Wermager, J. L. Scheurich, and B. J. Matson, to United States of America, Navy. Buffer mechanism for adapter rail. 3,228,192, 1–11–66, Cl. 60—51.
Kossan, Robert L., R. E. Carlberg, L. H. Weber, R. H. Allen, P. G. Wermager, J. L. Scheurich, and B. J. Matson, to United States of America, Navy. Adapter rail restraining mechanism. 3,228,297, 1–11–66, Cl. 89—1.7.
Kossan, Robert L., R. E. Carlberg, L. H. Weber, R. H. Allen, P. G. Wermager, J. L. Scheurich, and B. J. Matson, to United States of America, Navy. Umbilical retract mechanism. 3,245,319, 4–12–66, Cl. 89—1.7.
Kossan, Robert L., R. E. Carlberg, L. H. Weber, R. H. Allen, P. G. Wermager, J. L. Scheurich, and B. J Matson, to United States of America, Navy Adapter rail latch mechanism. 3,276,317, 10–4–66, Cl. 89—1.5.
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Koster, Roland, to Studiengesellschaft Kohle m.b.H. Process for the production of boron alkyls containing methyl groups. 3,259,659, 7–5–66, Cl. 260—606.5.
Koster, Roland, to Studiengesellschaft Kohle m.b.H. Process for the production of heterocyclic boron compounds. 3,271,436, 9–6–66, Cl. 260—462.
Koster, Roland, to Studiengesellschaft Kohle m.b.H. Boron alkyls, and a process for the production of boron hydrocarbons. 3,287,415, 11–22–66, Cl. 260—606.5.
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Kotatko, Josef, and J. Smálek, to Zavody V. I. Lenina Plzen, narodni podnik. Heat treating furnace. 3,284,074, 11–8–66, Cl. 266—5.
Kotch, Robert J., P. W. Schumacher, Jr., and C. M. Kucera, to Reed Roller Bit Co. Drill bit lubricator. 3,230,019, 1–18–66, Cl. 308—8.2.
Kotecki, Harry F., to Motorola, Inc. Square law compander system utilizing a hall effect multiplier as the square law device. 3,284,726, 11–8–66, Cl. 333—14.
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Kotelnikov, Georgy R. I. R. Trokhachev, A N. Booshin, A. V. Klimin, S. P. Jablonsky, J. N. Chikhachev, S. M. Monoson, V. M. Sobolev, O. A. Mkheidze, and V. A. Zigel, to Nauchno-Issledovatelsky Institute Monomerov dlja Sinteticheskogo Kauchuka. Apparatus for drying solutions, emulsions and suspensions and for heat treatment of the dried material. 3,289,732, 12–6–66, Cl. 159—4.
Kotera, Katsumi, and R. Kido, to Shionogi & Co., Ltd. 6-amino-6,7-dihydro-5H-dibenzo [A,C] cycloheptenes. 3,291,828, 12–13–66, Cl. 260—562.
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Kott, Herbert, to Bright Star Industries, Inc. Plural source charging circuit for rechargeable flashlight. 3,264,545, 8–2–66, Cl. 320—22.
Kottenhahn, Alfred P., to E. I. du Pont de Nemours and Co. Polymerization of hydrocarbon monomers with a catalyst consisting of the reaction product of a dialkyl aluminum chloride and tris(p-chlorophenyl)ortho-vanadate. 3,250,753, 5–10–66, Cl. 260—80.5.
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Haas, Edgar, and Kottsieper. 3,256,763.
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Kouchner, Georges, 50% to Societe Civile de Recherches Scientifiques et Industrilles "Sodersl." Procedure for developing antimicrobial activity in non-pathogenic organisms. 3,262,864, 7–26–66, Cl. 195—96.
Koulakoff, Dimitri, and L. Vadas, to FMC Corp. Case loading machine. 3,237,365, 3–1–66, Cl. 53—55.
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Koury, Frederic, and J. F. Waymouth, to Sylvania Electric Products, Inc. High pressure discharge device containing molybdenum. 3,250,940, 5–10–66, Cl. 313—227.
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Kovach, Leslie J., and B. V. Menegus, to Modern Plastic Machinery Corp. Adjustable drive in plastic extruder. 3,259,940, 7–12–66, Cl. 18—12.
Kovach, Leslie J., and B. V. Menegus, to Modern Plastic Machinery Corp. Plastic screw injector. 3,259,943, 7–12–66, Cl. 18—30.
Kovach, Stephen M., to Sinclair Research, Inc. Liquid phase alkylation of aromatic hydrocarbons. 3,238,267, 3–1–66, Cl. 260—671.
Kovach, Stephen M., to Sinclair Research, Inc. Process for separating tertiary mono-olefins from non-tertiary mono-olefins. 3,249,646, 5–3–66, Cl. 260—677.
Kovach, Stephen M., to Sinclair Research, Inc. Method for the polymerization of monoolefins. 3,256,359, 6–14–66, Cl. 260—683.15.
Kovach, Stephen M., to Sinclair Research, Inc. Alcohols by selective hydrolysis of olefins. 3,257,469, 6–21–66, Cl. 260—641.
Kovach, Stephen M., to Sinclair Research, Inc. Process for separating C_4 to C_{20} non-tertiary olefins from tertiary olefins with fluorine supported on alumina. 3,257,473, 6–21–66, Cl. 260—677.
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Kovach, Stephen M., and G. O. Michaels, to Sinclair Research, Inc. Alkylation of aromatics and catalyst therefor. 3,230,270, 1–18–66, Cl. 260—671.
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Kovach, Stephen M., and G. O. Michaels, to Sinclair Research, Inc. Alkylation of aromatics with alcohols. 3,242,221, 3–22–66, Cl. 260—671.
Kovach, Stephen M., and G. O. Michaels, to Sinclair Research Inc. Aromatic alkylation process. 3,260,763, 7–12–66, Cl. 260—671.
Kovach, Stephen M., and G. O. Michaels, to Sinclair Research, Inc. Transmethylation and disproportionation of aromatics. 3,260,764, 7–12–66, Cl. 260—672.
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Kovarik, Frank J., to E. I. du Pont de Nemours and Co. Process for improving the pill resistance of two-component acrylonitrile polymers. 3,264,705, 8–9–66, Cl. 28—76.
Kovats, Andre, to Foster Wheeler Corp. Vane adjusting device for pump impellers and turbine wheels. 3,260,311, 7–12–66, Cl. 170—160.31.
Kovats, Andre, to Foster Wheeler Corp. Vane adjusting mechanism for variable pitch mixed flow pumps and turbine wheels. 3,291,221, 12–13–66, Cl. 170—160.44.
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Kozacka, Frederick J., to The Chase-Shawmut Co. Miniature current-limiting fuses. 3,238,336, 3–1–66, Cl. 200—131.

Kozacka, Frederick J., to The Chase-Shawmut Co. Low voltage fuse having a casing of cellulosic material and an arc-quenching filler of quartz sand. 3,240,905, 3–15–66, Cl. 200—120.

Kozacka, Frederick J., to The Chase-Shawmut Co. Time-lag fuses having high thermal efficiency. 3,261,950, 7–19–66, Cl. 200—120.

Kozacka, Frederick J., to The Chase-Shawmut Co. Time-lag fuse with ribbon fuse link having two systems of bends. 3,261,952, 7–19–66, Cl. 200—131.

Kozacka, Frederick J., to The Chase-Shawmut Co. Electric fuse with separate quartz fillers having different grain sizes. 3,291,942, 12–13–66, Cl. 200—120.

Kozacka, Frederick J., to The Chase-Shawmut Co. Time lag fuse with ribbon fuse link folded in longitudinal and in transverse direction. 3,291,943, 12–13–66, Cl. 200—120.

Kozacka, Frederick J., to The Chase-Shawmut Co. Time lag dual element fuse having means for precluding arc initiation adjacent terminals. 3,294,937, 12–27–66, Cl. 200—120.

Kozacka, Frederick J., to The Chase-Shawmut. Electric fuse having balanced low current interrupting performance and high current interrupting performance. 3,294,938, 12–27–66, Cl. 200—120.

Kozacka, Frederick J., and E. Salzer, to The Chase-Shawmut Co. High interrupting capacity fuses having casings of inorganic material. 3,291,940, 12–13–66, Cl. 200—120.

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Kozel, Harry, to Radiant Mfg. Corp. Slat lock assembly for portable screens. 3,289,737, 12–6–66, Cl. 160—24.

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Kozel, James A., to American Radiator & Standard Sanitary Corp. Fluid-operated mixing valve. 3,249,120, 5–3–66, Cl. 137—606.

Kozel, James A., and G. L. McClure, to American Radiator & Standard Sanitary Corp. Adjustable liquid metering means for shut-off valves. 3,275,033, 9–27–66, Cl. 137—613.

Kozel, James A., E. R. Plasko, and H. W. Kogan, to American Radiator & Standard Sanitary Corp. Solenoid valve having the solenoid encapsulated within a dielectric cover. 3,289,697, 12–6–66, Cl. 137—606.

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Kozicki, Henry J., to Ford Motor Co. Vehicle suspension system. 3,239,235, 3–8–66, Cl. 280—96.2.

Kozicki, Henry J., to Ford Motor Co. Vehicle suspension system. 3,246,716, 4–19–66, Cl. 180—64.

Kozicki, Henry J., to Ford Motor Co. Vehicle suspension system. 3,246,718, 4–19–66, Cl. 180—73.

Kozicki, Henry J., to Ford Motor Co. Vehicle suspension system. 3,279,556, 10–18–66, Cl. 180—54.

Kozicki, Henry J., and S. L. Freers, to Ford Motor Co. Leaf spring mounting. 3,231,291, 1–25–66, Cl. 280—124.

Kozikowski, John, V. Normal, and T. P. Whaley, to Ethyl Corp. Vapor plating with manganese chromium, moiybdenum or tungsten employing cyclopentadienyl metal carbonyl. 3,253,946, 5–31–66, Cl. 117—107.2.

Kozikowski, John, and M. Cais, to Ethyl Corp. Haloacycyclopentadienyl manganese tricarbonyls and process for preparation. 3,288,827, 11–29–66, Cl. 260—429.

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Kozikowski, John, and M. Cais, to Ethyl Corp. [(acetonylsulfonyl) cyclopentadienyl] manganesetricarbonyl. 3,290,344, 12–6–66, Cl. 260—429.

Kozikowski, John, and M. Cais, to Ethyl Corp. Sulfonyl cyclopentadienyl manganese tricarbonyls. 3,290,345, 12–6–66, Cl. 260—429.

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Kozlik, Robert F., and J. L. Swanson, to General Mills, Inc. Preparation of whippable compositions. 3,266,907, 8–16–66, Cl. 99—139.

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Kozlov, Nickolai J., to Spetsialnoje Konstruktorskoje Bureau "Prokatdetal." Method for producing concrete and reinforced concrete slabs and substantially flat structural elements. 3,250,835, 5–10–66, Cl. 264—71.

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Kozlowski, Robert H., and R. L. Jacobson, to Chevron Research Co. Production of lubricating oils from aromatic extracts. 3,256,175, 6–14–66, Cl. 208—58.

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Kracht, Gerhart, to Koppers Co., Inc. Process for preparing dimensionally stable styrene polymer foam. 3,233,016, 2–1–66, Cl. 264—53.

Kracht, Otto, and H. Schumacher, to Kadron G.m.b.H. Casings for valve assemblies. 3,275,024, 9–27–66, Cl. 137—315.

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Krafft, Frederick G., to The Thompson Grinder Co. Hydrostatic lubrication. 3,231,320, 1–25–66, Cl. 308—5.

Krafft, Joseph M., and W. A. Stolz. Tension-compression testing machine. 3,273,383, 9–20–66, Cl. 73—93.

Krafft, Werner, to Voith Getriebe KG. Arrangement for connecting a yieldable body portion with a non-yieldable body portion. 3,257,131, 6–21–66, Cl. 285—238.

Krafft, William R., to Hughes Aircraft Co. Superconductive variable impedance element. 3,257,587, 6–21–66, Cl. 317—158.

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Kraft, Paul, to Wurttembergische Metallwarenfabrik Geislingen. Method for connecting surfaces of one or more members made from metal filaments. 3,242,562, 3–29–66, Cl. 29—419.

Kraft, Paul. Frame support elements for the support stays of umbrella tops. 3,264,658, 6–7–66, Cl. 135—28.

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Kraft, Paul, and J. Schlomer, to Wurttembergische Metallwarenfabrik. Method for producing alloy steel wool. 3,234,056, 2–8–66, Cl. 148—16.

Kraft, Paul, and J. Schlomer, to Wurttembergische Metallwarenfabrik. Uniformly porous product consisting basically of metal fibers and process of making it. 3,278,279, 10–11–66, Cl. 29—182.

Kraft, Ray A. Clip support. 3,267,546, 8–23–66, Cl. 24—259.

Kraft, William M., and J. Weisfeld, to Tennecos Chemicals, Inc. Resinous compositions comprising an epoxidized ester of a neopentyl polyhydric alcohol and method of producing same. 3,265,646, 8–9–66, Cl. 260—18.

Kraft, William M., and R. Green, to Tennecos Chemical, Inc. Polyvinyl chloride plasticized with the addition products of alpha,beta-unsaturated dicarboxylic esters with epoxidized fatty esters. 3,275,584, 9–27–66, Cl. 260—23.

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Kraiman, Eugene, and A. F. Hasson, to Sun Chemical Corp. Quaternary ammonium compounds. 3,290,374, 12–6–66, Cl. 260—561.

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Krajewski, John J., to Swift & Co. Modifying isoelectric point of gelatin. 3,291,611, 12–13–66, Cl. 96—114.

Krajewski, John J., and H. T. Anderson, to Swift & Co. Water softener from keratinaceous materials modified with alkali hydroxides and water. 3,255,172, 6–7–66, Cl. 260—123.7.

Krajewski, John J., and H. T. Anderson, to Swift & Co. Ion exchange resins from keratin and a vinyl carboxylic compound. 3,262,893, 7–26–66, Cl. 260—2.2.

Krajewski, Richard M., to The Dow Chemical Co. Method of coating frozen meats. 3,248,232, 4–26–66, Cl. 99—194.

Krajowsky, Michael, and E. L. Turner, to Bausch & Lomb Inc. Mounting for compound telescope having parallel optical axes. 3,237,518, 3–1–66, Cl. 88—32.

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Krakower, Gerald W., and H. Van Dine, to E. R. Squibb & Sons, Inc. Synthesis of steroids. 3,294,819, 12–27–66, Cl. 260—343.2.

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Kralt, Teunis, D. Hendrik, W. J. Asma, and A. Lindner, to North American Philips Co., Inc. Method of relieving spasmodic conditions and pharmaceutical composition useful therefor. 3,265,577, 8–9–66, Cl. 167—65.

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Krasnow, Shelley. Frequency converter. 3,237,084, 2–22–66, Cl. 321—63.
Krasnow, Shelley. High frequency lighting converters and circuits. 3,237,085, 2–22–66, Cl. 322—16.
Krasnow, Shelley. Circuit and converters for high frequency fluorescent lighting. 3,237,086, 2–22–66, Cl. 322—16.
Krassig, Hans, and J. Brielmaier, to Heberlein & Co., AG. Process of modifying cellulosic textiles with acrolein and aftertreating with polyfunctional reactants. 3,254,941, 6–7–66, Cl. 8—116.4.
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Krastel, Adolph H., and H. Pedersen, to The Gleason Works. Gear generating machine and method. 3,288,031, 11–29–66, Cl. 90—5.
Krasun, Henryk A., to International Standard Electric Corp. Electromagnetic relay. 3,255,328, 6–7–66, Cl. 200—87.
Kraszeski, Arthur, to Alpha Research Corp. Pressure applicator for flowable material. 3,227,117, 1–4–66, Cl. 112—2.
Kratochvil, Friedrich, and H. Schlegel, to Telefunken Patentverwertungs-G.m.b.H. Electromagnetic focussing device for cathode ray tubes. 3,230,415, 1–18–66, Cl. 315—31.
Kratsios, George: *See*—
De Ghetto, Kenneth A., Long, Kratsios, and Yeh. 3,267,915.
Lee, Frank A., and Kratsios. 3,265,043.
Kratsios, George, to Foster Wheeler Corp. Catalytic cracking and fluid coking flue gas ducts. 3,260,277, 7–12–66, Cl. 137—317.
Kratz, Clyde, to K & N Soft Pretzel Co., Inc. Compact self-unloading baking oven. 3,272,154, 9–13–66, Cl. 107—4.

Kratz, Gerd P., to Gebr. Lang. Light-weight cutter block for electric shaver and method of manufacture. 3,290,781, 12–13–66, Cl. 30—346.51.
Kratz, Jerrold K., to Radio Corp. of America. Past-deflection color purity correcting magnet system for a color TV cathode ray tube. 3,247,411, 4–19–66, Cl. 313—84.
Kratz, Jerrold K., to Radio Corp. of America. Eccentrically mounted beam position adjusting device. 3,290,534, 12–6–66, Cl. 313—77.
Kratzer, Reinhold H.: *See*—
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Paciorek, Kazimiera J. L., and Kratzer. 3,277,170.
Krauer, Arthur: *See*—
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Kraujalis, Felix S., to Pines Engineering Co., Inc. Forming machine. 3,277,690, 10–11–66, Cl. 72—409.
Kraupp, Otto, and K. Schlogl, to Osterreichische Stickstoffwerke Aktiengesellschaft. Bis and tetrakis esters of 3,4,5-trimethoxybenzoic acid. 3,267,103, 8–16–66, Cl. 260—268.
Kraus, Charles E., to Excelermatic, Inc. Motion transmitting device. 3,246,533, 4–19–66, Cl. 74—200.
Kraus, Charles E., to Excelermatic, Inc. Motion transmitting device. 3,261,219, 7–19–66, Cl. 74—200.
Kraus, Charles E., to Excelermatic, Inc. Motion transmitting device. 3,261,220, 7–19–66, Cl. 74—200.
Kraus, Edmund J.: *See*—
Kraus, Robert A. and E. J. 3,259,175.
Kraus, Robert A. and E. J. 3,262,686.
Kraus, Robert A. and E. J. 3,268,635.
Kraus, George, to Aerojet-General Corp. Rocket motor nozzle. 3,251,554, 5–17–66, Cl. 239—265.15.
Kraus, Gerard: *See*—
Gruver, Jerry T., and Kraus. 3,257,346.
Kraus, Gerard, and J. J. Brennan, Jr., to Phillips Petroleum Co. Treating polybutadiene. 3,238,187, 3–1–66, Cl. 260—94.7.
Kraus, Gerard, and R. M. Schirmer, to Phillips Petroleum Co. Process and apparatus for producing acidic carbon black. 3,250,634, 5–10–66, Cl. 106—307.
Kraus, Gerard, to Phillips Petroleum Co. Mastication of rubber in the presence of an organic peroxide and an iron salt of a fatty acid. 3,256,227, 6–14–66, Cl. 260—23.7.
Kraus, Gerard, and A. L. Robbins, to Phillips Petroleum Co. Dispersion of pigments in ethylene polymers. 3,257,351, 6–21–66, Cl. 260—41.
Kraus, Gerard, and K. W. Rollmann, to Phillips Petroleum Co. Improving rubber processability. 3,257,373, 6–21–66, Cl. 260—94.7.
Kraus, Guido: *See*—
Maeder, Edward G., and Kraus. 3,270,544.
Kraus, Guido, to Reynolds Metals Co. Container body trimming and or deburring apparatus. 3,248,774, 5–3–66, Cl. 29—38.
Kraus, Guido, to Reynolds Metals Co. Container body flanging apparatus and method. 3,266,451, 8–16–66, Cl. 113—120.
Kraus, Johann. Through-running suction and pressure piston pump. 3,256,835, 6–21–66, Cl. 103—166.5.
Kraus, John D., to The Ohio State University Research Foundation. Backward angle travelling wave wire mesh antenna array. 3,290,688, 12–6–66, Cl. 343—731.
Kraus, Karl, to The Bendix Corp. Electrical connector means for coaxial cables and the like. 3,295,076, 12–27–66, Cl. 333—97.
Kraus, Karl, to The Bendix Corp. Electrical connector means for coaxial cables and the like. 3,295,095, 12–27–66, Cl. 339—177.
Kraus, Leonhard: *See*—
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Kraus, Ludwig, and F. G. F. Behles, to Daimler-Benz Aktiengesellschaft. Wheel suspension. 3,237,962, 3–1–66, Cl. 280—96.2.
Kraus, Murray, to CompuDyne Corp. Differential annunciator. 3,258,761, 6–28–66, Cl. 340—248.
Kraus, Murray, to Compudyne Corp. Static annunciator with acknowledgment and ring back. 3,287,717, 11–22–66, Cl. 340—213.
Kraus, Robert A. and E. J. Heating and cooling system for molds. 3,259,175, 7–5–66, Cl. 165—12.
Kraus, Robert A. and E. J. Arrangement for expanding plastic material. 3,262,686, 7–26–66, Cl. 263—21.
Kraus, Robert A. and E. J. Arrangement for forming foam plastic article. 3,268,635, 8–23–66, Cl. 264—41.
Kraus, Robert J. Hair cutter and guide assembly having coacting cutter positioning means. 3,272,209, 9–13–66, Cl. 132—46.
Kraus, Thaddäus: *See*—
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Kraus, Thaddaus, to Bendix Balzers Vacuum, Inc. Apparatus for determining the gas content of metal samples. 3,293,902, 12–27–66, Cl. 73—19.
Kraus, Wilhelm, ½ to E. Meyer. Adjustable boring head. 3,256,755, 6–21–66, Cl. 77—58.
Krause, Albert J. Nut thread lock. 3,279,516, 10–18–66, Cl. 151—19.
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Krause, Edward B., ½ to C. W. White. Position computer. 3,279,695, 10–18–66, Cl. 235—78.
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Krause, Harri L., to Bolkow Gesellschaft mit beschrankter. Low source-voltage cutoff arrangement for converters. 3,267,349, 8–16–66, Cl. 321—2.
Krause, Herbert, to Atwood Vacuum Machine Co. Seat slide construction. 3,279,737, 10–18–66, Cl. 248—430.
Krause, Herbert, to Atwood Vacuum Machine Co. Heavy duty seat adjuster. 3,288,422, 11–29–66, Cl. 248—429.
Krause, Horst L. Fruit juice extraction. 3,269,301, 8–30–66, Cl. 100—37.
Krause, James N., to Anaconda Aluminum Co. Container with improved liner construction. 3,288,341, 11–29–66, Cl. 229—4.5.
Krause, John L. Combined greeting card and greeting card holder. 3,261,535, 7–19–66, Cl. 229—35.
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Kraushaar, Alfred, and K. Riedl, to Biochemie Gesellschaft mit beschrankter Haftung. Diisopropyl ammonium nicotinate. 3,272,834, 9–13–66, Cl. 260—295.5.
Krauss, Donald M., to Gulton Industries, Inc. Electro-optical scanning system. 3,238,294, 3–1–66, Cl. 178—7.1.
Krauss, John, and R. J. Barbu, to Markbar Corp. Meat casing. 3,248,905, 5–3–66, Cl. 66—192.
Krauss-Maffei Aktiengesellschaft: *See*—
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Krauss, Melvin F., and C. H. Wickenberg, to Sunbeam Corp. Immersible electric coffee percolator. 3,280,303, 10–18–66, Cl. 219—441.
Krauss, Otto F.: *See*—
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Krauss, Otto, and F. Bahmann, to M. Grundig. Actuating means for microswitches. 3,264,444, 8–2–66, Cl. 200—172.
Krauss, Otto, J. Meinherz, M. Link, L. Kraus, and R. Schneider, to M. Grundig. Function control arrangements having common drive means. 3,268,049, 8–23–66, Cl. 197—17.
Krauss, Otto, M. Link, and L. Kraus, to M. Grundig. Means for preventing simultaneous operation of carriage return and any other carriage control function. 3,268,051, 8–23–66, Cl. 197—65.
Krauss & Reichert, Spezialmaschinenfabrik und Apparatebau: *See*—
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Krauss, Richard A., to Korsnas G.m.b.H. Method of producing a square bottom container. 3,277,798, 10–11–66, Cl. 93—35.
Krauss, Robert A. Display device. 3,231,996, 2–1–66, Cl. 40—132.
Kraut, Herman G., to The Stanley Works. Method for cutting sheet materials. 3,241,412, 3–22–66, Cl. 83—49.
Kraut, Herman G., to The Stanley Works. Method and apparatus for skin packaging articles and packages formed thereby. 3,270,482, 9–6–66, Cl. 53—30.
Kraut, Herman G., to The Stanley Works. Method of forming packages. 3,289,384, 12–6–66, Cl. 53—22.
Kraut, Nicholas, to Union Carbide Canada Ltd. Process for the purification of polyethylene glycols. 3,245,884, 4–12–66, Cl. 203—76.
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Krautwurst, Homer V., and E. H. Seidewand, to General Motors Corp. Fluid operated throttle actuator. 3,252,285, 5–24–66, Cl. 60—54.5.
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Krawitz, Max, to Sylvania Electric Products Inc. Cathode assembly for an electron tube. 3,240,978, 3–15–66, Cl. 313—270.
Krawitz, Max, to Sylvania Electric Products, Inc. Electroluminescent-photoconductive triggering device. 3,259,794, 7–5–66, Cl. 315—151.
Kray, Raymond J., and R. W. Stevenson, to Celanese Corp. of America. Moldable oxymethylene copolymers and method of preparing same. 3,275,604, 9–27–66, Cl. 260—67.
Kraybill, Jesse L., to General Dynamics Corp. Coupling for tubular members. 3,287,032, 11–22–66, Cl. 285—39.
Krazinski, Helen M., R. G. Shepherd, and W. E. Taft, to American Cyanamid Co. Sulfanilamido triazines and method of preparing the same. 3,252,974, 5–24–66, Cl. 260—239.65.
Krebs, Charles H. Sample cutter. 3,227,024, 1–4–66, Cl. 83—568.
Krebs, Donald C., and C. R. Weisflog. Measuring dispenser. 3,292,825, 12–20–66, Cl. 222—362.
Krebs, Willi, to Societe des Accumulateurs Fixes et de Fraction. Electrode supports and method for their production. 3,266,936, 8–16–66, Cl. 136—53.
Krebsdio, Horst, to Elmeg Elektro-Mechanik G.m.b.H. Control mechanism for preselection counter. 3,244,366, 4–5–66, Cl. 235—132.
Krechmer, Harold H. Protector for reeds on woodwind instruments. 3,257,888, 6–28–66, Cl. 84—383.
Kreckel, Karlheinz, G. Schiffers, and W. Wenzel, to Rheinstahl Huttanwerke Aktiengesellschaft. Apparatus for facilitating the application and removal of nuts or the like. 3,287,999, 11–29–66, Cl. 81—54.
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Kregness, Glen R., to Sperry Rand Corp. Scale factor device for normalizing a binary number. 3,234,368, 2–8–66, Cl. 235—159.
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Krei, Adalbert. Road map mounting means for an automobile. 3,293,785, 12–27–66, Cl. 40—86.
Kreibich, Kurt, and K.-O. Hagel, to Chemische Werke Huls Aktiengesellschaft. Shock-resistant polystyrene compositions containing two rubbery polymers. 3,230,186, 1–18–66, Cl. 260—4.
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Kreinberg, Earl R., to Philco Corp. System for precisely controlling amount of angular rotation or linear movement. 3,280,399, 10–18–66, Cl. 318—171.
Kreis, Howard J. Boat elevator for marine railway system. 3,238,733, 3–8–66, Cl. 61—67.
Kreis, Howard J. Mail sorting machine. 3,268,075, 8–23–66, Cl. 209—110.
Kreisel, Otto. Metal braided induction heating inductor coil. 3,260,792, 7–12–66, Cl. 174—130.
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Krekeler, Claude B., to The Cincinnati Mine Machinery Co. Releasable engagement means for cutter bits. 3,256,043, 6–14–66, Cl. 299—91.
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Kremp, Rudolf, and F. Hennig, to Agfa Aktiengesellschaft. Cameras with collapsible handles. 3,242,840, 3–29–66, Cl. 95—86.
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Kremp, Rudolf, W. Kisselmann, A. Winkler, and K. Bammesberger, to Agfa Aktiengesellschaft. Camera structure to effect adjustments for film speed and film cartridges for actuating said structure. 3,266,397, 8–16–66, Cl. 95—31.
Kremp, Rudolf, and A. Winkler, to Agfa Aktiengesellschaft. Camera structure for making adjustments for film speed. 3,266,398, 8–16–66, Cl. 95—31.
Kremp, Rudolf, and A. Winkler, to Agfa Aktiengesellschaft. Film cartridge support, particularly for cameras. 3,276,341, 10–4–66, Cl. 95—31.
Krempff, Robert, to Saint-Gobain de Compagnie. Conversion of SO_2 to SO_3 with a catalyst of selected porosity. 3,275,406, 9–27–66, Cl. 23—175.
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Krett, Lee L., to Allis-Chalmers Mfg. Co. Side shifting carriage for lift truck. 3,241,698, 3–22–66, Cl. 214—730.
Kretzmer, Ernest R., to Bell Telephone Laboratories, Inc. Free-running multivibrator using a single cross-coupling capacitor. 3,253,234, 5–24–66, Cl. 331—113.
Kretzschmar, Karl, and G. Lichtenauer, to Carl Hurth Maschinen- und Zahnradfabrik. Machine for treating gears and similar workpieces. 3,263,568, 8–2–66, Cl. 90—1.6.
Kreuter, Kenneth G., to Robertshaw Controls Co. Convertible pneumatic controls. 3,245,619, 4–12–66, Cl. 236—44.
Kreuter, Kenneth G., to Robertshaw Controls Co. Electropneumatic process controller. 3,266,379, 8–16–66, Cl. 91—374.
Kreuter, Kenneth G., to Robertshaw Controls Co. Pneumatic temperature control with heating means and bimetallic flapper valve. 3,278,702, 10–11–66, Cl. 200—81.
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Kreus, Frank P. Adjustable bedboard. 3,245,092, 4–12–66, Cl. 5—68.
Kreuz, John A., to E. I. du Pont de Nemours and Co. Preparation of aromatic polyiminolactones. 3,271,366, 9–6–66, Cl. 260—47.
Kreuzer, Friedrich, to Siemens & Halske Aktiengesellschaft. Communication system for telephone and teleprinter service. 3,227,806, 1–4–66, Cl. 179—3.
Kreuzer, Julius E., to Owens-Corning Fiberglas Corp. Panel supporting structure. 3,241,280, 3–22–66, Cl. 52—311.
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Krewer, William A., and G. W. Ayers, to Union Oil Co. of California. Preparation of chloroalkylated benzenes and alkylsubstituted benzenes. 3,271,465, 9–6–66, Cl. 260—651.
Krewson, Charles F., and W. E. Scott, to United States of America, Agriculture. Process for obtaining vernonia seed oil anthelmintica. 3,230,239, 1–18–66, Cl. 260—348.
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Krieger, Edward L.: *See*—
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Krieger, Larry L., to International Latex Corp. Security brassiere. 3,254,653, 6–7–66, Cl. 128—463.
Krieger, La Verne M., to Chrysler Corp. Transmission neutral switch. 3,242,280, 3–22–66, Cl. 200—61.91.
Krieger, Robert J., and E. R. Poulsen, to Titanium Metals Corp. of America. Conditioning ingots. 3,231,430, 1–25–66, Cl. 148—4.
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Krikac, Paul D., to G. Kitakis. Magnetically operated switch for ignition system. 3,250,955, 5–10–66, Cl. 315—214.
Krikorian, Garo, to Rice Barton Corp. Rotary drum heat exchanger. 3,248,803, 5–3–66, Cl. 34—110.
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Krimm, Heinrich, and H. Schnell, to Farbenfabriken Bayer Aktiengesellschaft. Copolymerizates of P-isopropenylphenyl esters. 3,259,605, 7–5–66, Cl. 260—47.
Krimm, Heinrich, and H. Schnell, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of high molecular weight linear organo-silicic acid arylene polyesters. 3,298,211, 12–20–66, Cl. 260—47.
Krimmel, Harry S. Therapeutic massaging device. 3,279,463, 10–18–66, Cl. 128—62.
Kring, Elbert V., to E. I. du Pont de Nemours and Co. Cells for generating electrical energy employing a hydrogen peroxide electrolyte in contact with an improved platinum electrode. 3,284,240, 11–8–66, Cl. 136—86.
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Krishnaswamy, Prathivadhi B., to Fischer & Porter Co. Alarm apparatus employing a monostable multivibrator that retains its astable state longer than an input cycle. 3,237,020, 2–22–66, Cl. 307—88.5.
Krishnaswamy, Prathivadhi B., to Fischer & Porter Co. Circuitry for effecting variable range control. 3,260,854, 7–12–66, Cl. 307—88.5.
Krishnaswamy, Prathivadhi B., D. L. Ham, and J. P. Fath, to Fischer & Porter Co. Magnetic flowmeter. 3,263,500, 8–2–66, Cl. 73—194.
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Krisovitch, William M. Drilling device for lathe tailstock. 3,258,997, 7–5–66, Cl. 77—60.
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Kritz, Jack, to Janus Products, Inc. Combination radio receiver and underwater doppler acoustical device. 3,231,852, 1–25–66, Cl. 340—3.
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Kritz, Jack, and S. D. Lerner, to Janus Products Inc. Doppler navigation system. 3,257,638, 6–21–66, Cl. 340—3.

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Kritzer, Richard W., to Peerless of America, Inc. Heat exchanger including a capillary tube section. 3,274,797, 9–27–66, Cl. 62—511.

Kritzer, Richard W., to Peerless of America, Inc. Heat exchangers. 3,275,071, 9–27–66, Cl. 165—121.

Kritzler, Helmuth: *See*—
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Kritzler, Helmuth, K. Wanger, and H. Holtschmidt, to Farbenfabriken Bayer Aktiengesellschaft. Process for the manufacture of N-alkyl-N-halogenmethyl-acylamino compounds. 3,242,202, 3–22–66, Cl. 260—455.

Kritzler, William R.: *See*—
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Kritzler, William R., and V. C. Sirvydas, to Philco Corp. Fabrication of semiconductor units. 3,286,340, 11–22–66, Cl. 29—471.1.

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Krivsky, William A., to Union Carbide Corp. Preparation of metals and alloys. 3,252,790, 5–24–66, Cl. 75—60.

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Krizan, Earl W. Smoking pipe. 3,275,006, 9–27–66, Cl. 131—183.

Krisman, John, Jr. Spark arrester. 3,263,404, 8–2–66, Cl. 55—447.

Kroamer, Vernon W., deceased, by H. L. West, and F. E. Huff, to United States of America, Navy. Transistor underwater telephone system. 3,263,207, 7–26–66, Cl. 340—5.

Krobath, Hans, to Human Resources Foundation. Respiratory analysis instrument. 3,232,288, 2–1–66, Cl. 128—2.08.

Krockow, Ernest-Wilhelm, to Dr. Spiess G.m.b.H. Agent for unrusting iron and iron-containing articles. 3,277,012, 10–4–66, Cl. 252—152.

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Kroeger, Hanns-H., and K. Dehmelt, to Varta Aktiengesellschaft. Method of producing catalytic electrodes. 3,248,214, 4–26–66, Cl. 75—208.

Kroehle, Thomas P., to Brown Fintube Co. Vaporizing apparatus and method. 3,269,367, 8–30–66, Cl. 122—448.

Kroekel, Rolf H. W., to Sealol, Inc. Pressure container. 3,270,905, 9–6–66, Cl. 220—3.

Kroeker, Edwin H.: *See*—
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Kroemer, Robert H., Jr. Food service system. 3,263,776, 8–2–66, Cl. 186—1.

Kroenke, June E. Contour pressing boards. 3,229,393, 1–18–66, Cl. 38—135.

Kroeper, Hugo, U. Wagner, and H.-M. Weitz, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Process for the separation of conjugated dioleſines from allenes and acetylenes. 3,242,227, 3–22–66, Cl. 260—681.5.

Kroeper, Hugo, R. Platz, H. Nohe, and R. Schanz, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of aromatic nitriles using vanadium oxide catalysts on an alumina carrier. 3,278,573, 10–11–66, Cl. 260—465.

Kroffke, Kenneth K., to Airmatic Valve, Inc. Pilot operated spool valve. 3,267,965, 8–23–66, Cl. 137—625.64.

Krog-Jensen, Erling, to L. M. Ericsson Telefonaktiebolaget. Monitoring system for monitoring the potential of conductors. 3,235,861, 2–15–66, Cl. 340—248.

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Krohn, Henry W., to Eaton Yale & Towne Inc. Tread depth gauge. 3,269,019, 8–30–66, Cl. 33—169.

Krohn, Henry W., to Eaton Yale & Towne Inc. Portable pressure gauge for a plural chamber pneumatic apparatus. 3,279,248, 10–18–66, Cl. 73—146.3.

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Krohn, Peter L. Method of preventing leaks in soldered joints and soft solder composition useful therein. 3,245,845, 4–12–66, Cl. 148—23.

Krohn, Verne A. Blinding tool for drain tiles and the like. 3,235,982, 2–22–66, Cl. 37—80.

Krohncke, Kenneth. Helicopter. 3,288,395, 11–29–66, Cl. 244—17.17.

Kroker, Raymond G., and R. E. Kronmiller, to National Union Electric Corp. Cooling arrangement for a vacuum cleaner motor or the like. 3,263,908, 8–2–66, Cl. 230—117.

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Krol, Stanley J., and L. B. Johnson, to United-Carr Inc. Electrical means and method of making at least a portion of the same. 3,288,291, 11–1–66, Cl. 339—276.

Kroll, Frederick H.: *See*—
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Kroll, Heinz, and H. Steinhardt, to International Standard Electric Corp. Slider switch construction with interfitting shaft members. 3,248,491, 4–26–66, Cl. 200—16.

Kroll, Merville O., to G. H. Tennant Co. Sweeping machine dust separator apparatus. 3,233,274, 2–8–66, Cl. 15—340.

Kroll, Merville O., to G. H. Tennant Co. Sweeping machine brush mounting apparatus. 3,284,830, 11–15–66, Cl. 15—49.

Krolopp, Otto C., to Blaw-Knox Co. Broad band indicator. 3,237,707, 3–1–66, Cl. 177—246.

Krolzick, Gordon J., to Whirlpool Corp. Mounting for rotatable drums. 3,277,584, 10–11–66, Cl. 34—133.

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Krom, Myron E., to Bell Telephone Laboratories, Inc. Transistor multivibrator circuit independent of supply variations. 3,239,690, 3–8–66, Cl. 307—88.5.

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Kromer, Orlando W., to Erickson Power Lift Trucks, Inc. Means for detachably securing work heads to boom-equipped power trucks and the like. 3,237,795, 3–1–66, Cl. 214—140.

Kromer, Wallace R. Method of and apparatus for carbonating, cooling, storing, distributing and dispensing beverages. 3,259,273, 7–5–66, Cl. 222—1.

Krommer, Werner, H. Kubin, and E. Rauenbusch, to Farbenfabriken Bayer Aktiengesellschaft. Process for producing optically-active α - alkyl-substituted phenoxyacetic acids. 3,256,156, 6–14–66, Cl. 195—30.

Kron, Carl M., to Phillips Petroleum Co. Separation of cyclohexane. 3,248,438, 4–26–66, Cl. 260—666.

Kron, Gerald E., to United States of America, Navy. Bakeable, leakproof, straight-through ultra-high vacuum valve. 3,266,505, 8–16–66, Cl. 137—88.

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Krone, Heinz, to Krone G.m.b.H. Flat-type plug for use with soldering tag strips in telecommunication technique. 3,284,757, 11–8–66, Cl. 339—176.

Krone, Howard C., to William A. Knapp Co. Fusible pressure relief for tanks and the like. 3,292,814, 12–20–66, Cl. 220—69.

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Wollweber, Hartmund, Hiltmann, Wilms, Kroneberg, and Stoepel. 3,278,542.

Kronenberg, Stanley, to United States of America, Army. Fast neutron spectroscope for measurements in a high intensity time dependent neutron environment. 3,238,369, 3–1–66, Cl. 250—83.1.

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Krones, Friedrich, to Agfa Aktiengesellschaft. Process for measuring magnetic unidirectional fields of low intensity, more especially for controlling magnetic sound instruments as regards noise-free unidirectional field quality. 3,255,316, 6–7–66, Cl. 179—100.2.

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Kronig, Walter, H.-J. Müller, and K.-H. Vöpel, to Farbenfabriken Bayer Aktiengesellschaft. Recycle of monoolefines to a hydrocarbon pyrolysis process. 3,271,297, 9–6–66, Cl. 208—67.

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Kronman, Seymour: *See*—
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Kronmiller, Richard E.: *See*—
Kroker, Raymond G., and Kronmiller.

Kronprins Aktiengesellschaft: *See*—
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Kronsbein, John, ⅓ to B. E. Buente, Jr. Toroidal inductor. 3,293,583, 12–20–66, Cl. 336—189.

Kronstein, Max, to Oakite Products Inc. Wash-primer coating including molybdate radical. 3,272,663, 9–13–66, Cl. 148—6.16.

Krosgov, Boris V., to Altaisky Traktoiny Zavod M. I. Kalinin. Crawler track chain having resilient sealing means surrounding interconnecting tie bars. 3,250,576, 5–10–66, Cl. 305—11.

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Kropa, Edward L., to W. R. Grace & Co. Polymerization catalyst systems comprising triethyl aluminum and dichlorotitaniumphthalocyanine; with or without an amine. 3,287,334, 11–22–66, Cl. 260—86.7.

Kropa, Gomer E., to General Motors Corp. Combustion cooled rocket nozzle. 3,253,405, 5–31–66, Cl. 60—35.6.

Kropp, Donald E., and A. M. Agron, to Pfaudler Permutit Inc. Apparatus for attaching parts to glass coated apparatus. 3,261,626, 7–19–66, Cl. 287—189.36.

Kropp, Willis A., to General Time Corp. Rotary oscillatory motion from continuous rotary motion. 3,270,360, 9–6–66, Cl. 15—22.

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Kroyer, Karl K. K. Process of making a crystallizable glass material. 3,266,879, 8–16–66, Cl. 65—21.

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Schwarz, Max, Kruckenberg, Lehmann, Gund, and Hees. 3,254,936.

Kruckenberg, Winfried, to Farbenfabriken Bayer Aktiengesellschaft. Water-insoluble monoazo dyestuffs. 3,268,507, 8–23–66, Cl. 260—207.

Kruckenberg, Winfried, D. Delfs, and M. Schwarz, to Farbenfabriken Bayer Aktiengesellschaft. Processes for dyeing and padding of hydrophobic materials. 3,253,878, 5–31–66, Cl. 8—55.

Kruckenberg, Winfried, G. Scriba, W. Langmann, and K. Dinges, to Farbenfabriken Bayer Aktiengesellschaft. Acrylamide derivative homopolymers and copolymers and aqueous emulsions thereof. 3,255,138, 6–7–66, Cl. 260—29.6.

Kruckenberg, Winfried, and K. Dinges, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of acrylonitrile copolymer. 3,256,252, 6–14–66, Cl. 260—79.3.

Kruckewitt, Wilfried: *See*—
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Krucki, Charles S., and G. W. Anderson. Low-voltage low-amperage flood light. 3,263,069, 7–26–66, Cl. 240—3.

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Krueger, Alfred E., and B. D. Priestman, to General Motors Corp. Locking mechanism for folding seats. 3,246,924, 4–19–66, Cl. 296—66.

Krueger, Allison F. Book rack attachment for chairs. 3,291,521, 12–13–66, Cl. 297—188.

Krueger, Allison F. Stackable chair. 3,291,523, 12–13–66, Cl. 297—239.

Krueger, Allison F. Chair with a folding tablet arm and to a tablet arm unit of novel structure. 3,292,972, 12–20–66, Cl. 297—162.

Krueger, Archie S.: *See*—
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Krueger, Archie S., N. J. Slye, and B. E. Blanchard, to Alwin Mfg. Co. Core brake for a web dispenser. 3,281,089, 10–25–66, Cl. 242—55.3.

Krueger, Archie S., N. J. Slye, and B. E. Blanchard, to Alwin Mfg. Co. Paper dispenser. 3,291,411, 12–13–66, Cl. 242—55.53.

Krueger, Arthur P. Side transfer for trailers. 3,232,242, 2–1–66, Cl. 105—366.

Krueger, Glenn N., to United States Steel Corp. Apparatus for deflecting and guiding a descending slab. 3,257,691, 6–28–66, Cl. 22—57.2.

Krueger, Leonard D. Rope spinning swivel. 3,260,014, 7–12–66, Cl. 46—47.

Krueger, Leonard R., to Wausau Iron Works. Quick coupler. 3,285,625, 11–15–66, Cl. 280—479.

Krueger, Robert C., and E. J. Kapalko, to Pittsburgh Plate Glass Co. Compositions comprising a carboxylic acid amide interpolymer and a polyalkylene ether. 3,255,147, 6–7–66, Cl. 260—33.2.

Krueger, William G., to Tension Envelope Corp. Two-way envelope. 3,227,360, 1–4–66, Cl. 229—78.

Krueter, Kenneth G., and K. P. Mueller, to Robertshaw Controls Co. Pneumatic selector relay. 3,245,426, 4–12–66, Cl. 137—112.

Kruezer, Walter, to Dynamit Nobel Aktiengesellschaft. Rifle shell. 3,260,207, 7–12–66, Cl. 102—92.5.

Krug, Charles C.: *See*—
Stephens, Frederick N., and Krug. 3,255,726.
Stephens, Frederick N., and Krug. 3,262,418.

Krug, Herbert A.: *See*—
Alexander, Norman J., and Krug. 3,236,241.

Krug, James R., and M. E. Bundy, to Milo Bundy Corp. Device for abrading and applying biologicals to the skin of a patient. 3,289,670, 12–6–66, Cl. 128—2.

Krug, Robert H.: *See*—
Kluge, Herman D., Krug, and Cantor. 3,247,115.

Krug, William H. Vibrato circuit. 3,260,785, 7–12–66, Cl. 84—1.25.

Kruger, Ernst: *See*—
Ahlert, Wilhelm, Kruger, and Damm. 3,291,050.

Kruger, Horst, to Unilever N.V. Method for the utilisation of sludge produced by waste water clarification in a paper mill. 3,235,444, 2–15–66, Cl. 162—190.

Kruger, James B., C. A. Iten, and G. A. La Cas, to Philip Morris Inc. Injector type safety razor with one-piece bridge and key retainer member. 3,253,335, 5–31–66, Cl. 30—62.

Kruger, Michael H., to Smithcraft Corp. Recessed light fixture. 3,263,072, 7–26–66, Cl. 240—51.11.

Kruger, Michael H., to Smithcraft Corp. Light fixture assembly. 3,271,570, 9–6–66, Cl. 240—51.11.

Kruger, Owen L., J. B. Moser, and B. J. Wrona, to United States of America, Atomic Energy Commission. Preparation of plutonium monosulfide and plutonium monophosphide. 3,282,656, 11–1–66, Cl. 23—344.

Kruger, Rine: *See*—
Corbin, Ralph L., Kruger, and Badgley. 3,272,656.

Krüger, Wolfgang: *See*—
Gottwald, Waldemar, Löbl, and Krüger. 3,252,161.

Kruglinski, Frank A.: *See*—
Miller, Joseph A., and Kruglinski. 3,253,383.
Miller, Joseph A., and Kruglinski. 3,253,389.

Kruis, August E.: *See*—
Karwat, Ernst, Kruis, and Scholz. 3,233,388.

Kruishoop, Johan Christiaan W., to North American Philips Co., Inc. Method of manufacturing compact bodies of manganic oxide and/or iron oxide and bodies thus obtained. 3,256,210, 6–14–66, Cl. 252—519.

Kruissink, John W., to Dentin Mfg. Co. Stadium bench cover. 3,266,545, 8–16–66, Cl. 150—516.

Kruj, Joseph F., now by change of name, J. F. Kruy, to Honeywell Inc. Pulse sensing circuit for bipolarity signals utilizing a tunnel diode. 3,233,119, 2–1–66, Cl. 307—88.5.

Krukow, Eugene J.: *See*—
Stevens, Edwin L., and Krukow. 3,279,277.

Krukziener, Maurits: *See*—
Van der Voort, Henricus G. P., Krukziener, Baurdoux, and van Oosten. 3,249,545.
Wagenaar, Adriaan H., and Krukziener. 3,268,480.

Krulish, John A. C.: *See*—
Childs, Elbert B., and Krulish. 3,232,097.

Krullsch, Robert E., to Union Carbide Corp. Process for producing polyethylene in the presence of tertiary butyl hydroperoxide and N-butylamine. 3,275,615, 9–27–66, Cl. 260—94.9.

Krüll, Andreas. Structure for mounting vertical blind slats. 3,251,400, 5–17–66, Cl. 160—196.

Krumbein, Fritz, and E. Taesler, to Zeiss Ikon Aktiengesellschaft. Switch device for motion picture projector. 3,238,008, 3–1–66, Cl. 352—169.

Krumkalns, Eriks: *See*—
Gerzon, Koert, and Krumkalns. 3,285,933.

Krumm, Eugene D.: *See*—
Jensen, Arthur, and Krumm. 3,246,687.

Krummell, John D. Rack. 3,228,533, 1–11–66, Cl. 211—177.

Krump, Robert C.: *See*—
Eldridge, Raymond W., Jr., and Krump. 3,276,507.

Krup, Donald E., to The Fred Mills Corp. Valve system for dispensing liquid. 3,231,140, 1–25–66, Cl. 222—129.2.

Krupen, Philip, to United States of America, Army. Centrifugal switch. 3,286,057, 11–15–66, Cl. 200—80.

Krupick, Walter J., R. F. Cimera, and W. F. O'Brien, Jr., to General Precision Inc. Azimuth alignment sensor. 3,258,976, 7–5–66, Cl. 74—5.6.

Krupnick, Robert D. Illumination effect light. 3,251,985, 5–17–66, Cl. 240—2.

Krupp, Helmar, E. Robens, G. Sandstede, and G. Walter, to Edwards High Vacuum Ltd. Radiometer force measuring apparatus. 3,229,516, 1–18–66, Cl. 73—170.

Krupp, Robert F., to Gerber Products Co. Machine for unloading retort crates. 3,265,223, 8–9–66, Cl. 214—8.5.

Krupp, Robert F., and J. K. Wagner, to Gerber Products Co. Coupling with shear pin. 3,236,106, 2–22–66, Cl. 74—2.

Kruppenbach, John A.: *See*—
Griffith, George L., Schwoyer, Dowling, and Kruppenbach. 3,252,843.

Kruppenbach, John A., T. W. Schmucker, T. P. Dowling, and F. A. Schmoyer, to Trojan Powder Co. Explosive primer package with slip fit fuse holder. 3,256,814, 6–21–66, Cl. 102—24.

Krupsky, Michael R.: *See*—
Tompkins, Harry A., and Krupsky. 3,292,829.

Krusche, Erwin, and C. Heid, to Cassella Farbwerke Mainkur Aktiengesellschaft. Sulfur dye compositions and method of dyeing textile materials therewith. 3,294,476, 12–27–66, Cl. 8—37.

Kruse, Carl W.: *See*—
Mahan, John E., and Kruse. 3,230,269.

Kruse, Carl W., to Phillips Petroleum Co. Dehydrohalogenation. 3,257,472, 6–21–66, Cl. 260—666.

Kruse, Carl W., and R. F. Kleinschmidt, to Phillips Petroleum Co. Stabilization of hydrocarbon halides. 3,227,766, 1–4–66, Cl. 260—666.

Kruse, Carl W., and G. C. Ray, to Phillips Petroleum Co. Dehydrohalogenation of hydrocarbon halides. 3,240,834, 3–15–66, Cl. 260—677.

Kruse, Carl W., V. C. Vives, and T. A. Yokley, Jr., to Phillips Petroleum Co. Production of 2,3-dimethylbutenes. 3,247,-277, 4–19–66, Cl. 260—677.

Kruse, Clarence E., and G. F. Richmond, to Clevite Corp. Wire brush sharpening device. 3,289,359, 12–6–66, Cl. 51—241.

Kruse, Clemens A., Jr. Pressure control tool driving device. 3,286,594, 11–22–66, Cl. 90—11.

Kruse, Harold L.: *See*—
Jones, Robert L., and Kruse. 3,289,137.

Kruse, John R., Jr.: *See*—
Lowenstein, Mark G., and Kruse. 3,231,766.

Kruse, Melvin S. Line-retrieving plumb bob. 3,284,914, 11–15–66, Cl. 33—217.

Kruse, Niels G. Stabilized beat frequency oscillator for multi-frequency receiver. 3,248,652, 4–26–66, Cl. 325—430.

Kruse, Werner, to Fette Wilhelm Prazisionswerkzeug-Fabrik. Self-opening thread rolling head. 3,236,081, 2–22–66, Cl. 72—78.

Kruse, Willard E., to E. I. du Pont de Nemours and Co. Pigmentary TiO_2 manufacture. 3,284,159, 11–8–66, Cl. 23—202.

Kruszona, Edward W., Jr.: *See*—
Van Luik, Frank W., Jr., Wood, and Kruszona. 3,250,060.

Krutzikowsky, Klaus E. B. Collapsible trailer. 3,288,520, 11–29–66, Cl. 296—23.

Kruy, Joseph F.: *See*—
Kruj, Joseph F. 3,233,119.

Kruy, Joseph F., to Honeywell Inc. Electrical apparatus. 3,243,584, 3–29–66, Cl. 235—175.

Krusan, Albert W., to Borg-Warner Corp. Gas fired clothes dryer. 3,290,028, 12–6–66, Cl. 263—33.

Kruzell, George R. Closed breech rocket gun. 3,227,045, 1–4–66, Cl. 89—187.

Kruzell, George R. Reaction type missile. 3,283,721, 11–8–66, Cl. 102—49.

Kruzhevnaja Gardinno Tulevaja Fabrika im. E. Teljmana: *See*—
Voronin, Vasily V., Panov, Mikhailik, Kokolevsky, Pekov, Fedorov, Zorin, Solomin, and Pomolotov. 3,286,320.

Kruzic, Zelko J., and P. Skalka, to Westinghouse Electric Corp. Mounting apparatus for panelboards. 3,280,380, 10–18—66, Cl. 317—119.

Krynicki, John. Toy boat and driving means therefor. 3,279,-120, 10–18–66, Cl. 46—93.

Krynski, John E., to Ametek, Inc. Filter. 3,235,086, 2–15–66, Cl. 210—404.

Krynski, John E., to Ametek, Inc. Filter. 3,263,816, 8–2–66, Cl. 210—386.

Krynytzky, Alexander: *See*—
Lister, Paul J., and Krynytzky. 3,241,181.

Krynytzky, Alexander, to Sterling Precision Corp. Stiff leg outrigger for fire trucks and the like. 3,253,717, Cl. 212—145.

Krynytzky, Alexander, O. Hoffmann, and E. J. Zajac, to Sterling Precision Corp. Vehicle carried boom. 3,253,-677, 5–31–66, Cl. 182—2.

Krysiak, Henry R., to E. I. du Pont de Nemours and Co. Process for bonding rubber to polyester shaped structures. 3,234,067, 2–8–66, Cl. 156—330.

Krysiuk, Genadij: *See*—
Bloom, Earl M., Jr., and Krysiuk. 3,289,576.

Krysmanski, Reiner, to Siemens-Schuckertwerke Aktiengesellschaft. Semiconductor rectifier device with a stack of rectifier tablets. 3,230,427, 1–18–66, Cl. 317—234.

Kryspin, Alfred J.: *See*—
Zaleske, Michael J., and Kryspin. 3,284,044.

Krystof, Joseph P., to Rowland Products Inc. Apparatus for making extruded sheet material. 3,274,646, 9–27–66, Cl. 18—18.

Krystow, Paul E.: *See*—
Petro, Anthony J., and Krystow. 3,272,736.

Kryter, Karl D., to Bolt Beranek & Newman, Inc. Method of and apparatus for speech compression and the like. 3,246,-084, 4–12–66, Cl. 179—15.55.

Kryter, Karl D., to Bolt Beranek and Newman, Inc. Method of and apparatus for signal-information detection. 3,246,-285, 4–12–66, Cl. 340—1.

Kryzer, Benjamin H., to Union Tank Car Co. Water conditioning system. 3,253,713, 5–31–66, Cl. 210—140.

Krzemicki, Kazimiers: *See*—
Schonbeck, Rupert, and Krzemicki. 3,264,197.

Krzesinski, Boleslaw: *See*—
Finlayson, Donald, Krzesinski, and Cooke. 3,232,322.

Krzewina, Thomas: *See*—
Fitzpatrick, Allyn H., and Krzewina. 3,288,302.

Krzysczuk, Edward. Diffusion motor. 3,279,750, 10–18–66, Cl. 253—40.

Krzyszczuk, Edward, to American Hospital Supply Corp. Air driver for dental hand piece. 3,292,459, 12–20–66, Cl. 74—798.

Krzysskowski, Lessek J. K., to Pennsalt Chemicals Corp. Production of finely divided polyolefin from preformed polymeric gel. 3,246,934, 4–12–66, Cl. 260—29.6.

Krzyzanowski, Robert A., to Milprint, Inc. Commodity support card. 3,272,328, 9–13–66, Cl. 206—65.

Krzyzanowski, Robert A., to Milprint, Inc. Dispenser carton. 3,276,622, 10–4–66, Cl. 221—37.

Ksieski, Kazimiers T., to Parker-Hannifin Corp. Rotary spherical valve assembly including fluid pressure seals. 3,252,684, 5–24–66, Cl. 251—172.

Ksiezopolski, Zygmunt V.: *See*—
Huck, William F., and Ksiezopolski. 3,253,384.

Ku, Edmond Chiu-Choon: *See*—
Harvill, Edward K., and Ku. 3,278,394.

Kuba, Richard E., to North Electric Co. Current supply apparatus employing electric waveform conversion. 3,286,-159, 11–15–66, Cl. 323—45.

Kubas, Joseph. Stabilized watercraft and stabilizer for minimizing pitching and wave shock of small craft. 3,270,-701, 9–6–66, Cl. 114—121.

Kubelka, Alois, V. Opatril, and K. Kubelka, to Elitey Sdruseni podniku textilniho. Drive means for a loom element. 3,263,707, 8–2–66, Cl. 139—122.

Kubelka, Karel: *See*—
Kubelka, Alois, Opatril, and Kubelka. 3,263,707.

Kuberry, Richard W., A. R. Prince, and T. J. Shopple, to United States of America, Navy. Air-cooled towed magnetometer sensor. 3,281,662, 10–25–66, Cl. 324—5.

Kubiak, Victor. Hair rolling apparatus. 3,289,680, 12–6–66, Cl. 132—40.

Kubicek, Louis A. Deburring tools. 3,276,294, 10–4–66, Cl. 77—73.5.

Kubicek, Louis A., and J. L. Toth. Deburring tools. 3,230,-798, 1–25–66, Cl. 77—73.5.

Kubick, Harry A., to Eastman Kodak Co. Rotary folding arrangement. 3,260,029, 7–12–66, Cl. 53—3.

Kubie, William L., Sr., to United States of America, Agriculture. Single application linseed oil-in-water emulsions for curing and/or preventing spalling of concrete. 3,228,777, 1–11–66, Cl. 106—12.

Kubik, Casimir F.: *See*—
Webb, James E. 3,279,193.

Kubik, Heinz: *See*—
Knipping, Wolfgang, Kubik, and Tamm. 3,247,479.

Kubik, Jadwiga Z.: *See*—
Michel, Pierre P. H. J. F. 3,278,614.

Kubilos, Charles A., to American Brake Shoe Co. Speed control circuits and servo-systems employing the same. 3,234,396, 2–8–66, Cl. 290—40.

Kubilos, Charles A., to Abex Corp. Multiple condition speed control. 3,282,278, 11–1–66, Cl. 137—26.

Kubin, Hermann: *See*—
Frommer, Werner, Kubin, and Rauenbusch. 3,256,156.

Kubisiak, Donald P.: *See*—
Giesner, William K., Thompson, and Kubisiak. 3,274,136.
Laik, Robert H., Peterson, Kubisiak, and Weber. 3,234,039.

Kubitschek, Hans E.: *See*—
Nelson, Richard C., and Kubitschek. 3,284,400.

Kubitzek, Alfred: *See*—
Biedermann, Klaus, Jakob, Kubitzek, and Simson. 3,275,913.

Kubler, Donald G.: *See*—
Brezinski, Julius J., Kubler, and Rose. 3,294,744.

Kubler, Ernest F., to General Electric Co. Armature voltage sensing and indicating circuit. 3,229,182, 1–11–66, Cl. 318—331.

Kubler, Friedrich. Subtractive roller counter. 3,250,467, 5–10–66, Cl. 235—132.

Kubo, Hideo: *See*—
Aiba, Shuichi, Kubo, Shirato, Esumi, and Miyazaki. 3,239,430.

Kubo, Juro. Method of producing non-fired decorative glaze coatings on metal surfaces. 3,288,633, 11–29–66, Cl. 117—70.

Kubo, Moritada, and S. Watanabe, to Tokyo Shibaura Electric Co., Ltd. Apparatus for feature recognition of symbols. 3,268,864, 8–23–66, Cl. 340—146.3.

Kuboszek, Rudolf: *See*—
Urbanski, Tadeusz, Hackel, Kuboszek, and Kutkiewicz. 3,268,431.

Kubota, Buichi, T. Nishikawa, H. Chiba, and M. Sugimura, to Matsushita Electric Industrial Co., Ltd. Method for preparing CrO of rutile type crystalline structure. 3,243,-260, 3–29–66, Cl. 23—145.

Kubota Tekko Kabushiki Kaisha: *See*—
Akiyama, Jiro, and Wakita. 3,290,737.

Kubota, Yasuharu: *See*—
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Kubouchi, Osamu: *See*—
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Kucera, Carrell J.: *See*—
Slater, Eben A., and Kucera. 3,293,180.

Kucera, Clare H.: *See*—
Beale, Alvin F., Jr., and Kucera. 3,231,507.

Kucera, Clement M.: *See*—
Kotch, Robert J., Schumacher, and Kucera. 3,230,019.

Kucera, Henry T., to Ametek, Inc. Conditon responsive sequence switch. 3,235,692, 2–15–66, Cl. 200—140.

Kucera, Joseph B., 50% to R. L. Lowell. Silo unloader. 3,228,514, 1–11–66, Cl. 198—95.

Kucera, Joseph B., 50% to R. L. Lowell. Material handling apparatus. 3,229,827, 1–18–66, Cl. 214—17.

Kucera, Joseph B., 50% to R. L. Lowell. Material handling apparatus. 3,229,828, 1–18–66, Cl. 214—17.

Kucera, Joseph B. Bulk material scattering unloader. 3,241,841, 3–22–66, Cl. 275—6.

Kucera, Joseph B., ⅓ to E. M. McElhinney, and ⅓ to R. L. Lowell. Bulk material handling apparatus. 3,263,836, 8–2–66, Cl. 214—83.18.

Kucera, Miroslav: *See*—
Fetter, Zdenek, Musil, Kucera, Pelikan, and Leimer. 3,263,729.

Kuceski, Vincent P., to The C. P. Hall Co. of Illinois. Method of making amides of dimethylamine and piperazine. 3,288,-794, 11–29–66, Cl. 260—268.

Kuceski, Vincent P., to The C. P. Hall Co. of Illinois. Brominated and chlorinated amides and process for making same. 3,288,821, 11–29–66, Cl. 260—404.

Kuchar, Paul J.: *See*—
Adams, Frank H., Hardison, and Kuchar. 3,294,675.

Kuche und Haustechnik G.m.b.H.: *See*—
Schorghuber, Franz. 3,284,152.

Kuchek, Henry A., to The Dow Chemical Co. Method of making porous metallic article. 3,236,706, 2–22–66, Cl. 156—2.

Kuchek, Henry A., to The Dow Chemical Co. Clad porous metal articles. 3,275,424, 9–27–66, Cl. 29—183.5.

Kuchen, Richard, and H.-J. Sossna, to Motomak Motorenbau Maschinen -und Werkzeugfabrik Konstruktionen. Self-adjusting hydraulic valve lifter for piston engines. 3,262,434, 7–26–66, Cl. 123—90.

Kuchenbecker, Hermann: *See*—
Eissfeldt, Erich, Reinscke, Schulze, Kuchenbecker, and Teichmann. 3,255,693.

Kuchenbecker, Hermann, and G. Hausmann, to Siemens & Halske Aktiengesellschaft Berlin and Munich. Device for inking high-speed printer. 3,276,363, 10–4–66, Cl. 101—349.

Kuchenbecker, Karl. Feeding guard. 3,252,445, 5–24–66, Cl. 119—59.

Kuchenbecker, Karl. Triple grate feeding guard. 3,269,359, 8–30–66, Cl. 119—59.

Kuchenbecker, Morris W.: *See*—
Helms, John F., and Kuchenbecker. 3,227,054.

Kuchenbecker, Morris W., and J. F. Helms, to American Can Co. Liquid-tight carton. 3,268,150, 8–23–66, Cl. 229—51.

Kuchera, Gerald J., to A. O. Smith Corp. Apparatus for quenching a metal member. 3,252,695, 5–24–66, Cl. 266—6.

Kuchera, Gerald J., to A. O. Smith Corp. Method for quenching a metal member. 3,294,597, 12–27–66, Cl. 148—131.

Kuchinka, Karl: *See*—
Klug, Helmut, Kuchinka, Peters, Schleede, and Winter. 3,275,596.

Kuchinsky, Saul, to Burroughs Corp. Compact cold cathode indicator tube with thin ribbon vertical cathodes. 3,260,-881, 7–12–66, Cl. 313—109.5.

Kuchmy, John: *See*—
Vreeland, Robert W., Kuchmy, and Robinson. 3,260,197.

Kucka, Frank P. and M. J. Outdoor receptacle for newspapers and the like. 3,263,905, 8–2–66, Cl. 229—93.

Kucka, Michael J.: *See*—
Kucka, Frank P. and M. J. 3,263,905.

Kucka, Stephen P. Welding work positioner adapter for nonlinear workpieces such as elbows and the like. 3,239,-209, 3–8–66, Cl. 269—55.

Kuckens, Alexander, to Dagma G.m.b.H. Dispenser for liquids. 3,258,166, 6–28–66, Cl. 222—70.

Kuckhoff, Carl J., Sr.: *See*—
Kuckhoff, John C. 3,247,582.

Kuckhoff, John C. and C. J. Kuckhoff, Sr., A. W. Wilson, Sr., and Merchants National Bank & Trust Co. of Syracuse, executors of said J. C. Kuckhoff, deceased, to The Syrcause Stamping Co., Inc. Method of making gate faucet slide. 3,247,582, 4–26–66, Cl. 29—157.1.

Kucmerosky, Theodore L., to The Bendix Corp. Flow divider valve. 3,247,967, 4–26–66, Cl. 210—97.

Kuczewski de Poray, Marcel C. Apparatus for observing images. 3,226,866, 1–4–66, Cl. 40—152.2.

Kuderna, Jerome G., Jr.: *See*—
Larson, John E., and Kuderna. 3,228,827.

Kudla, Herman: *See*—
Cofer, Daniel B., Kudla, Martin, and Proctor. 3,286,791.

Kudlaty, Walter J., to Marvel Engineering Co. Electrical connector. 3,278,888, 10–11–66, Cl. 339—211.

Kudlaty, Walter J., to Marvel Engineering Co. De-air device. 3,279,680, 10–18–66, Cl. 230—111.

Kudlaty, Walter J., T. B. Holliday, and R. Luchetta, to Marvel Engineering Co. Filter signal. 3,250,873, 5–10–66, Cl. 200—83.

Kudo, Hisha: *See*—
Takeda, Sadasuke, Tabuchi, Iwami, and Kudo. 3,241,944.

Kudo, Yoshito, and M. Futamata, to Kabushiki Kaisha Komatsu Seisakusho. Hydraulic drive speed changing and transmitting unit. 3,279,172, 10–18–66, Cl. 60—53.

Kudritzki, Hans: *See*—
Buckwald, Fritz, and Kudritzki. 3,265,325.

Kudsi, Mohamed B.: *See*—
Campbell, Robert L., and Kudsi. 3,275,074.

Kueber, Paul F., to Westinghouse Electric Corp. Counting device, utilizing controlled rectifiers, with particular sequencing means. 3,260,858, 7–12–66, Cl. 307—88.5.

Kuebler, Manfred E., to United States of America, Administrator of the National Aeronautics and Space Administration. Method and means for damping mutation in a satellite. 3,277,486, 10–4–66, Cl. 343—705.

Kuebler, Robert A.: *See*—
Pate, Albert F., Kuebler, and Kestner. 3,253,176.

Kuebler, Werner R.: *See*—
Skeist, Irving, Martel, and Kuebler. 3,228,782.

Kuecken, John A., to Avco Corp. Distance measuring equipment. 3,246,322, 4–12–66, Cl. 343—6.

Kuecken, John A., and C. G. Colony, to Avco Corp. Extendible dipole antenna. 3,268,903, 8–23–66, Cl. 343—791.

Kuehl, Frederick A., Jr.: *See*—
Harman, Robert E., Kuehl, Strachan, and Hirschmann. 3,285,935.

Kuehl, Frederick A., Jr., R. E. Harman, and R. E. Ormond, to Merck & Co., Inc. 7-acylaminocephalosporanic acids. 3,236,841, 2–22–66, Cl. 260—243.

Kuehl, Thomas J., to American Cyanamid Co. Waterproof joint for adjacent wall members. 3,281,172, 10–25–66, Cl. 287—189.36.

Kuehlthau, Hugo L.: *See*—
Avery, Fred J., and Kuehlthau. 3,279,635.

Kuehn, Andrew, III, to Systematics, Inc. Apparatus for stopping engines. 3,241,539, 3–22–66, Cl. 123—198.

Kuehn, Emil H. Battery carrying device. 3,284,124, 11–8–66, Cl. 294—31.

Kuehn, Howard E., to Farrel Corp. Drive for shell type rolls. 3,290,897, 12–13–66, Cl. 64—6.

Kuehn, William G., Jr., to Container Corp. of America. Closing means for paperboard carton. 3,249,282, 5–3–66, Cl. 229—3.1.

Kuehne, Gerald B., W. P. Schulz, and O. Heil, to Varian Associates. Hermetic seal structure. 3,281,523, 10–25–66, Cl. 174—50.61.

Kuehne, Gerhard B., to Eitel-McCullough, Inc. Cathode support and heat shielding structure for electron gun. 3,227,-906, 1–4–66, Cl. 313—45.

Kuehne, Gerhard B., and W. P. Schulz, to Varian Associates. Dielectric window structure. 3,251,618, 5–17–66, Cl. 287—189.365.

Kuehnle, Manfred R. Toroidal transmission. 3,242,755, 3–29–66, Cl. 74—424.5.

Kuehnle, Manfred R., to Itek Corp. Data storage system record drive mechanism. 3,281,685, 1–25–66, Cl. 179—100.2.

Kuehnle, Manfred R., to Itek Corp. Data processing apparatus. 3,240,880, 3–15–66, Cl. 179—100.2.

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Kuffner, Karl, to Agfa Aktiengesellschaft. Quaternary monounsaturated pyridinium salts. 3,254,090, 5–31–66, Cl. 260—290.

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Kuhbier, Carl. Pliers having a camming lever member trapped between jaw members. 3,273,238, 9–20–66, Cl. 30—189.

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Kuhl, Edgar W. Machine for treating cigarettes. 3,251,367, 5–17–66, Cl. 131—27.

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Kuhl, Henry Y. and P. R. Egg washing equipment. 3,267,943, 8–23–66, Cl. 134—72.

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Kuhl, Henry Y. and P. R. 3,267,943.

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Kühle, Engelbert, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of isothiocyanates and isothiocyanate products. 3,235,580, 2–15–66, Cl. 260—454.

Kühle, Engelbert, E. Klauke, F. Crewe, and H. Kaspers, to Farbenfabriken Bayer Aktiengesellschaft. N-trihalogeno methyl thio-derivatives of 5 ring members containing heterocyclic compounds. 3,249,620, 5–3–66, Cl. 260—304.

Kühle, Engelbert, E. Klause, and G. Unterstenhofer, to Farbenfabriken Bayer Aktiengesellschaft. Certain fluoro-dichloromethyldithiobenzazole compounds. 3,251,850, 5–17–66, Cl. 260—306.5.

Kühle, Engelbert, E. Klauke, P.-E. Frohberger, and F. Crewe, to Farbenfabriken Bayer Aktiengesellschaft. Carbamoyl disulfides in fungicidal and herbicidal methods. 3,256,084, 6–14–66, Cl. 71—2.7.

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Kuhle, Engelbert, L. Eue, and R. Wegler, to Farbenfabriken Bayer Aktiengesellschaft. O-lower alkyl-N-chloro phenyl-N',N'-dilower alkyl isoureas. 3,280,190, 10–18–66, Cl. 260—564.

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Kuhne, Gerhard, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for manufacturing graft copolymers from polymers based upon vinyl chloride and elastomers. 3,281,345, 10–25–66, Cl. 204—163.

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Kuhne, Rudolf, and F. Meininger, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing compounds containing N-alkylate ethionylamino- or vinylsulfonylamino groups. 3,234,257, 2–8–66, Cl. 260—458.

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Kuhne, Rudolf, and F. Meininger, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing compounds containing an ethionylamino group. 3,264,340, 8–2–66, Cl. 260—458.

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Kühne, Rudolf, F. Meininger, and H. Springer, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Water-soluble phthalocyanine dyestuffs. 3,278,548, 10–11–66, Cl. 260—314.5.

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Kulka, Marshall, to United States Rubber Co. Preparation of 3-trifluoromethyl-4-nitrophenol. 3,251,889, 5–17–66, Cl. 260—622.

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Wurzburg, Otto B., and Kunze. 3,265,509.
Wurzburg, Otto B., and Kunze. 3,265,510.

Kunze, Wilhelm, to Cassella Farbwerke Mainkur Aktiengesellschaft. Crosslinkage of polymers containing amide groups. 3,281,400, 10–25–66, Cl. 260—89.7.

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Kunzle, August, and L. Horvath, to Heberlein Patent Corp. Apparatus and method for crimping textile yarns. 3,261,-156, 7–19–66, Cl. 57—34.

Kunzle, August, and W. Roth, to Heberlein Patent Corp. False twisting device. 3,267,657, 8–23–66, Cl. 57—77.45.

Kunzler, John E., and B. T. Matthias, to Bell Telephone Laboratories, Inc. High field superconducting magnet consisting of a niobium-zirconium composition. 3,281,736, 10–25–66, Cl. 335—216.

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Kuppenbender, Heinz, G. Lange, and O. Erbe, to Carl Zeiss-Stiftung, d.b.a. Carl Zeiss. Motion picture camera. 3,276,-837, 10–4–66, Cl. 352—83.

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Kuramoto, Saichiro, Y. Nishizawa, K. Fujimoto, H. Sakamoto, M. Nakagawa, and T. Misutani, to Sumitomo Chemical Co. Ltd. O,O-dimethyl - O - (3-chloro-4-N,N-dilower alkylsulfamoylphenyl) thionophosphates. 3,293,329, 12–20–66, Cl. 260—944.

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Kusuda, Fuyuki, Y. Matsuo, and E. Seto, to Nippon Shinyaku Co. Ltd. Imidazolidinonesulfonamide derivatives. 3,284,-447, 11–8–66, Cl. 260—239.9.
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Kutchera, Arthur W., to Minnesota Mining and Mfg. Co. Card storage and feeding device. 3,279,789, 10–18–66, Cl. 271—39.
Kutchera, Don H., to Kimberly-Clark Corp. Papermaking machine. 3,264,754, 8–9–66, Cl. 34—124.
Kuter, Johannes, and B. Missmahl, to Losenhausenwerk Duesseldorfer Maschinenbau AG. Device for the indication of extreme values of pulsating hydraulic pressures. 3,233,-462, 2–8–66, Cl. 73—396.
Kutik, Louis F., ½ to E. W. Gronemeyer. Progressive plastic injection system. 3,284,854, 11–15–66, Cl. 18—30.
Kutik, Martin J., to Litton Systems, Inc. Electrographic recording apparatus. 3,283,684, 11–1–66, Cl. 346—74.
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Kutlow, Arthur. Package for a core-less coil. 3,272,326, 9–13–66, Cl. 206—52.
Kutner, Abraham, to Hercules Inc. Purification of polyolefins. 3,287,343, 11–22–66, Cl. 260—93.7.
Kutney, John T.: *See*—
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Kutney, John T., to General Electric Co. Thrust reverser mechanism. 3,280,561, 10–25–66, Cl. 60—226.
Kutney, John T., to General Electric Co. Cruise fan power-plant. 3,289,414, 12–6–66, Cl. 60—263.
Kutney, John T., to General Electric Co. Thrust deflecting mechanism. 3,292,880, 12–20–66, Cl. 244—12.
Kutney, John T., and G. H. Israel, Jr., to General Electric Co. Thrust reverser. 3,262,269, 7–26–66, Cl. 60—35.54.
Kuts, Mathew, to The B. F. Goodrich Co. Gasket cutting machine. 3,261,246, 7–19–66, Cl. 82—101.
Kuts, Mathew, to The B. F. Goodrich Co. Punching apparatus. 3,266,352, 8–16–66, Cl. 83—18.
Kuts, Mathew, and R. F. Cooper, to The B. F. Goodrich Co. Cutting device for a continuously moving tube. 3,267,786, 8–23–66, Cl. 83—318.
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Geist, Heinz, Kranert, and Kutschera. 3,260,474.
Kutschmende, Ralph. Spiral display apparatus. 3,284,935, 11–15–66, Cl. 40—33.
Kuttes, Anthony. Rotary pump or motor. 3,289,653, 12–6–66, Cl. 123—16.
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Kuyt, Frits, to Bausch & Lomb Inc. Magnetically biased recording stylus. 3,245,084, 4–5–66, Cl. 346—139.
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Kuze, Yoshikazu. Hydrostatic power transmission. 3,293,-848, 12–27–66, Cl. 60—53.
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Kwong, Joseph N. S., to Minnesota Mining and Mfg. Co. Epoxy resins cured with polyaminopolyamides from diaminopolyethers and dicarboxylic acids. 3,257,342, 6–21–66, Cl. 260—18.
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Kyle, James C., to Physical Sciences Corp. Sealed multi-contact connector. 3,259,872, 7–5–66, Cl. 339—94.
Kyle, James C., to Physical Sciences Corp. Detonation squib. 3,274,937, 9–27–66, Cl. 102—70.2.
Kyle, Leslie B., to Hydroponics, Inc. Continuous hydroponic system. 3,284,948, 11–15–66, Cl. 47—1.2.
Kyle, Thom I., to British Titan Products Co. Ltd. Non-aqueous gel-resistant paints. 3,260,608, 7–12–66, Cl. 106—253.
Kyle, William K. Controls for multi-compressor refrigeration systems. 3,240,027, 3–15–66, Cl. 62—126.
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Laa, Friedrich, and G. Kargl, to North American Philips Co., Inc. Brake mechanism for push button controlled tape recorders and record players. 3,233,706, 2–8–66, Cl. 188—105.
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La Barbera, Joseph, to AMF Beaird, Inc. Method of forming an integral tank shell heat-exchange coil. 3,255,517, 6–14–66, Cl. 29—157.3.
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La Barge, Robert L., to Aluminum Co. of America. Joining and jointed structures. 3,290,077, 12–6–66, Cl. 287—187.36.
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Lake, Connie, to National Distillers and Chemical Corp. Device for sealing thermoplastic film. 3,258,385, 6–28–66, Cl. 156—581.
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Rittmann, Albert D., Desmond, and Lake. 3,253,319.
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Lake, James H.: *See*—
Anderson, Ferdinand W., and Lake. 3,290,239.
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Lakin, Ira W., to National Steel Corp. Article handling apparatus. 3,236,397, 2–22–66, Cl. 214—1.
Lakin, Ira W., to National Steel Corp. Method for lining furnaces. 3,287,875, 11–29–66, Cl. 52—747.
Lakin, Willis M., to Marlin Toy Products, Inc. Toy carrousel. 3,279,793, 10–18–66, Cl. 272—31.
Lakin, Winfield A.: *See*—
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Lakins, Franklin D., to Lipe Rollway Corp. Article handling apparatus. 3,253,721, 5–31–66, Cl. 214—1.
Lakshmanan, Tavorath K., and K. I. Andrushkiw, to Weston Instruments, Inc. A.C. voltage regulator with photoresponsive control means. 3,284,698, 11–8–66, Cl. 323—75.
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Lakson, Eino E., to Lakso Co. Inc. Capsule filling machine. 3,286,436, 11–22–66, Cl. 53—281.
Lal, Joginder, and D. E. Heppert, to The Goodyear Tire & Rubber Co. Curing polytetrahydrofuran with sulfur and a peroxide. 3,268,472, 8–23–66, Cl. 260—37.
Lalikos, James M., and R. A. Adamczyk, to Atlas Corp. Compressed sleeve coupling for flexible hoses. 3,248,208, 3–29–66, Cl. 285—256.
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Lallemant, Pierre M. J., to Societe Hispano-Suiza Lallemant. Friction disc devices for disc brakes. 3,243,019, 3–29–66, Cl. 188—218.
Lalli, Nicholas. Duplicating device for woodturning lathes. 3,277,933, 10–11–66, Cl. 142—47.
Lallouette, Pierre. Bacterial extract. 3,276,962, 10–4–66, Cl. 167—78.
Lally, Leonard A., C. P. Davis, and P. B. Boswell, to United States of America, Navy. Microsyn modification. 3,276,271, 10–4–66, Cl. 74—5.6.
Lally, Robert E., and F. J. Ihde, Jr., to Nopco Chemical Co. Process of preparing finely divided silicas of varied properties. 3,262,801, 7–26–66, Cl. 106—288.
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Lamb, Charles M., and H. B. Meyer. Air discharge nozzle. 3,269,664, 8–30–66, Cl. 239—272.
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Lamb, Glentworth, to American Cyanamid Co. Controlling fungi and bacteria with alkoxy or alkylthio alkylamine ethers. 3,291,683, 12–13–66, Cl. 167—22.
Lamb, Glentworth, to American Cyanamid Co. Control of bacteria and fungi with amine cyanoferrates. 3,291,684, 12–13–66, Cl. 167—22.
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Lamb, Irvin E., to Aerojet-General Corp. Monitor for airborne beryllium. 3,291,986, 12–13–66, Cl. 250—83.3.
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Lamb, John K., and E. J. Daley, to Cardel Electric Co., Inc. Air-jet dryer for printed material. 3,254,426, 6–7–66, Cl. 34—155.
Lamb, Raymond J., and R. T. Kiley. Apparatus for conditioning material. 3,285,702, 11–15–66, Cl. 23—252.
Lamb, Robert M. Flexible maple sap collecting tubing. 3,226,883, 1–4–66, Cl. 47—52.
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Lamb, Thomas W., and C. B. Vogel, to Shell Oil Co. Well Logging. 3,227,997, 1–4–66, Cl. 340—18.
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Lambdin, Foraker, Jr., and L. R. Phillips, to United States of America, Atomic Energy Commission. Process for production of high surface area tungsten and tungsten trioxide powder. 3,236,634, 2–22–66, Cl. 75—.5.
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Kershner, Osborn A. 3,245,499.
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Kershner, Osborn A., and Kreitner. 3,237,724.
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"Lambert Freres & Cie": *See*—
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Lambert, Lucian T. Overhead door safety catch. 3,258,062, 6–28–66, Cl. 160—201.

Lambert, Mahlon, W. Spinner-type card game apparatus. 3,232,622, 2–1–66, Cl. 273—149.

Lambert, Norman W.: *See*—
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Lambert, Robert D., to Symington Wayne Corp. Power-operated loading ramp. 3,255,478, 6–14–66, Cl. 14—71.

Lambert, Robert D., and D. S. Hansen, to C. G. Sargent's Sons Corp. Material processing apparatus. 3,281,958, 11–1–66, Cl. 34—222.

Lambert, Robert L., and W. R. McKeirnan, to Sylvania Electric Products Inc. Film techniques. 3,227,591, 1–4–66, Cl. 156—89.

Lambert, Robert L., and R. E. Palmateer, to Sylvania Electric Products Inc. Thermal impregnating process for negative electrodes. 3,284,237, 11–8–66, Cl. 136—24.

Lambert, Robert R., to Air Factors, Inc. Ceiling air diffuser. 3,227,063, 1–4–66, Cl. 98—40.

Lambert, Robert R., to Air Factors, Inc. Controllable air conditioning outlet. 3,240,145, 3–15–66, Cl. 98—40.

Lambert, Robert R., to Air Factors, Inc. Strip-type air diffuser. 3,250,205, 5–10–66, Cl. 98—40.

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Lamberty, Bernard J., to United States of America, Army. Apparatus for scanning radio frequency energy. 3,264,642, 8–2–66, Cl. 343—7.4.

Lambeth, Dennis E., to Dowty Technical Developments Ltd. Hydraulic apparatus. 3,269,122, 8–30–66, Cl. 60—53.

Lambeth, Dennis E., to Dowty Technical Developments Ltd. Hydraulic apparatus. 3,271,956, 9–13–66, Cl. 60—53.

Lambeth, Dennis E., to Dowty Technical Developments Ltd. Hydraulic apparatus. 3,271,957, 9–13–66, Cl. 60—53.

Lambeth, Dennis, E., to Dowty Technical Developments, Ltd. Hydraulic apparatus. 3,286,647, 11–22–66, Cl. 103—162.

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Lambrech, Joseph A., deceased, by V. G. Lambrech, executrix, to Union Carbide Corp. 5-acenaphthenyl esters of carbamic acid and N-substituted alkyl carbamic acids. 3,271,442, 9–6–66, Cl. 260—479.

Lambrech, Joseph A. (deceased, by V. G. Lambdin, executrix), W. H. Hensley, and D. C. Torgeson, to Union Carbide Corp. Method of combatting fungi employing (polycarbocyclicmethylmercapto)imidazolines. 3,288,672, 11–29–66, Cl. 167—33.

Lambrech, Vallah G.: *See*—
Lambrech, Joseph A. 3,271,442.

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Lambuth, Alan L., to Monsanto Co. Highly reactive alkaline phenol-formaldehyde condensates. 3,274,139, 9–20–66, Cl. 260—29.3.

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Lamer, Gerald P., and E. S. Burdick, to Drott Mfg. Corp. Adjustable wheel base vehicle. 3,236,392, 2–22–66, Cl. 212—13.

Lamer, Gerald P., and E. S. Burdick, to Drott Mfg. Corp. Load handling apparatus. 3,251,496, 5–17–66, Cl. 214—392.

Lamer, Gerald P., and E. S. Burdick, to Drott Mfg. Corp. Boat hoist apparatus. 3,272,362, 9–13–66, Cl. 214—396.

La Mere, Frank J., ¼ to H. M. Tonkin. Incinerator and disposal unit for human waste. 3,230,913, 1–25–66, Cl. 110—9.

La Mers, Herbert, to Technical Tape Corp. Labeling machine. 3,240,652, 3–15–66, Cl. 156—361.

Lamerz, Gustaf E. E., deceased (by I. H. E. K. Lammerz, nee Roth, heir, and A. Koss, guardian of minor heir), to Voith-Getriebe Kommanditgesellschaft. Hydraulic power transmission, especially for use in connection with rail vehicles. 3,263,528, 8–2–66, Cl. 74—731.

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Laming, Lindon C., and K. and A. E. Stevens, to Foster Wheeler Corp. Internal cone arc torch. 3,268,706, 8–23–66, Cl. 219—123.

Lamkin, James E., 35% to W. W. Lowrey, Jr., and W. M. Majors, Jr., and 5%, to M. E. Lamkin. Water softening apparatus. 3,239,063, 3–8–66, Cl. 210—98.

Lamkin, Marion E.: *See*—
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Lamlein, Walter E.: *See*—
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Springer, Willi, and Lamm. 3,229,899.
Springer, Willi, and Lamm. 3,255,738.

Lamm, Heinz, to Daimler-Benz Aktiengesellschaft. Rotary piston engine. 3,289,649, 12–6–66, Cl. 123—8.

Lamm, Heinz, L. Kortner, and H. O. Derndinger, to Daimler-Benz Aktiengesellschaft. Rotary piston internal combustion engine. 3,288,120, 11–29–66, Cl. 123—8.

Lammers, C. Jay, deceased, by L. M. Lammers, administratrix. Isotope storage device. 3,259,748, 7–5–66, Cl. 250—106.

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Lammers, C. Jay. 3,259,748.

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Lammeyer, Konrad. Living room office cabinet. 3,239,294, 3–8–66, Cl. 312—27.

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La Monica, James A., to Crane Co. Self-priming centrifugal pump. 3,270,678, 9–6–66, Cl. 103—113.

Lamont, James F., and T. P. Gormley; said Gormley assor. to said Lamont. Golf shoe accessory. 3,258,859, 7–5–66, Cl. 36—2.5.

Lamont, John, to Western Electric Co., Inc. Method for determining the magnitude of an open fault in one of a pair of current carrying conductors by measuring the voltage across a capacitance in series with the capacitance of said pair. 3,284,704, 11–8–66, Cl. 324—52.

Lamont & Riley, Inc.: *See*—
Moore, Howard N. 3,272,684.

Lamont, Walter R. Automatic primer loader. 3,240,103, 3–15–66, Cl. 86—38.

Lamorlette, Paul, to l'Eclairage des Vehicules Sur Rail. Electrical generator and devices for supplying electric current to lighting, air-conditioning and other apparatus. 3,264,504, 8–2–66, Cl. 310—168.

Lamorte, Michael F., to Radio Corp. of America. Planar P-N junction light source with reflector means to collimate the emitted light. 3,290,539, 12–6–66, Cl. 313—114.

Lamoureaux, Raymond L. Painter's utility implement. 3,275,187, 9–27–66, Cl. 220—90.

Lamoureux, William R., to International Business Machines Corp. Byte decoder. 3,290,671, 12–6–66, Cl. 340—347.

Lampard, Edward D. Sausage forming and retaining rack. 3,228,059, 1–11–66, Cl. 17—34.

Lampart, Thomas, to Cerberus AG. Determining presence of aerosols in cases. 3,233,100, 2–1–66, Cl. 250—44.

Lamparty, Henry C. Combination electric motor and differential drive for vehicles. 3,267,311, 8–16–66, Cl. 310—115.

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Lamperti, Pierre. Apparatus for testing pressure in pneumatic tires. 3,272,008, 9–13–66, Cl. 73—146.3.

Lamphere, Jean K.: *See*—
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Kammerer, Archer W. 3,289,760.

Lamphier, Wilbur N. Electrode type vapor generator. 3,242,313, 3–22–66, Cl. 219—290.

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Lampman, Peter W., to FMC Corp. Apparatus for applying coating material to confections. 3,280,791, 10–25–66, Cl. 118—24.

Lampman, William T., to Whirlpool Corp. Article supporting apparatus. 3,245,742, 4–12–66, Cl. 312—304.

Lamport, Richard M., and R. L. Hassenauer, to General American Transportation Corp. Lading separating bulkheads for railway boxcars. 3,283,729, 11–8–66, Cl. 105—376.

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Lamprey, Headlee, J. B. Culbertson, and R. L. Ripley, to Union Carbide Corp. Process for producing ultrafine powders of refractory materials. 3,253,886, 5–31–66, Cl. 23—134.

Lampros, Chris L., and P. Daffin, to Peter Rabbit Candies Inc. Apparatus for making confection figures. 3,276,398, 10–4–66, Cl. 107—8.

Lampson, George P., to Merck & Co., Inc. Concentration and purification of interferons, viral inhibiting substances (VIS), viral inhibiting factors (VIF), or viral inhibitory material. 3,256,152, 6–14–66, Cl. 167—78.

Lampson, Morey L.: *See*—
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Lamson Corp.: *See*—
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Lamson & Sessions Co., The: *See*—
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Anderson, Edward A. 3,294,208.
Anderson, Edward A., and Clause. 3,251,079.
Anderson, Edward A., and Clause. 3,255,798.
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Lancaster, Jesse F., to Cooke Engineering Co. Laboratory apparatus. 3,252,331, 5–24–66, Cl. 73—425.4.

Lancaster, Jesse F., to Cooke Engineering Co. Metered drop dispenser. 3,276,639, 10–4–66, Cl. 222—421.

Lancaster, Neal R. Upholstered chair frame clamping machine. 3,290,039, 12–6–66, Cl. 269—25.

Lancaster, Robert A., to Western Electric Co., Inc. Apparatus for winding tapped coils. 3,228,615, 1–11–66, Cl. 242—7.

Lancaster, Thomas G., to United States of America, Army. Grenade carrying rocket. 3,267,810, 8–23–66, Cl. 89—1.7.

Lance, Bruce J. Tube bending device. 3,279,236, 10–18–66, Cl. 72—396.

Lancelotta, Patricia S.: *See*—
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Lances, Leo, to Edith Lances, Inc. Wire supported brassiere. 3,252,460, 5–24–66, Cl. 128—473.

Lancesseur, Francois. Dehydrating stopper. 3,254,784, 6–7–66, Cl. 215—37.

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Lancy Laboratories, Inc.: *See*—
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Lancy, Leslie E. 3,294,680.

Lancy, Leslie E., to Lancy Laboratories, Inc. Constant flow aerator and siphon breaker. 3,273,866, 9–20–66, Cl. 261—19.

Lancy, Leslie E., to Lancy Laboratories, Inc. Apparatus for electro treating. 3,276,985, 10–4–66, Cl. 204—203.

Lancy, Leslie E., to Lancy Laboratories, Inc. Zinc and cadmium electroplating. 3,294,655, 12–27–66, Cl. 204—50.

Lancy, Leslie E., to Lancy Laboratories, Inc. Treatment of spent cooling waters. 3,294,680, 12–27–66, Cl. 210—49.

Land, Charles E., Jr., and R. R. Barton, to Miles Laboratories, Inc. Starch saccharification process. 3,265,586, 8–9–66, Cl. 195—31.

Land, Edwin, to Polaroid Corp. Process and apparatus for treating photographic sheet materials with a processing fluid. 3,264,969, 8–9–66, Cl. 95—89.

Land, Edwin H., to Polaroid Corp. Photographic diffusion transfer process. 3,228,767, 1–11–66, Cl. 96—29.

Land, Edwin H., to Polaroid Corp. Diffusion transfer process using an oxidized 4,6-diamino-ortho-cresol solution. 3,241,964, 3–22–66, Cl. 96—29.

Land, Edwin H., to Polaroid Corp. Process for preparing a photosensitive element and process of using same in a diffusion transfer method. 3,249,433, 5–3–66, Cl. 96—29.

Land, Edwin H., to Polaroid Corp. Photographic apparatus and product useful therein. 3,254,583, 6–7–66, Cl. 95—13.

Land, Edwin H., to Polaroid Corp. Formation of photographic images. 3,254,999, 6–7–66, Cl. 96—2.

Land, Edwin H., to Polaroid Corp. Photographic processes and products. 3,255,009, 6–7–66, Cl. 96—61.

Land, Edwin H., to Polaroid Corp. Self-developing camera. 3,283,683, 11–8–66, Cl. 95—13.

Land, Edwin H., to Polaroid Corp. Photographic apparatus. 3,283,684, 11–8–66, Cl. 95—13.

Land, Edwin H., to Polaroid Corp. Photographic products and processes for the production thereof. 3,284,208, 11–8–66, Cl. 96—118.

Land, Edwin H., and H. G. Rogers, to Polaroid Corp. Color processes and products. 3,230,082, 1–18–66, Cl. 96—3.

Land, Edwin H., and M. M. Morse, to Polaroid Corp. Diffusion-transfer reversal processes and elements useful in such processes. 3,234,022, 2–8–66, Cl. 96—29.

Land, Edwin H., M. N. Fairbank, and W. J. McCune, Jr., to Polaroid Corp. Process for recovering processed photographic sheet material. 3,249,434, 5–3–66, Cl. 96—29.

Land, Edwin H., M. Green, and M. M. Morse, to Polaroid Corp. Photographic processes. 3,256,091, 6–14–66, Cl. 96—29.

Land, Edwin H., and N. W. Daw, to Polaroid Corp. Method and system for producing and viewing color stereoscopic images. 3,256,776, 6–21–66, Cl. 88—29.

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Landau, Moshe. Trap for air or wind blowing parallel to the wall of a building. 3,279,349, 10–18–66, Cl. 98—30.

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Landau, Richard E. Dewatering clayey and silty soil. 3,274,782, 9–27–66, Cl. 61—11.

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Landis, Phillip S., D. D. Neiswender, and R. D. Offenhauer, to Socony Mobil Oil Co., Inc. Oxidation of methylaromatic hydrocarbons in the presence of a promoter. 3,256,324, 6–14–66, Cl. 260—524.
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Landler, Yvan, and P. Lebel, to Pneumatiques et Caoutchouc Manufacture et Plastiques Kleber Colombes. Process for manufacture of cellular objects made of thermoplastic material. 3,256,217, 6–14–66, Cl. 260—2.5.
Landler, Yvan, and P. H. Lebel, to Societe anonyme dite: Pneumatiques, Caoutchouc Manufacture et Plastiques Kleber Colombes. Methods for manufacturing rigid cellular products based on polyvinylchloride, and products resulting therefrom. 3,267,051, 8–16–66, Cl. 260—2.5.
Landler, Yvan, J. Reygrobellet, M. F. Vernon, and A. Leclercq, to Société anonyme dite: Pneumatiques, Caoutchouc Manufacture et Plastiques Kleber Colombes. Method and apparatus for immersion molding a foamable polyvinyl chloride and polyisocyanate preform. 3,283,043, 11–1–66, Cl. 264—54.
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Larky, Norbert D., to United States of America, Air Force. Radar tracking system. 3,271,768, 9–6–66, Cl. 343—17.1.

La Rocca, Aldo V., to General Electric Co. Controllable vaporizing gas accelerator. 3,270,498, 9–6–66, Cl. 60—35.5.

Laroche, Andre. Collapsible spring stand. 3,259,080, 7–5–66, Cl. 108—131.

La Roe, Emmett T., G. B. Righter, and E. A. Strate, to Douglas Aircraft Co., Inc. Store carrier with sway braced lug. 3,268,188, 8–23–66, Cl. 244—118.

La Roque, Ernest E., ¼ to M. R. McIntee. Camping trailer device. 3,257,125, 6–21–66, Cl. 280—414.

La Rosa, Richard: *See*—
Doncese, George, and La Rosa. 3,231,826.

La Rosa, Richard, to Hazeltine Research, Inc. Parametric amplifier with pump feed across capacitive gap. 3,229,215, 1–11–66, Cl. 330—4.9.

La Rosa, Richard, to Hazeltine Research, Inc. Variable inductor. 3,281,748, 10–25–66, Cl. 336—139.

La Rosa, Richard, to Hazeltine Research, Inc. Easily fabricated waveguide structures. 3,292,115, 12–13–66, Cl. 333—73.

Larose, Gerard M.: *See*—
Graham, John M., Wondra, and Larose. 3,290,556.

Larrasoain, Marie T. Devices for casting on knit work. 3,234,759, 2-15–66, Cl. 66—1.

Larrieu, Leslie J., to Morris P. Kirk & Son, Inc. Zinc base alloy. 3,234,016, 2–8–66, Cl. 75—178.

Larrison, Millard S., to Weston Chemical Corp. Phosphorus trichloride - trimethylolalkane chloral reaction products. 3,285,998, 11–15–66, Cl. 260—920.

Larrouze, Raymond J. L., P. F. Gesta, P. J. M. Goussault, D. F. Winberg, and R. J. Robbins, to James S. Robbins and Associates, Inc. Shield tunneling method and mechanism. 3,266,257, 8–16–66, Cl. 61—85.

Larry, Timothy A., to Mueller Co. Line stopping and valve inserting apparatus and method. 3,227,011, 1–4–66, Cl. 77—39.

Larry, Timothy A., to Mueller Co. Line stopping and valve inserting apparatus and method. 3,240,380, 3–15–66, Cl. 220—25.

Larsen, Agnew E., to United States of America, Army. Emergency removal of aircraft sustaining means. 3,229,931, 1–18–66, Cl. 244—17.11.

Larsen, Carl F.: *See*—
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Larsen, Delmar H., to National Lead Co. Derivatives of graphitic oxide and carbon black and the use thereof as thickeners. 3,294,702, 12–27–66, Cl. 252—316.

Larsen, Dorwin R., to Caterpillar Tractor Co. Suspension system for vehicles. 3,254,738, 6–7–66, Cl. 180—9.2.

Larsen, Earl I., to P. R. Mallory & Co., Inc. Refractory metal composite. 3,272,603, 9–13–66, Cl. 29—191.

Larsen, Einer W.: *See*—
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Larsen, Elmer J.: *See*—
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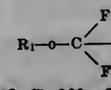
Larsen, Eric R., to The Dow Chemical Co. Iodine complexes of hexamethylenetetramine quaternary salts. 3,244,710, 4–5–66, Cl. 260—248.5.

Larsen, Eric R., to The Dow Chemical Co. 1,1,1,2-tetrafluoroethane anesthetic. 3,261,748, 7–19–66, Cl. 167—52.

Larsen, Eric R., to The Dow Chemical Co. Dichloro-difluoro ether. 3,264,356, 8–2–66, Cl. 260—614.

Larsen, Eric R., R. A. Davis, and J. R. Lacoume, to The Dow Chemical Co. Stabilization of haloalkanes with fluoroethers of the type



3,278,615, 10–11–66, Cl. 260—652.5.

Larsen, Ezra B.: *See*—
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Larsen, Gary V., and F. J. Skahill, to J. I. Case Co. Agricultural implement. 3,242,657, 3–29–66, Cl. 56—20.

Larsen, Gregory J., to Sicard Inc. Runway sweeper. 3,284,-831, 11–15–66, Cl. 15—82.

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Larsen, Lester J., C. M. Barnes, and H. E. Wortz, to Bendix Corp. Control system. 3,260,165, 7–12–66, Cl. 91—33.

Larsen, Louis L., to Texas Instruments Inc. Orbital-spin crystal pulling. 3,228,753, 1–11–66, Cl. 23—273.

Larsen, Ludolph C.: *See*—
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Blomquist, Arthur G., Larsen, Neuman and Wermager. 3,274,348.

Larsen, Norman B., to Chas. J. Webb, Sons Co., Inc. Method for protecting underground cable and determining leaks therein. 3,234,045, 2–8–66, Cl. 117—231.

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Larsen, Olaf E., to Phillips Petroleum Co. Rocket propulsion method using hydrocarbon fuels containing aminoalkyl acrylate polymers. 3,230,700, 1–25–66, Cl. 60—35.4.

Larsen, Olaf E., to Phillips Petroleum Co. Production of large slabs of plastic. 3,231,655, 1–25–66, Cl. 264—308.

Larsen, Olaf E., to Phillips Petroleum Co. Apparatus for impact extrusion. 3,239,881, 3–15–66, Cl. 18—12.

Larsen, Olaf E., to Phillips Petroleum Co. Extrusion apparatus. 3,266,097, 8–16–66, Cl. 18—30.

Larsen, Orvis V., and J. B. Lavigne, to Chevron Research Co. Cobalt concentration from cobalt sol by extraction. 3,290,-252, 12–6–66, Cl. 252—62.5.

Larsh, Everett P. Electric switch device having constant contact pressure. 3,293,398, 12–20–66, Cl. 200—165.

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Larson, Charles L., to Jeddeloh Bros. Sweed Mills, Inc. Sheet feeding apparatus. 3,232,607, 2–1–66, Cl. 271—64.

Larson, Charles L., to Jeddeloh Bros. Sweed Mills, Inc. Scissor-lift mechanism. 3,246,876, 4–19–66, Cl. 254—122.

Larson, Charles O. Folding leg assembly. 3,237,575, 3–1–66, Cl. 108—125.

Larson, Charles O., to Chas. O. Larson Co. Anchorage device. 3,248,996, 5–3–66, Cl. 85—9.

Larson, Charles O., to Chas. O. Larson Co. Folding leg assembly. 3,266,445, 8–16–66, Cl. 108—125.

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Larson, Charles O., to Chas. O. Larson Co. Hook staple. 3,279,300, 10–18–66, Cl. 85—28.

Larson, Charles O., to Chas. O. Larson Co. Folding sawhorse bracket. 3,289,789, 12–6–66, Cl. 182—226.

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Larson, Charles O. 3,266,445.
Larson, Charles O. 3,269,487.
Larson, Charles O. 3,279,300.
Larson, Charles O. 3,289,789.

Larson, Charles R., and J. J. Wallace. Bucket conveyors. 3,265,189, 8–9–66, Cl. 198—149.

Larson, Charles R., and J. J. Wallace. Tubular conveyors. 3,282,405, 11–1–66, Cl. 198—168.

Larson, Clayton E., to White Metal Rolling & Stamping Corp. Ladder rungs. 3,282,378, 2–1–66, Cl. 182—194.

Larson, Clayton E. Convertible ladder. 3,269,485, 8–30–66, Cl. 182—26.

Larson, Clayton E., to White Metal Rolling & Stamping Corp. Methods for fabricating lightweight metal ladders. 3,283,-402, 11–8–66, Cl. 29—512.

Larson, Craig W., to E. I. du Pont de Nemours and Co. Non-reflective coating composition containing finely divided polypropylene. 3,283,036, 11–1–66, Cl. 260—897.

Larson, Dale F., to General Motors Corp. Machine control with infra-red detector. 3,245,509, 4–12–66, Cl. 192—125.

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Larson, Daniel A., and G. W. Manning, Jr., to Westinghouse Electric Corp. High-output fluorescent lamp having means for maintaining a predetermined mercury vapor pressure during operation. 3,252,028, 5–17–66, Cl. 313—34.

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Larson, Eugene, and S. P. London, to National Industrial Equipment Co. Door air screen. 3,255,686, 6–14–66, Cl. 98—36.

Larson, George G. Pastry cutting apparatus. 3,286,349, 11–22–66, Cl. 30—292.

Larson, Harold A., to Phillips Petroleum Co. Overhead vapor condenser for cooling liquid for rotary pump seal. 3,228,-860, 1–11–66, Cl. 202—52.

Larson, Harold A., to Phillips Petroleum Co. Bag filtering process and apparatus. 3,243,940, 4–5–66, Cl. 55—96.

Larson, Jack E., to Brunswick Corp. Bowling alley gutter construction. 3,279,795, 10–18–66, Cl. 273—51.

Larson, John E., and J. G. Kuderna, Jr., to Shell Oil Co. Nematode control employing alkanesulfonic acids. 3,228,-827, 1–11–66, Cl. 167—30.

Larson, John R., to Universal Oil Products Co. Metal phthalocyanine catalyst preparation. 3,230,180, 1–18–66, Cl. 252—431.

Larson, John R., and C. M. Hayes, to Universal Oil Products Co. Curing of epoxy resins with N'N'-dialkyldiethylenetriamine. 3,280,043, 10–18–66, Cl. 260—2.

Larson, John R., and C. M. Hayes, to Universal Oil Products Co. Curing of isocyanate-terminated polyurethane polymers with N-monoalkyl aromatic diamines. 3,285,879, 11–15–66, Cl. 260—77.5.

Larson, Kenneth R., to Snap-On Tools Corp. Checking and testing devices for coil springs and the like. 3,253,463, 5–31–66, Cl. 73—161.

Larson, Kenneth R., to Snap-On Tools Corp. Apparatus for testing and checking measuring devices. 3,255,624, 6–14–66, Cl. 73—1.

Larson, Kenneth R., to Snap-On Tools Corp. Pre-set torque measuring device. 3,279,286, 10–18–66, Cl. 81—52.4.

Larson, Kenneth R., to Snap-On Tools Corp. Pre-set adjustable torque measuring device. 3,279,287, 10–18–66, Cl. 81—52.4.

Larson, Lester L. Pattern control device for spreaders. 3,232,627, 2–1–66, Cl. 275—15.

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Larson, Roger R. Razor blade having cam means on opposite sides of the cutting edge. 3,276,121, 10–4–66, Cl. 30—346.

Larson, Sherman L., to Sherman Car Wash Equipment Co. Actuator mechanism for car wash line controls. 3,236,960, 2–22–66, Cl. 200—61.41.

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Larson, Walter J., and H. D. Cook, to American Machine & Foundry Co. Lawn mower height adjusting apparatus. 3,292,351, 12–20–66, Cl. 56—25.4.

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Larson, William B., K. E. Spray, and T. W. Mueller, to General Motors Corp. Method of determining graphite shapes in nodular iron. 3,284,192, 11–8–66, Cl. 75—130.

Larson, William C., to Holley Carburetor Co. Manually actuated fluid operator valve. 3,258,229, 6–28–66, Cl. 244—134.

Larsson, Arve, to Sandvikens Jernverks Aktiebolag. Apparatus for cooling or heating material on a band conveyor. 3,280,590, 10–25–66, Cl. 62—380.

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LaRue, Mervin W., Jr., to Stewart-Warner Corp. Illumination means for facsimile transmitter. 3,278,681, 10–11–66, Cl. 178—7.1.

Larue, Pierre, to Office National d'Etudes et de Recherches Aerospatiales. Solid propellent rocket motors. 3,280,566, 10–25–66, Cl. 60—253.

Larue, Pierre, to Office National d'Etudes et de Recherches Aerospatiales (O.N.E.R.A.). Solid propellant rocket motors. 3,285,012, 11–15–66, Cl. 60—253.

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Lashua, Sherman C., B. B. Hibbard, and D. E. Ranck, to The Dow Chemical Co. Process for preparing water-soluble copolymers of acrylic acids and N-vinyl heterocyclic monomers in a halogenated hydrocarbon. 3,284,414, 11–8–66, Cl. 260—77.5.

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Leatham, Earl, A. H. Pack, and E. P. Weaver, to Harbison-Walker Refractories Co. Method of recovery of magnesian values. 3,275,410, 9–27–66, Cl. 23—201.

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Le Bus, Franklin L., Sr. 3,266,748.

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Leduc, Joseph A. M., to Pullman Inc. Fuel cell with movable casing and electrodes and method for operating fuel cell with an anode containing an alkaline earth metal. 3,294,586, 12–27–66, Cl. 136—86.

Leduc, Joseph A. M., to Pullman Inc. Fuel cell. 3,294,587, 12–27–66, Cl. 136—86.

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Lee, Harold G., and H. M. Allen, to Leupold and Stevens Instruments, Inc. Electro-mechanical readout device. 3,268,-712, 8–23–66, Cl. 235—92.

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Lehmann, Hellmuth, F. Grewe, and W. Lautenschlager, to Farbenfabriken Bayer Aktiengesellschaft. Zinc salts of alkylene-bis-dithiocarbamic acids. 3,294,829, 12–27–66, Cl. 260—429.9.
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Leib, Francis E., and J. G. Kura, to Copperweld Steel Co. Continuous cladding system for bimetallic rod. 3,281,918, 11–1–66, Cl. 29—33.
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Grosser, Frederick, and Leibowitz. 3,244,658.
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Leister, Karl, to Farbenfabriken Bayer Aktiengesellschaft. Continuously operating machine for mixing and/or reacting materials. 3,269,708, 8–30–66, Cl. 259—6.
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Leithauser, Horst, to Chemische Werke Huls Aktiengesellschaft. Process for the catalytic polymerization of polymerizable unsaturated compounds. 3,285,994, 11–15–66, Cl. 260—861.
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Lemelson, Jerome H. Combination tools. 3,227,012, 1–4–66, Cl. 77—65.
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Lemelson, Jerome H. Eraseable medium recording apparatus with information indexing. 3,227,805, 1–4–66, Cl. 178—6.6.
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Lemelson, Jerome H. Camera apparatus for producing a plane pictorial representation of a three dimensional surface. 3,244,065, 4–5–66, Cl. 88—24.
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Lemelson, Jerome H. Automatic production machine. 3,259,958, 7–12–66, Cl. 29—26.
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Leonards, Jack R., to Miles Laboratories, Inc. Method and composition for blood-sugar testing. 3,269,914, 8–30–66, Cl. 167—84.5.

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Leone, Nick A., 10% each to A. C. and A. A. Fell, and J. F. and B. J. Murray. Reciprocating piston rotating cylinder block rotary engine. 3,274,774, 9–27–66, Cl. 60—39.34.

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Leopold, Seymour. Veterinary animal restraining apparatus. 3,250,252, 5–10–66, Cl. 119—103.

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Leopold, Wilbur R., Jr., J. J. Smith, and L. F. Luckenbill, to Mueller Co. Method and apparatus for connecting a service line to a main without escape of fluid from the main to the atmosphere. 3,229,711, 1–18–66, Cl. 137—318.

Leopold, Wilbur R., Jr., and C. E. Floren, to Mueller Co. Transition fitting. 3,245,701, 4–12–66, Cl. 285—174.

Leopold, Wilbur R., Jr., and J. J. Smith, to Mueller Co. By-pass type meter setting. 3,272,009, 9–13–66, Cl. 73—201.

Leopold, Wilbur R., Jr., J. J. Smith, and L. F. Luckenbill, to Mueller Co. Drilling apparatus for connecting a service line to a main without escape of fluid from the main to the atmosphere. 3,272,033, 9–13–66, Cl. 77—40.

Leopold, Wilbur R., Jr., J. J. Smith, and L. F. Luckenbill, to Mueller Co. Main and service line connection embodying a self-tapping nipple and an excessive-flow safety valve-method and apparatus. 3,272,211, 9–13–66, Cl. 137—15.

Leostic, Joseph. Cit-Compagnie Industrielle des Telecommunications. Device for the stabilization of D. C. voltage. 3,286,157, 11–15–66, Cl. 323—18.

Leotta, Samuel S., to P. R. Mallory & Co., Inc. Rotating beacon lantern. 3,266,014, 8–9–66, Cl. 340—50.

Le Page, Gerard T., and W. S. Shee, to Scovill Mfg. Co. Pliers for attaching fasteners. 3,250,450, 5–10–66, Cl. 227—144.

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Lepelletier, Pierre A. G., to Societe Anonyme Francaise du Ferodo. Self-energizing, spot-type brake means. 3,259,214, 7–5–66, Cl. 188—152.

Lepelletier, Pierre A. G., to Societe Anonyme Francaise du Ferodo. Device for preventing locking of the rear brakes of an automotive vehicle. 3,260,557, 7–12–66, Cl. 303—49.

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Lepisto, John G., and W. J. Tilton, to Albemarle Paper Mfg. Co. Multi-ply bag and process for the manufacture thereof. 3,291,374, 12–13–66, Cl. 229—55.

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Lepselter, Martin P., to Bell Telephone Laboratories, Inc. Semiconductor contact. 3,274,670, 9–27–66, Cl. 29—155.5.

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Lerch, Hans W., to Fabrik Elektrischer Apparate Sprecher & Schuh A.-G. Gas-blast circuit breaker. 3,238,340, 3–1–66, Cl. 200—148.

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Lerch, Loren W., A. E. Eldridge, and H. T. Jakubowski, to Columbus McKinnon Corp. Ratchet plunger. 3,258,248, 6–28–66, Cl. 254—167.

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Lerer, Moise, to Institut Francais du Petrole des Carburants et Lubrifiants. Process for manufacturing phenolic resins. 3,287,317, 11–22–66, Cl. 260—57.

Lerer, Moise, to Institut Francais du Petrole des Carburants et Lubrifiants. Complex polyesters of polycarboxylic acids with hydroxyl compounds and metadioxanes. 3,287,319, 11–22–66, Cl. 260—75.

Lerich, Lester. Wedge type expansion bolt. 3,257,891, 6–28–66, Cl. 85—79.

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Lerman, Haroid, to General Precision Inc. Integrator. 3,284,620, 11–8–66, Cl. 235—183.

Lerman, Harold, N. A. Sanchirico, and J. P. Sputz, to General Precision Inc. Inertial navigation. 3,260,485, 7–12–66, Cl. 244—77.

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Lerman, Harold, and L. Ferrari, to General Precision Inc. Gyrocompassing system. 3,281,581, 10–25–66, Cl. 235—150.25.

Lerman, Samuel, to Milbern Foam Products Co. Laminated dart board having impact sound of cork board. 3,244,419, 4–5–66, Cl. 273—102.

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Lerner, Bernard J., to Dominion Gulf Co. Process for recovering metal chlorides from gaseous mixtures. 3,294,482, 12–27–66, Cl. 23—15.

Lerner, Bernard J., and C. J. Lewis, to Dominion Gulf Co. Sulfurous acid leaching and reductive chlorination of high melting metal-containing ores. 3,235,328, 2–15–66, Cl. 23—15.

Lerner, David S., to Hazeltine Research, Inc. H-plane reflex bend for a two layer pillbox antenna utilizing a plurality of holes to couple the layers. 3,255,456, 6–7–66, Cl. 343—780.

Lerner, David S., to Hazeltine Research, Inc. Mode-separation waveguide loaded with spaced metal discs and antennas using same. 3,259,903, 7–5–66, Cl. 343—778.

Lerner, David S., to Hazeltine Research, Inc. Polarization converter. 3,267,480, 8–16–66, Cl. 343—911.

Lerner, David S., to Hazeltine Research, Inc. Polarization-selective connecting circuits for impedance matching of array antennas. 3,270,346, 8–30–66, Cl. 343—777.

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Lerner, Hershey, to Automated Packaging Corp. Flexible container strips. 3,254,828, 6–7–66, Cl. 229—53.

Lerner, Irwin S., and K. J. Sundheimer, to Clay-Adams, Inc. Sealing means for tubes. 3,234,593, 2–15–66, Cl. 18—1.

Lerner, Julius, to Sun Oil Co. Stream moisture indicator. 3,257,842, 6–28–66, Cl. 73—53.

Lerner, Julius, to Sun Oil Co. Stream moisture indicator. 3,263,492, 8–2–66, Cl. 73—53.

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Lerner, Nathan B. Protective cover for dispensing valve assembly. 3,235,131, 2–15–66, Cl. 222—182.

Lerner, Nathan B. Means for treating the contents of a pressurized aerosol-type dispenser for heating or cooling prior to discharge of same. 3,241,723, 3–22–66, Cl. 222—146.

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Leroy, Pierre, and R. Simon, to Compagnie des Ateliers et Forges de la Loire (St. Chamond-Firminy-St. Etienne-Jacob-Holtzer). Method of casting and firing a layered ceramic article. 3,275,721, 9–27–66, Cl. 264—60.

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Lerwill, William E., and N. A. Anstey, to Continental Oil Co. Methods of and apparatus for measuring the travel times of vibrations in the earth's crust. 3,273,113, 9–13–66, Cl. 340—15.5.

Lerwill, William E., and N. A. Anstey, to Seismograph Service Corp. Methods of and apparatus for measuring distances. 3,276,015, 9–27–66, Cl. 343—6.5.

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Lescher, George W. Device for generating the subjective effect of color. 3,278,182, 10–11–66, Cl. 272—8.

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Lesher, John C., to Rad-O-Lite, Inc. Traffic light control system. 3,255,432, 6–7–66, Cl. 340—35.

Lesher, John C., to Rad-O-Lite, Inc. Traffic light controller. 3,255,433, 6–7–66, Cl. 340—37.

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Lesley, Bascum G., to Deering Milliken Research Corp. Method for preparing knit fabrics. 3,277,673, 10–11–66, Cl. 66—86.

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Leslie, Donald J. Apparatus for producing a derivative celeste or chorus rank for electronic organs. 3,251,924, 5–17–66, Cl. 84—1.24.

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Leslie, John C. L., to Educational Research Associates, Inc. Teaching machine with programmed multiple track film. 3,284,923, 11–15–66, Cl. 35—8.

Leslie, John H., and H. C. Lingle, to Signode Corp. Power strap tensioning tool. Re. 26,114, 11–22–66, Cl. 140—123.6.

Leslie, John S., and J. T. Muller, to Leslie Co. Blending hot water heater. 3,232,336, 2–1–66, Cl. 165—38.

Leslie, Kenneth G., to General Motors Corp. Gas turbine fuel and power regulating system. 3,266,248, 8–16–66, Cl. 60—39.16.

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Leslie, William H. P., and J. J. Hunter, to National Research Development Corp. Electrical measurement of a physical quantity. 3,230,772, 1–25–66, Cl. 73—362.

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Lesser, Norton. Teflon coated contact separator. 3,239,628, 3–8–66, Cl. 200—104.

Lesser, Norton. Contact operator. 3,239,629, 3–8–66, Cl. 200—104.

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Lessheim, Arno. "Octopus" pallet. 3,267,884, 8–23–66, Cl. 108—54.

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Leston, Gerd, to Koppers Co., Inc. Ortho-alkylation process. 3,267,155, 8–16–66, Cl. 260—619.

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Le Suer, William M., to The Lubrizol Corp. Basic mixtures of metal salts and lubricants containing them. 3,232,883, 2–1–66, Cl. 252—32.5.

Le Suer, William M., to The Lubrizol Corp. Boron-containing acylated amine and lubricating compositions containing the same. 3,254,025, 5–31–66, Cl. 252—32.7.

Le Suer, William M., to The Lubrizol Corp. Lubricant containing acylated amine-carbon disulfide product. 3,256,185, 6–14–66, Cl. 252—32.7.

Le Suer, William M., to The Lubrizol Corp. Reaction of phosphorus trichloride with chlorinated hydrocarbon polymers of lower mono-olefins. 3,259,654, 7–5–66, Cl. 260—543.

Le Suer, William M., to The Lubrizol Corp. Phosphorus containing lower mono-olefin polymers and their production via reaction of the polymer with phosphorus trichloride. 3,259,655, 7–5–66, Cl. 260—543.

Le Suer, William M., to The Lubrizol Corp. Reaction of phosphorus trichloride with chlorinated hydrocarbon polymers of lower mono-olefins. 3,259,656, 7–5–66, Cl. 260—543.

Le Suer, William M., to The Lubrizol Corp. Organic phosphate complexes. 3,260,622, 7–12–66, Cl. 148—6.15.

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Le Suer, William M., to The Lubrizol Corp. Reaction product of certain acylated nitrogen containing intermediates and a boron compound. 3,281,428, 10–25–66, Cl. 260—326.3.

Le Suer, William M., to The Lubrizol Corp. Reaction products of acylated nitrogen intermediates and a boron compound. 3,282,955, 11–1–66, Cl. 260—326.3.

Le Suer, William M., and G. R. Norman, to Lubrizol Corp. Lubricating composition containing an acylated nitrogen compound. 3,272,746, 9–13–66, Cl. 252—47.5.

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Levecque, Marcel, M. Mabru, and M. Charpentier, to Saint-Gobain, de Compagnie. Apparatus for producing fibers from thermoplastic material. 3,285,723, 11–15–66, Cl. 65—15.

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Levey, John, and J. Pylant. Selective heating and drawing of plastics. 3,244,779, 4–5–66, Cl. 264—89.

Levey, John, and J. Pylant. Differential heating and drawing of plastics. 3,244,780, 4–5–66, Cl. 264—89.

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Levey, Ralph P., Jr., and R. L. Huddleston, to United States of America, Atomic Energy Commission. Pressure vessel seal. 3,266,095, 8–16–66, Cl. 18—16.

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Levi, Irving, and J. W. R. Weed, to Charles E. Frosst & Co. N-acyl-a-amino acid amides. 3,235,594, 2–15–66, Cl. 260—558.

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Le Vine, Sidney. Electrotherapeutic facial mask apparatus. 3,279,468, 10–18–66, Cl. 128—410.

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Levitt, Milton R., to The Scholl Mfg. Co., Inc. Molding composition containing cork filler and method for preparing same. 3,244,649, 4–5–66, Cl. 260—17.4.

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Levoin, Francis, to IDEAL s.r.l. Minuterie Metalliche. Push button operating device for ball point pens. 3,289,638, 12–6–66, Cl. 120—42.03.

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Levy, Dale F., and D. W. Gagle, to Phillips Petroleum Co. Bitumen impregnated cellular expansion joint sealers. 3,257,336, 6–21–66, Cl. 260—2.5.

Levy, David. Method of sewing a footwear construction. 3,291,085, 12–13–66, Cl. 112—262.

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Levy, Edward D., to Union Carbide Corp. Infant car seat. 3,245,717, 4–12–66, Cl. 297—254.

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Levy, Eric H., to The Bendix Corp. Light actuated rotational transmitter. 3,239,734, 3–8–66, Cl. 318—23.

Levy, Eugene J., L. F. Herk, W. H. Stahl, and D. M. G. Lawrey. Automatic fraction collecting system for vapor phase chromatography. 3,229,501, 1–18–66, Cl. 73—23.1.

Levy, Eugene J., and L. Mikkelsen, to Hewlett-Packard Co. Detection method and apparatus for gas chromatograph. 3,257,847, 6–28–66, Cl. 73—23.1.

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Levy, George A. Football trophy. 3,231,993, 2–1–66, Cl. 40—68.

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Levy, Marvin E., J. B. Quinlan, W. White, and E. F. Van Artsdalen, to United States of America, Army. Cartridge with improved vibration resistance for propellant actuated devices. 3,242,864, 3–29–66, Cl. 102—39.

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Levy, Maurice M. Apparatus and method for sorting flat articles. 3,261,464, 7–19–66, Cl. 209—72.

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Lew, Henry Y., to Chevron Research Co. Detergent bars having good sudsing and lime soap dispersant characteristics. 3,232,879, 2–1–66, Cl. 252—121.

Lew, Henry Y., to Chevron Research Co. Low foaming compositions having good detersive properties. 3,285,856, 11–15–66, Cl. 252—152.

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Lewandowski, Raymond F., to Oak Electro/Netics Corp. Molded plastic switch with inwardly projecting contacts and rotor repositioning structure. 3,254,164, 5–31–66, Cl. 200—11.

Lewandowski, Raymond F., B. J. Golbeck, and H. G. Garn, to Oak Electro/Netics Corp. Multi-section rotary switch unitary index mechanism with improved spring biased detent ball and adjustable stop limit structure. 3,293,382, 12–20–66, Cl. 200—14.

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Lewin, Morton H., to Radio Corp. of America. Unidirectional signal propagation circuit including negative resistance elements. 3,230,385, 1–18–66, Cl. 307—88.5.

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Lewis, Albert E., to A. O. Smith Corp. Electrical responsive controls for prime mover dynamo plants. 3,287,565, 11–22–66, Cl. 290—40.

Lewis, Armand F., to American Cyanamid Co. Adhesionable polyolefin blends. 3,291,861, 12–13–66, Cl. 260—876.

Lewis, Armand F., and W. B. Ramsey, to American Cyanamid Co. Adhesive composition for metal to metal structural applications comprising a polyurethane resin and a monomeric glycidyl ester. 3,290,208, 12–6–66, Cl. 161—190.

Lewis, Arnold J. Double-hinged switch operating mechanism. 3,227,829, 1–4–66, Cl. 200—47.

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Lewis, Charles E., to American Cynamid Co. 1-amino-2-[2-(2-cyanoethoxy)ethoxy] - 4 - hydroxyanthraquinone. 3,264,325, 8–2–66, Cl. 260—380.

Lewis, Clarence A., and J. F. O'Brien, to Champlain Co., Inc. Registration system for a moving web. 3,264,983, 8–9–66, Cl. 101—181.

Lewis, Clarence A., Jr., and J. F. O'Brien, to Champlain Co. Inc. Register control system for a moving web. 3,276,647, 10–4–66, Cl. 226—31.

Lewis, Clarence A., Jr., and J. F. O'Brien, to Champlain Co., Inc. Intermittent web feed mechanism with trigger stop. 3,276,648, 10–4–66, Cl. 226—33.

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Lewis, George D., and B. A. Jones. Diver-down flag float. 3,280,789, 10–25–66, Cl. 116—124.

Lewis, George E., to Tecumseh Products Co. Coupling. 3,245,085, 4–5–66, Cl. 74—665.

Lewis, Gerald F., to A. J. Campbell. Self-locking awning-type metal windows. 3,257,755, 6–28–66, Cl. 49—85.

Lewis, Gerald F., to Roll-on-Roadways, Inc. Trackage for miniature automobiles and the like. 3,276,393, 10–4–66, Cl. 104—149.

Lewis, Harry M., to Modern Engraving and Machine Co. Making accurately registrable printing and embossing rolls. 3,265,500, 8–9–66, Cl. 96—37.

Lewis, Harry M., to Modern Engraving and Machine Co. Embossing mill registration locking device. 3,292,403, 12–20–66, Cl. 72—81.

Lewis, Harry M., and W. H. Rohloff, to Modern Engraving and Machine Co. Manufacturing embossing matrix with stucco or like pattern. 3,257,251, 6–21–66, Cl. 156—8.

Lewis, Herbert, and M. Levy. Container for textile tapes, ribbons and the like. 3,232,023, 2–1–66, Cl. 53—29.

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West, Adrian W., and Lewis. 3,283,601.

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Lewis, John G. Method of making shielding for high temperature furnace. 3,234,640, 2–15–66, Cl. 29—416.

Lewis, John P. H. V. C. Razor with relative blade and guard adjustment with protecting means for one edge of a double-edged blade. 3,229,367, 1–18–66, Cl. 30—69.

Lewis, Joseph. Convertible vehicle trailer. 3,288,516, 11–29–66, Cl. 296—23.

Lewis, Karl R., to Browning Industries, Inc. Cylinder ratchet mechanism for revolver type firearms. 3,237,336, 3–1–66, Cl. 42—59.

Lewis, Karl R. Revolver type firearm with interchangeable barrels and cylinders. 3,280,495, 10–25–66, Cl. 42—59.

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Lewis, Kenneth D., H. V. Veum, R. J. Lightcap, and E. S. Sawyer. Method and apparatus for hydrostatic spraying. 3,236,455, 2–22–66, Cl. 239—11.

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Lewis, Kenneth R., to The Goodyear Tire & Rubber Co. Tubeless tires. 3,245,455, 4–12–66, Cl. 152—356.

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Coates, Clarence L., Jr., and Lewis. 3,237,112.
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Lewis, Robert B.. Container. 3,257,154, 6–21–66, Cl. 312—198.

Lewis, Robert B. Display device. 3,269,578, 8–30–66, Cl. 220—4.

Lewis, Robert E. Ski pole strap attachment. 3,232,632, 2–1–66, Cl. 280—11.37.

Lewis, Robert F., to Prodelin, Inc. Tunable whip antenna with combined loading coil and shock spring. 3,249,945, 5–3–66, Cl. 343—749.

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Lewis, Walter E. F.: *See*—
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Lewis, Walter E., to General Electric Co. Self-cleaning conversion means for domestic oven. 3,286,080, 11–15–66, Cl. 219—393.

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Lewis, Warren J., and J. S. Thompson, to The Ohio Brass Co. Hydraulic support prop. 3,281,108, 10–25–66, Cl. 248—354.

Lewis, William B., to United States of America, Atomic Energy Commission. Calorimeter capable of separately determining neutron energy absorption and gamma energy absorption. 3,246,153, 4–12–66, Cl. 250—83.3.

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Lewis, William H. Road building machine. 3,257,917, 6–28–66, Cl. 94—39.

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Lewis, William R., W. W. Farrar, and J. R. Lindley, to Kiva Corp. Compression and tension set packer. 3,252,517, 5–24–66, Cl. 166—134.

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Leydig, Clyde O., and Y. Michelson. Saw shaft assembly. 3,244,203, 4–5–66, Cl. 143—155.

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Libman, Nelson A., to Metal Blast, Inc. Abrasive material. 3,259,529, 7–5–66, Cl. 148—39.

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Lien, Dallas H., to Western Electric Co., Inc. Frequency multiplier circuit. 3,274,481, 9–20–66, Cl. 321—68.

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Lien, Harold G., to Lien's Inc. Bead expander. 3,241,593, 3–22–66, Cl. 157—1.21.

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Ligon, Woodfin V., Jr., to J. B. Wall, Jr. Reel clamp for strip ends. 3,250,487, 5–10–66, Cl. 242—74.2.

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Limberger, Walter, to Lumoprint Zindler KG. Apparatus for manufacturing copies. 3,255,663, 6–14–66, Cl. 88—24.

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Limberger, Walter, to Lumoprint Zindler KG. Photographic developing apparatus. 3,273,485, 9–20–66, Cl. 95—89.

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Limon, Jose P., to Auto-Tronic Control Co., Inc. Time delay system. 3,254,871, 6–7–66, Cl. 251—129.

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Lin, Hung C., and P. F. Pittman, to Westinghouse Electric Corp. Constant current biasing circuit. 3,280,338, 10–18–66, Cl. 307—88.5.

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Lindberg, John E., Jr. Nose-cone cooling of space vehicles. 3,267,857, 8–23–66, Cl. 102—92.5.
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Lindemann, Hans, to Th. Calow & Co. Method and apparatus for disposing of chips from cutting machine tools. 3,252,789, 5–24–66, Cl. 75—43.
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Lindner, Paul, to Witco Chemical Co., Inc. Preparation of amides of hydroxy non-tertiary amines. 3,257,437, 6–21–66, Cl. 260—404.
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Fischer, Eugene M., and Linn. 3,256,304.
Linn, Frank F. Wheel suspension for vehicles. 3,263,984, 8–2–66, Cl. 267—58.
Linn, Wallace L.: *See*—
Dotto, Gianni A., and Linn. 3,271,541.
Linn, William J.: *See*—
Graham, Peter J., Linn, and Middleton. 3,282,961.
Linn, William J., to E. I. du Pont de Nemours and Co. Polycyano-2,5-dihydrofurans and their preparation. 3,235,565, 2–15–66, Cl. 260—346.1.
Linn, William J., to E. I. du Pont de Nemours and Co. 1,2-dicyanooxiranes. 3,238,228, 3–1–66, Cl. 260—348.
Linn, William J., to E. I. du Pont de Nemours and Co. Preparation of fluoro-containing lactones and unsaturated acids. 3,271,419, 9–6–66, Cl. 260—343.9.
Linna, Eino W., to The Bastian Blessing Co. Double check valve. 3,283,778, 11–8–66, Cl. 137—512.3.
Linnander, Carl E., to Pullmax Aktiebolag. Machine for the manufacture of beams and the like. 3,291,360, 12–13–66, Cl. 228—44.
Linne, Burton D., to Austin Continental Industries, Inc. Portable washer for mugs and steins. 3,286,291, 11–22–66, Cl. 15—76.
Linnehan, Hildegarde B. Portable bathing appliance for therapeutic use. 3,281,864, 11–1–66, Cl. 4—161.
Linney, Robert J., to Reserve Mining Co. Method of indurating ore particles. 3,244,507, 4–5–66, Cl. 75—3.
Linney, Robert J., to Reserve Mining Co. Apparatus for indurating ore particles. 3,288,449, 11–29–66, Cl. 263—28.
Lino, Edward P. Weed puller. 3,246,877, 4–19–66, Cl. 254—132.
Linotype G.m.b.H.: *See*—
Debus, Karl. 3,274,876.
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Starck, Leon. 3,273,791.
Linotype and Machinery Ltd.: *See*—
Fielding, Raymond G. 3,237,509.
Linowiecki, Anthony G., to John H. Brickley. Overload device. 3,262,581, 7–26–66, Cl. 212—132.
Linquist, Lester L.: *See*—
Belke, William E. 3,294,668.
Belke, William E., and Linquist. 3,272,733.
Lins, Stanley J., to Sperry Rand Corp. Electrical circuitry and method. 3,236,707, 2–22–66, Cl. 156—3.
Lins, Stanley J., to Sperry Rand Corp. Magneto-optic readout system. 3,268,879, 8–23–66, Cl. 340—174.1.
Linsay, Michael, to C & M Industrial Associates, Inc. Selective four-wheel steering mechanism. 3,279,813, 10–18–66, Cl. 280—91.
Linse, LaVern L.: *See*—
Appeldorn, Roger H., Schwartz, and Linse. 3,234,868.
Linsenbardt, Aldo E., to Westinghouse Electric Corp. Periodic variations of waveguide transmission by use of rotating rutile loading member. 3,284,729, 11–8–66, Cl. 333—98.
Linsk, Joseph: *See*—
Chodroff, Saul, Linsk, and Zale. 3,270,061.
Linsley, Clarence R., to General Precision, Inc. Multi-turn stop mechanism. 3,293,925, 12–27–66, Cl. 74—10.2.
Linsley, Douglas F. Rudder and stabilizer attachment for outboard motors. 3,285,219, 11–15–66, Cl. 115—18.
Linsley, Seymour G.: *See*—
Soloff, Robert S., and Linsley. 3,284,257.
Linsley, Seymour G., and J. E. Di Meglio, to Branson Instruments, Inc. Apparatus for sealing polymeric sheet material by ultrasonic energy. 3,294,616, 12–27–66, Cl. 156—580.
Linstead, Lorraine A. Hand knitting apparatus. 3,280,595, 10–25–66, Cl. 66—117.
Linstromberg, William J., to Whirlpool Corp. Ice cube maker having motor operated ejector fingers. 3,276,225, 10–4–66, Cl. 62—353.
Linstromberg, William J., to Whirlpool Corp. Ice body maker with bin control. 3,280,578, 10–25–66, Cl. 62—137.
Lint, Robert R., to Avia-Marine Co., Inc. Door latch. 3,269,762, 8–30–66, Cl. 292—169.
Linthicum, Harley and W. A., to Carrier Corp. Tube expansion tool. 3,247,695, 4–26–66, Cl. 72—122.
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Linthicum, Harley and W.A. 3,247,695.
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Linton, Alfred. Electric cells. 3,288,651, 11–29–66, Cl. 136—107.
Linton, Donald L. Standable paste dispenser tube. 3,236,417, 2–22–66, Cl. 222—92.
Linton, Lloyd H.: *See*—
Mika, Claude E., Linton, and Wilson. 3,272,014.
Linton, Robert W.: *See*—
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Linton, Roscoe, to The T. Sisman Shoe Co. Ltd. Ventilated shoe. 3,256,621, 6–21–66, Cl. 36—3.
Linton, Walter L.: *See*—
Keeping, Patrick A. T., Linton, and Havard. 3,271,021.
Linton, William C., to Fuse Indicator Corp. Fuseholder. 3,268,693, 8–23–66, Cl. 200—133.
Linton, William R.: *See*—
Gilmont, Roger, and Linton. 3,268,203.
Linton-Smith, Lois: *See*—
Hansen, Poul M. T., and Linton-Smith. 3,271,165.
Lintz, Mark. Preparation of fluorspar. 3,276,860, 10–4–66, Cl. 75—55.
Linvill, John G. Reading aid for the blind. 3,229,387, 1–18–66, Cl. 35—35.
Linville, Frank A. Stress sensor and stress sensing system. 3,269,174, 8–30–66, Cl. 73—88.5.
Linville, Richard D. Method and apparatus for mixing and blending. 3,245,584, 4–12–66, Cl. 222—57.
Linville, Talmage V., Jr. Musical instrument support. 3,266,766, 8–16–66, Cl. 248—359.
Linz, Robert M., and A. Csicsatka, to General Electric Co. Receiver circuit for stereo separation. 3,272,922, 9–13–66, Cl. 179—15.
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Lion, Kurt S. Multi-arm transducer bridge. 3,260,934, 7–12–66, Cl. 324—57.
Lion, Kurt S. Transducer bridge circuit utilising stagger tuned resonant circuits to obtain a linear D.C. output with a changing input frequency. 3,260,935, 7–12–66, Cl. 324—57.
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Seiden, Herman L. 3,242,746.
Seiden, Herman L. 3,273,571.
Seiden, Herman L. 3,279,574.
Lion Research Corp.: *See*—
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Vanderschmidt, George F. 3,277,715.
Vanderschmidt, George F. 3,278,837.
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Tomaro, Patrick M., Jr. 3,233,476.
Tomaro, Patrick M., Jr. 3,234,418.
Tomaro, Patrick M., Jr. 3,241,385.
Lionel Electronic Laboratories, Inc.: *See*—
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Lionel Toy Corp., The: *See*—
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Lipe, Gordon C., and C. W. Hinds. Ski binding release checking device. 3,289,472, 12–6–66, Cl. 73—133.

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Lakins, Franklin D., and Lanphere. 3,244,042.
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Romano, Lewis A. 3,253,488.

Lipetz, Nathan, and C. D. Neudorfer, to United States of America, Army. Waveguide transition between rectangular and circular waveguides. 3,230,484, 1–18–66, Cl. 333—21.

Lipinski, John E. Foot cover. 3,274,709, 9–27–66, Cl. 36—10.

Lipinski, Richard J., to Lord Corp. Metal cleaning and treating compositions. 3,239,467, 3–8–66, Cl. 252—144.

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Szarvasi, Etienne, and Neuvy. 3,282,964.
Szarvasi, Etienne, and Neuvy. 3,282,965.

Lipic, Joseph G.: *See*—
Miller, Louis W., Lipic, and Wolff. 3,257,698.

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Miller, Louis W., Lipic, and Wolff. 3,257,698.

Lipinski, Henry S., to United States of America, Army. Gun launched terminal guided projectile. 3,282,540, 11–1–66, Cl. 102—50.

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Lipka, David H., and G. Finkel, to DCA Food Industries, Inc. Comestible coating composition and method of producing same. 3,236,654, 2–22–66, Cl. 99—93.

Lipkin, Martin. Personal inflatable safety device. 3,243,822, 4–5–66, Cl. 2—2.

Lipkin, Moses R., to Sun Oil Co. Production of heating gas. 3,236,615, 2–22–66, Cl. 48—211.

Lipkin, Sol. Cap. 3,247,523, 4–26–66, Cl. 2—197.

Lipking, Henry P., to D. D., C. L. and J. C. Andresen. Jamb type hinge for overhead doors. 3,254,364, 6–7–66, Cl. 16—180.

Lipkins, Morton S. Methods and apparatus for surfacing spherical objects. 3,283,445, 11–8–66, Cl. 51—73.

Lipman, Jerome S.: *See*—
Greenberg, Edmond L., Holloway, and Lipman. 3,238,795.

Lipman, Kenneth, to Westinghouse Electric Corp. Isolated multiple output circuit. 3,291,999, 12–13–66, Cl. 307—88.

Lipman, Leonard M.: *See*—
Boassy, Emil J., and Lipman. 3,293,803.

Lipow, Joseph H.: *See*—
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Lipp, George D.: *See*—
Eck, Roger D., and Lipp. 3,245,769.

Lipp, George D., to Corning Glass Works. Glass stream feeder. 3,271,125, 9–6–66, Cl. 65—145.

Lipp, Melbourne A.: *See*—
Breek, Frank C., Gray, and Lipp. 3,226,974.

Lipp, Willi. Device for the automatic displacement of the movable coupling-pieces from the clutches of a coupling, wrenches or the like. 3,247,938, 4–26–66, Cl. 192—105.

Lippard, Herman I. Method of printing tags. 3,253,543, 5–31–66, Cl. 101—426.

Lippert, Axel, and E. Muschelknauts, to Farbenfabriken Bayer Aktiengesellschaft. Process for automatically separating a column of granular or pulverulent material. 3,240,531, 3–15–66, Cl. 302—24.

Lippert, Axel, R. Erdmenger, and E. Muschelknautz, to Farbenfabriken Bayer Aktiengesellschaft. Process and apparatus for wetting of dry powdered substances. 3,251,550, 5–17–66, Cl. 239—4.

Lippert, Walter, and G. Verheyen, to Babcock & Wilcox Ltd. Apparatus for and a method of cooling superheated steam. 3,279,441, 10–18–66, Cl. 122—459.

Lippes, Jack. Intrauterine device. 3,250,271, 5–10–66, Cl. 128—130.

Lippincott, Holland S., to Philco Corp. Refrigeration system including bypass control means. 3,243,970, 4–5–66, Cl. 62—197.

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Morway, Arnold J., Bartlett, and Lippincott. 3,287,405.

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Harris, Roy J. T., and Lippincott. 3,284,667.

Lippitz, Frans: *See*—
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Lippman, Alfred, Jr.: *See*—
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Lippman, Hans-Joachim: *See*—
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Lippman, Myron E., to General Scientific Corp. Coupling device. 3,268,044, 8–23–66, Cl. 192—84.

Lippman, Myron E. Controlled environment capacitive element. 3,284,682, 11–8–66, Cl. 317—245.

Lippman, Robert L. Teaching aid using transparent overlays of different colors. 3,287,827, 11–29–66, Cl. 35—9.

Lippmann, Hans J.: *See*—
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Lippmann, Raymond J., to Owens-Illinois Glass Co. Glass feeding. 3,230,060, 1–18–66, Cl. 65—32.

Lippmann, Raymond J., and E. H. Mumford, to Owens-Illinois, Inc. Apparatus and method for press molding glass articles. 3,291,588, 12–13–66, Cl. 65—75.

Lippmeier, Charles S. Thumb screw tack. 3,277,769, 10–11–66, Cl. 85—44.

Lippoldt, Richard F.: *See*—
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Lippoldt, Richard F., to Continental Oil Co. Wax compositions of improved hardness and tensile strength and process for preparing same. 3,288,620, 11–29–66, Cl. 106—271.

Lipps, Benjamin J., Jr., to Esso Production Research Co. Fermentation process for preparing polysaccharides. 3,251,749, 5–17–66, Cl. 195—31.

Lipps, Benjamin J., Jr., to Esso Production Research Co. Fermentation process for producing a heteropolysaccharide. 3,281,329, 10–29–66, Cl. 195—31.

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Roe, Charles C. 3,280,928.

Lips, Theodoor M. A.: *See*—
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Wilson, Edward L., Jr., and Lipscomb. 3,267,020.

Lipsey, Goldner F., to General Electric Co. Combined gasket and grounding device for bushings. 3,278,883, 10–11–66, Cl. 339—14.

Lipshutz, Joseph, to Schaevitz Engineering. Rotary differential transformer. 3,273,096, 9–13–66, Cl. 336—30.

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Lipske, Benjamin B., to National Can Corp. Can. 3,261,497, 7–19–66, Cl. 220—47.

Lipton, Sydney, M. W. Belaga, and J. L. Bryan, Jr., to Esso Research and Engineering Co. Process and apparatus for emulsifying butyl rubber. 3,243,400, 3–29–66, Cl. 260—29.7.

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Coleman, Richard J., and Creswick. 3,253,931.
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Richards, George B. 3,230,966.
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Richards, George B. 3,236,493.
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Liquidometer Corp., The: *See*—
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Liquori, Alfonso M., to Colgate-Palmolive Co. Chemical process and catalyst therefor. 3,280,207, 10–18–66, Cl. 260—675.5.

Lirones, Nick G., to Howe Sound Co. Precision casting mold and methods and materials for production and use. 3,239,897, 3–15–66, Cl. 22—196.

Lirones, Nick G., to Howe Sound Co. Precision mold and method of fabrication. 3,241,200, 3–22–66, Cl. 22—196.

Lirones, Nick G., to Howe Sound Co. Ceramic, multilayer graphite mold and method of fabrication. 3,248,763, 5–3–66, Cl. 22—129.

Lirones, Nick G., to Howe Sound Co. Mold and method of fabrication. 3,256,574, 6–21–66, Cl. 22—196.

Lirones, Nick G., to Howe Sound Co. Apparatus for the production of ceramic, cermet, and metal components. 3,263,957, 8–2–66, Cl. 249—134.

Lirones, Nick G., to Howe Sound Co. Graphite mold and fabrication method. 3,266,106, 8–16–66, Cl. 22—129.

Lisanke, Robert J., Sr.: *See*—
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Lischka Mfg. Co., Inc.: *See*—
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Liscio, Maurice F., to S-F-D Laboratories, Inc. Reverse magnetron with slot mode absorber. 3,231,781, 1–25–66, Cl. 315—39.53.

Lisec, Bernhard, to Vita Zahnfabrik H. Rauter K.G. Apparatus for the manufacture of artificial teeth. 3,254,370, 6–7–66, Cl. 18—30.

Lish, Henry, to Yearounder Hats, Inc. Convertible hat. 3,242,501, 3–29–66, Cl. 2—196.

Lish, Henry, to Yearounder Hats, Inc. Hat base. 3,276,039, 10–4–66, Cl. 2—183.

Liska, John, and C. A. King, to The Bendix Corp. Instrument for providing pulses at desired intervals. 3,250,923, 5–10–66, Cl. 307—88.5.

Liska, John W., to The Firestone Tire & Rubber Co. Tires. 3,253,637, 5–31–66, Cl. 152—357.

Liskey, George W., to FMC Corp. Vehicle supporting rack. 3,294,367, 12–27–66, Cl. 254—88.

Lisle, Claude K., to United States of America, Navy. Electronically actuated switch. 3,243,666, 3–29–66, Cl. 317—149.

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Lissac, Georges H. E. Ophthalmic lens mounting with resilient strip adhesively bonded to upper lens edge and grooved frontal bar. 3,243,249, 3–29–66, Cl. 351—154.

Lissau, Frederic. Hydraulic positioning servo system. 3,283,669, 11–8–66, Cl. 91—388.

Lissner, Hans. Process of manufacturing sacks. 3,237,534, 3–1–66, Cl. 93—35.

List, Frederick E.: *See*—
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List, Hans: *See*—
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Lister, Charles R. Freight car grain door. 3,263,734, 8–2–66, Cl. 160—113.

Lister, George H., to Hunter Mfg. Co. Transistor ignition system. 3,260,299, 7–12–66, Cl. 158—28.

Lister, Glenn F. Mold for precast concrete step construction. 3,281,110, 10–25–66, Cl. 249—14.

Lister, Leslie, and A. Thompson, to Aluminium Laboratories Ltd. Crown closures. 3,273,736, 9–20–66, Cl. 215—40.

Lister, Paul J., and A. Krynytzky, to The B. F. Goodrich Co. Hose curing unit. 3,241,181, 3–22–66, Cl. 18—6.

Lister, Robert D., R. N. Kemp, and H. A. Wilkins, to National Research Development Corp. Braking of motor vehicles. 3,276,822, 10–4–66, Cl. 303—24.

Listner, Gregory J., to Johnson & Johnson. Stabilized polyolefin compositions containing (A) P-octyl phenyl salicylate, (B) 2,6 di-t-butyl-P cresol, (C) di-lauryl thiodipropionate and (D) a chlorinated polyphenyl and method of making same. 3,277,046, 10–4–66, Cl. 260—45.85.

Liston, Max D., to Beckman Instruments, Inc. Infrared detector and method utilizing a gas of small molecular size to be diffused into the detector. 3,227,873, 1–4–66, Cl. 250—43.5.

Liston, Max D., and J. G. Myers, to Beckman Instruments, Inc. Infrared analyzer with means responsive to a detector output to control radiant energy emission from a reference source. 3,234,380, 2–8–66, Cl. 250—43.5.

Liszewski, Walter A., and R. C. Young, to Horton Mfg. Co., Inc. Clutch and brake with stationary fluid motor. 3,250,353, 5–10–66, Cl. 192—18.

L'Italien, Yvon J., to Parke, Davis & Co. α-Amine-p-methoxyisobutyrophenone and salts thereof. 3,278,600, 10–11–66, Cl. 260—570.5.

L'Italien, Yvon J., and A. Campbell, to Parke, Davis & Co. 4-phenoxy piperidines; α-phenoxy piperidienes. 3,260,723, 7–12–66, Cl. 260—296.7.

Litchard, Alexander. Container filling machine. 3,289,710, 12–6–66, Cl. 141—116.

Litchfield, Kenneth W., and J. A. Smith, to Automatic Electric Laboratories, Inc. Bobbin and core assembly. 3,238,485, 3–1–66, Cl. 336—198.

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Leonard, Robert F. 3,284,202.
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Meckler, Gershon. 3,268,720.
Meckler, Gershon. 3,277,954.

Lithoplate, Inc.: *See*—
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Litke, Alvin C.: *See*—
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Litke, Alvin C., to Allied Chemical Corp. Dyeing cellulosic material with naphthotriazo-disulfostilbene azoacylacetarylide sulfonic acids. 3,238,009, 3–1–66, Cl. 8—7.

Litman, Alan L. Waterless egg cooker. 3,227,065, 1–4–66, Cl. 99—341.

Litman, Alan L. Thermal environmental control apparatus. 3,227,207, 1–4–66, Cl. 165—11.

Litman, Alan L. Aerosol safety device. 3,258,172, 6–28–66, Cl. 222—153.

Litt, Morton H., and A. L. Idelson, to Allied Chemical Corp. Certain 4,8-dichloro-2,6-disubstituted benzo-1,2,4,5-bisoxazole compounds. 3,268,545, 8–23–66, Cl. 260—307.

Litt, Morton H., T. G. Bassiri, and A. J. Levy, to Allied Chemical Corp. 2-fluoroalkyl oxazolines and oxasines. 3,293,245, 12–20–66, Cl. 260—244.

Litt, Peter S., 12% each to W. B. Hobbs, R. K. Ball, and W. D. Harbaugh. Method and apparatus for reclamation of water. 3,236,757, 2–22–66, Cl. 204—149.

Litt, Peter S., 12% each to W. B. Hobbs, R. K. Ball, and W. D. Harbaugh. Water purification. 3,236,768, 2–22–66, Cl. 210—23.

Litt, Peter S., 12% each to W. B. Hobbs, R. K. Ball, and W. D. Harbaugh. Apparatus for purifying water. 3,266,630, 8–16–66, Cl. 210—394.

Litt, Peter S., 12% each to W. B. Hobbs, R. K. Ball, and W. D. Harbaugh. Voltaic cell having a silver oxide positive electrode and a manganese negative electrode. 3,287,170, 11–22–66, Cl. 136—100.

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Gelzer, John R. 3,230,607.
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Littell, F. J., Machine Co.: *See*—
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Wiig, Chester M. 3,266,260.
Wiig, Chester M. 3,289,448.

Littell, Frederick M., to F. J. Littell Machine Co. Combination shear and roll feed. 3,266,857, 8–16–66, Cl. 83—215.

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Lloyd, William A., and R. Zaphiropoulos, to Varian Associates. Vacuum brazing system. 3,275,789, 9–27–66, Cl. 219—72.

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Lo Casale, Thomas M., W. F. Chow, and J. S. Cubert, to Sperry Rand Corp. Logic circuit utilizing tunnel and enhancement diodes. 3,244,908, 4–5–66, Cl. 307—88.5.
LoCascio, Jack J., to Glamorise Foundations, Inc. Brassieres. 3,227,185, 1–4–66, Cl. 128—510.
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Loch, Charles H., to Westinghouse Electric Corp. Runway lighting unit. 3,250,906, 5–10–66, Cl. 240—1.2.
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Locher, Hans, to Zellweger Ltd., Uster Factories for Apparatus and Machines. Capacitive apparatus for calibrating electrical testing devices by simulating their test procedure. 3,278,842, 10–11–66, Cl. 324—61.
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Locher, Ross E., to Zinsco Electrical Products. Magnetic tripped circuit breaker. 3,244,835, 4–5–66, Cl. 200—88.
Locher, Ross E., to Zinsco Electrical Products. Circuit breaker with externally adjustable tripping mechanism. 3,275,959, 9–27–66, Cl. 335—35.
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Lochner, Raymond D., and C. A. Fowler, III, to Trident Engineering Associates, Inc. Molding a ferromagnetic casing upon an electrical component. 3,255,512, 6–14–66, Cl. 29—155.56.
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Lock, Frank J., to Yale & Towne, Inc. Ratchet handle for hoist. 3,242,747, 3–29–66, Cl. 74—157.
Lock, Richard G., to General Electric Co. Radio frequency apparatus. 3,286,125, 11–15–66, Cl. 315—39.63.
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Locke, John D. I., to Communications Patents Ltd. Mechanised display panels. 3,239,740, 3–8–66, Cl. 318—267.
Locke, John D. I., to Communications Patents Ltd. Mechanized display panels. 3,247,603, 4–26–66, Cl. 35—13.
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Lockwood, Russell C., Jr., to Joseph Bancroft & Sons Co. Electro-mechanical apparatus for crimping yarn or the like. 3,268,971, 8–30–66, Cl. 28—1.
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Lodewick, Madeleine and Mildred. 3,269,593.
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Loeb, Abraham P., J. W. Pell, and J. F. Stevens, to Dravo Corp. Marking tag. 3,247,608, 4–26–66, Cl. 40—2.
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Loeb, Julien M., to Compagnie Generale de Geophysique. Electromagnetic transmission systems operating below ground surface. 3,283,250, 11–1–66, Cl. 325—28.
Loeb, Julien M., 50% to Compagnie Generale de Geophysique, and 50% to Institut Francais du Petrole des Carburants et Lubrifiants. Electromagnetic wave controlled gated seismic wave recorder. 3,288,242, 11–29–66, Cl. 181—.5.
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Loebel, Frederick A., to Aqua-Chem, Inc. Method of producing wood pulp including steaming, vacuum, and impregnation. 3,278,367, 10–11–66, Cl. 162—19.
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Loehr, Albert H., Jr., to Westinghouse Electric Corp. Supports for centrifugal fans. 3,272,428, 9–13–66, Cl. 230—128.
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Loehrke, Harry F., and A. F. Van Zee, to Owens-Illinois, Inc. Hermetically sealing glass parts including intervening electrical conductor. 3,291,587, 12–13–66, Cl. 65—43.
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Loew, Gregory A., to United States of America, Atomic Energy Commission. Phasing of multisection linear accelerators by alternately turning on and off appropriate electromagnetic drivers. 3,257,577, 6–21–66, Cl. 315—3.6.
Loew, Gregory A., to United States of America, Atomic Energy Commission. Radio-frequency particle separator. 3,278,745, 10–11–66, Cl. 250—41.9.
Loew, Theodore, and C. Brooks, to The Cee-Bee Mfg. Co. In. Process of making internally coated metallized vinyl weltings and product. 3,232,818, 2–1–66, Cl. 161—5.
Loew, Theodore, and C. Brooks, to The Cee-Bee Mfg. Co., Inc. Self-gripping edge moldings for metal panels and doors and method of manufacture. 3,249,485, 5–3–66, Cl. 161—100.
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Loewenberg, Gustav, and H. Wagner, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Casting films or sheeting of polyvinyl chloride. 3,294,886, 12–27–66, Cl. 264—166.
Loewenfeld, Kurt, to G. Siempelkamp & Co. Delivery system for loosely coherent sheets. 3,288,057, 11–29–66, Cl. 100—198.
Loewenstein, Walter B., to United States of America, Atomic Energy Commission. Large fast nuclear reactor. 3,287,224, 11–22–66, Cl. 176—18.
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Lofberg, Robert T., to United Aircraft Corp. Propellant with ammonium perchlorate-permanganate lattice oxidizer. 3,259,531, 7–5–66, Cl. 149—2.
Lofdahl, Clyde A., to Boise Cascade Corp. Disposable drip-free dispensing valve. 3,263,875, 8–2–66, Cl. 222—518.
Loffler, Johannes, to Deutsche Tafelglas Aktiengesellschaft Detag. Glass melting vats having refractory bricks containing chromoxide. 3,279,776, 10–18–66, Cl. 263—46.
Lofgren, Charles O., and A. Anderson, to Sundstrand Corp. Screw head slotting apparatus. 3,289,228, 12–6–66, Cl. 10—6.
Lofgren, Charles W., to Sanford Research Co. Marking device. 3,231,924, 2–1–66, Cl. 15—563.
Lofgren, Erik A., and K. G. Holmberg, to Kommanditbolaget Modigs Verkstader. Tractor equipped with hoisting implement. 3,255,903, 6–14–66, Cl. 214—140.
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Loft, Arne, to General Eelctric Co. Gas turbine power system stabilizer. 3,243,596, 3–29–66, Cl. 290—40.
Loft, John T., S. S. Nesbitt, and W. B. York, to Sunray DX Oil Co. Catalyst and process for olefin polymerization. 3,294,860, 12–27–66, Cl. 260—683.15.
Loftheim, Tor B. Apparatus for removing dust and other impurities from air and other gases. 3,293,832, 12–27–66, Cl. 55—407.
Loftin, Robert J., and R. S. Roberts, to Celanese Corp. of America. Crimping method and apparatus. 3,287,784, 11–29–66, Cl. 28—1.
Loftus, Charles H. Poultry knife. 3,233,280, 2–8–66, Cl. 17—11.
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Logan, James S., and A. Roaldi, to Olin Mathieson Chemical Corp. Stabilized liquid ozone composition containing a boron trifluoride complex. 3,260,627, 7–12–66, Cl. 149—1.
Logan, James S., and A. Roaldi, to Olin Mathieson Chemical Corp. Composition of stabilized liquid ozone with trifluoro acetyl fluoride. 3,260,628, 7–12–66, Cl. 149—1.
Logan, James S., and A. Roaldi, to Olin Mathieson Chemical Corp. Stabilized liquid ozone composition containing trichloroheptafluorobutane. 3,260,630, 7–12–66, Cl. 149—1.
Logan, John E., and J. D. Keller, deceased, by S. P. Keller, administratrix, to G. W. Jernstedt. Method of annealing steel strip. 3,256,119, 6–14–66, Cl. 148—12.9.
Logan, John H. Filing case for business forms. 3,233,612, 2–8–66, Cl. 129—16.
Logan, Lewis J. Stud chuck. 3,252,709, 5–24–66, Cl. 279—106.
Logan, Lewis J. Welding stud. 3,253,115, 5–24–66, Cl. 219—99.
Logan, Lewis J. Weld bolt. 3,279,517, 10–18–66, Cl. 151—41.7.
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Logan, Richard S., and T. Hutson, Jr., to Phillips Petroleum Co. Reducing propane production in an alkylation process. 3,272,888, 9–13–66, Cl. 260—683.43.
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Logan, Robert K. Electroluminescent device including a dielectric substrate having a plurality of closely-spaced thin wire conductors passing therethrough. 3,290,537, 12–6–66, Cl. 313—108.
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Logan, William A., R. S. Sharp, G. C. Oliphint, and P. D. King, to Burroughs Corp. Electronic digital computer with automatic interrupt control. 3,286,236, 11–15–66, Cl. 340—172.5.
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Lohmeyer, Lloyd O., Jr., and L. H. Parsons. Variable angle strip shearing apparatus. 3,244,044, 4–5–66, Cl. 83—202.
Lohmeyer, Walter H. Electrical fuse-disconnect switch boxes. 3,283,215, 11–1–66, Cl. 317—114.
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Lohner, Kurt E., to Beteiligungs-und Patentverwaltungsgesellschaft mit beschränkter Haftung. Circular piston diesel engine. 3,244,154, 4–5–66, Cl. 123—8.
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Lohrand, William, and D. C. Wright, to The Falls Engineering and Machine Co. Roller die press cutter apparatus with automatic roll lift. 3,237,499, 3–1–66, Cl. 83—510.
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Loken, Selmer M. Fluid exchange system. 3,291,151, 12–13–66, Cl. 137—565.
Loken, Vern D., to United States of America, Army. Timing mechanism. 3,263,611, 8–2–66, Cl. 102—82.
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Londgren, Richard E. Adjustable child's slide. 3,263,994, 8–2–66, Cl. 272—56.5.
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London, Alvan G., to Applied Power Industries, Inc. Hydraulic jack with back pressure safety check. 3,255,587, 6–14–66, Cl. 60—52.

London, Harvey W. Fishing rod alarm. 3,280,496, 10–25–66, Cl. 43—17.
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Long, Arch O., Sr. Flatwork ironer with automatic flatwork spreading mechanism. 3,271,889, 9–13–66, Cl. 38—143.
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Long, Benjamin E., and D. W. Owens, to American Bosch Arma Corp. Armature apparatus for motors and method for making the same. 3,239,703, 3–8–66, Cl. 310—183.
Long, Bernard, to Pittsburgh Corning Corp. Method of making a multicellular vitreous sheet on a molten metal bath. 3,288,584, 11–29–66, Cl. 65—22.
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Long, Fleming D., to Container Corp. of America. Plastic bag making machine. 3,294,615, 12–27–66, Cl. 156—537.
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Long, Florren E., and F. B. Shaw, to Continental Can Co., Inc. Two-compartment package. 3,255,872, 6–14–66, Cl. 206—47.
Long, Florren E., F. B. Shaw, and H. C. Lisle, to Continental Can Co., Inc. Microwave sterilization of vacuumizing of products in flexible packages and apparatus therefor. 3,261,140, 7–19–66 Cl. 53—22.
Long, Francis V., to Texas Eastern Transmission Corp. Pipeline leak detection method. 3,261,200, 7–19–66, Cl. 73—40.5.
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Long, George B., to General Motors Corp. Washer agitator having collapsible fabric actuator means. 3,245,235, 4–12–66, Cl. 68—17.
Long, George B., to General Motors Corp. Domestic appliance. 3,263,935, 8–2–66, Cl. 241—100.5.
Long, George B., to General Motors Corp. Method curing a foam in situ using a changing mode microwave generator. 3,265,780, 8–9–66, Cl. 264—26.
Long, Glenn H. Trenching hoe having spread footing cutting means. 3,286,377, 11–22–66, Cl. 37—118.
Long, Jack L., and R. D. Schweikhardt, to United States of America, Atomic Energy Commission. Electrorefining of plutonium. 3,282,806, 11–1–66, Cl. 204—1.5.
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Long, Marshall, and L. F. Alley, to Swift & Co. Article lock apparatus. 3,250,406, 5–10–66, Cl. 214—17.
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Long, Olan L., and G. P. Rogers, to Westinghouse Electric Corp. Dishwasher. 3,253,784, 5–31–66, Cl. 239—101.
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Long, Roger A., to Whittaker Corp. Exoreactant material for bonding. 3,259,972, 7–12–66, Cl. 29—498.5.
Long, Roger A., to Whittaker Corp. Method and composition for exothermic brazing of metal joints. 3,271,852, 9–13–66, Cl. 29—494.
Long, Roger A., to Whittaker Corp. Exothermic coated nitrated cellulose tape. 3,287,190, 11–22–66, Cl. 149—12.
Long, Thomas J., and J. C. McCaslin, to Douglas Aircraft Co., Inc. Gun flared projectile. 3,229,583, 1–18–66, Cl. 89—14.
Long, Thomas P., and C. M. Filak, to Reynolds Metals Co. Bridging die means and method. 3,240,047, 3–15–66, Cl. 72—269.

Long, Warner D., and D. C. Williams, to Eastman Kodak Co. Funnel device for longitudinally splitting film. 3,294,300, 12–27–66, Cl. 225—3.
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Longhini, Giovanni. Method of making a hair curl-clip. 3,242,564, 3–29–66, Cl. 29—434.
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Natta, Giulio, Mazzanti, and Longi. 3,252,937.
Natta, Giulio, Mazzanti and Longi. 3,259,613.
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Longley, Kermit D., and C. Bernstein, to Witco Chemical Co., Inc. Liquid oxyalkylation products of high-melting polyols and compositions utilizing same. 3,291,845, 12–13–66, Cl. 260—615.
Longobardi, Felice. Razor blade holder. 3,257,726, 6–28–66, Cl. 30—331.
Longobardi, Felice. Razor blade holder and stropper for a hone and strop. 3,289,358, 12–6–66, Cl. 51—218.
Longstreth, William G., to Ford Motor Co. Composite connecting. 3,236,811, 3–8–66, Cl. 74—579.
Longton, Albert C., to Bell Telephone Laboratories, Inc. Interchannel crosstalk reduction in dual processing multichannel PCM transmitters. 3,233,042, 2–1–66, Cl. 179—15.
Longton, LeRoy T., to J. Hester. Apparatus particularly for use in harvesting hops. 3,285,365, 11–15–66, Cl. 182—63.
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Loomis, Chauncey C., to Chas. Pfizer & Co., Inc. Process of preparing a reactive iron additive. 3,290,142, 12–6–66, Cl. 75—58.
Loomis, Glenn L., deceased; J. D. Loomis, executrix, to J. D. Loomis. Hoisting apparatus for well rig. 3,229,960, 1–18–66, Cl. 254—135.
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Looney, Joe E., to Looney Acre Meters, Inc. Land measuring device for diverse agricultural equipment. 3,251,545, 5–17–66, Cl. 235—95.
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Loos, Joseph, and R. J. Wanat, to Motorola, Inc. Wave trap system for duplex operation from a single antenna. 3,293,644, 12–20–66, Cl. 343—180.
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Loper, Harry O., G. T. Timoff, H. J. Anderson, and E. F. Schlee, Jr., to The Eynon Co. Stamped pulley construction. 3,245,273, 4–12–66, Cl. 74—230.4.
Loper, Harry O., G. T. Timoff, H. J. Anderson, and E. F. Schlee, Jr., to The Eynon Co. Pulley construction employing beaded hub and means for producing same. 3,286,539, 11–22–66, Cl. 74—230.4.
Loper, Lincoln L., and G. E. Ziegler, to Concrete Thermal Casings, Inc. Method of insulating a pipe assembly. 3,227,788, 1–4–66, Cl. 264—112.
Lopez, Armando E., to United States of America, National Aeronautics and Space Administration. Three-axis finger tip controller for switches. 3,271,532, 9–6–66, Cl. 200—6.
Lopez, John, to Universal Corrugated Box Machinery Corp. Apparatus for applying glue to box blanks. 3,245,379, 4–12–66, Cl. 118—250.
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Lopez, Luis. Adjustable slicing tool. 3,277,754, 10–11–66, Cl. 83—4.
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Lorence, Ervin H. Tap with chip removal means. 3,246,351, 4–19–66, Cl. 10—141.
Lorenian, Zareh. Method and apparatus for heat treatment of particle materials such as synthetic plastics. 3,280,472, 10–25–66, Cl. 34—10.
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Lorensen, Lyman E., J. W. Beardmore, and F. M. Fowkes, to Shell Oil Co. Lubricating oil compositions. 3,278,437, 10–11–66, Cl. 252—51.5.
Lorentz, Guido M. R., and R. Stroh, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process and device for the lining of hollow bodies. 3,232,812, 2–1–66, Cl. 156—293.
Lorentz, William D., and I. B. Forsblad, to The Upjohn Co. Process for the reduction of a Faworskii ester. 3,255,183, 6–7–66, Cl. 260—239.5.
Lorentzen, Hana K., and J. A. Anderle, to Levolor Lorentzen, Inc. Skylight venetian blind with improved coaction between the ladders and the slats. 3,265,117, 8–9–66, Cl. 160—174.
Lorentzen, Jørgen. Method for film evaporation and an evaporator for using the method. 3,271,969, 9–13–66, Cl. 62—98.
Lorenz, Albert, P. Muller, W. Reichelt, B. Rosenstock, and R. Seiz, to W. C. Heraeus Gesellschaft mit beschrankter Haftung. Vapor deposition means for strip-coating continuously moving, helically wound ribbon. 3,272,175, 9–13–66, Cl. 118—49.
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Lorenz, Carl E., to E. I. du Pont de Nemours and Co. Process for the preparation of β-lactones. 3,291,810, 12–13–66, Cl. 260—343.9.
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Lorenz, Eldon L., to Michigan Wheel Co. Controllable pitch propeller. 3,232,350, 2–1–66, Cl. 170—160.32.
Lorenz, Fritz, and G. Schlagenhof, to Scott Paper Co. Process for the aftertreatment of polyurethane foam. 3,266,927, 8–16–66, Cl. 117—98.
Lorenz, Hans, ⅓ each to Entreprises Leon Chagnaud & Fils and Entreprises Joya-Chabert. Process for producing excavations in water-bearing ground. 3,260,054, 7–12–66, Cl. 61—42.
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Lorenz, Lothar, and M. Schunck, to Badische Anilin & Soda-Fabrik Aktiengesellschaft. Separation and recovery of components from gas mixtures. 3,232,027, 2–1–66, Cl. 55—44.
Lorenz, Lothar, and W. Teltschik, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of acetylene and ethylene by incomplete combustion of hydrocarbons. 3,248,447, 4–26–66, Cl. 260—679.
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Lorenz, Walter, to Farbenfabriken Bayer Aktiengesellschaft. Phosphoric, phosphonic and phosphinic acid esters of 3-hydroxybenzisazoles, and their thio analogues. 3,232,951, 2–1–66, Cl. 260—304.
Lorenz, Walter, to Farbenfabriken Bayer Aktiengesellschaft. Thiol-phosphoric, -phosphonic, -phosphinic or thionothiol-phosphoric, -phosphonic, -phosphinic acid esters and processes for the production thereof. 3,248,459, 4–26–66, Cl. 260—461.
Lorenz, Walter, to Farbenfabriken Bayer Aktiengesellschaft. S-(2-amidocarboxy-phenyl) esters of phosphorus acids. 3,277,214, 10–4–66, Cl. 260—943.
Lorenz, Walter, H.-G. Schicke, and G. Schrader, to Farbenfabriken Bayer Aktiengesellschaft. Alkyl- or aryl-mercapto-(sulphoxido-, sulphono-) carboxylic acid derivatives of thiophosphoric, thiophosphonic and thiophosphinic acid esters and processes for their production. 3,229,000, 1–11–66, Cl. 260—943.
Lorenz, Walter, and G. Schrader, to Farbenfabriken Bayer Aktiengesellschaft. Phosphorus containing compounds. 3,283,038, 11–1–66, Cl. 260—942.
Lorenz, Walter, R. Colln, G. Schrader, and G. Unterstenhofer, to Farbenfabriken Bayer Aktiengesellschaft. Pesticidal asymmetric thiol- or thionothiol-phosphoric acid esters. 3,294,631, 12–27–66, Cl. 167—33.
Lorensen, Coby, I. J. Sziuka, and F. L. Hill, to The Regents of the University of California. Tomato harvester. 3,286,774, 11–22–66, Cl. 171—1.
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Lorenzo, Manuel P., and J. F. Hunsberger, to A. P. de Sanno & Son, Inc. Process of making metal bonded diamond abrasive articles. 3,249,410, 5–3–66, Cl. 51—293.

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Lorquet, Claude. Smoking pipe. 3,292,638, 12–20–66, Cl. 131—183.
Lorson, Clement W. Ring groove cleaning tool. 3,233,268, 2–8–66, Cl. 15—104.01.
Lortie, Frank N., to Wassell Organization, Inc. Rotary filing apparatus. 3,245,545, 4–12–66, Cl. 211—1.5.
Lorvi, John, to Litton Industries, Inc. Belt conveyor storage section with longitudinally unsymmetrical transfer pulleys. 3,251,455, 5–17–66, Cl. 198—139.
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Loudon, Donald C., to The Bendix Corp. Electric pulse generating means. 3,252,024, 5–17–66, Cl. 310—155.
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Loughlin, Bernard D., to Hazeltine Research Inc. Color-television test signal generator. 3,250,853, 5–10–66, Cl. 178—5.4.
Loughlin, Bernard D., to Hazeltine Research, Inc. Balanced frequency detector apparatus. 3,277,384, 10–4–66, Cl. 329—134.
Loughlin, Bernard D., and S. P. Ronzheimer, to Hazeltine Research, Inc. Control apparatus for a television receiver. 3,249,695, 5–3–66, Cl. 178—7.5.
Loughlin, Bernard D., and S. P. Ronzheimer, to Hazeltine Research, Inc. Image-reproducing system for a television receiver. 3,255,310, 6–7–66, Cl. 178—7.5.
Loughlin, Bernard D., and S. P. Ronzheimer, to Hazeltine Research, Inc. Automatic-picture-control circuit for a television receiver. 3,258,532, 6–28–66, Cl. 178—7.5.
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Louthan, Rector P., C. R. Bresson, and R. L. Cobb, to Phillips Petroleum Co. Preparation of sulfur compounds. 3,257,301, 6–21–66, Cl. 204—158.
Louthan, Rector P., and R. L. Cobb, to Phillips Petroleum Co. Process for preparing mercapto- and thioether-substituted heterocyclic nitrogen-containing compounds. 3,278,526, 10–11–66, Cl. 260—239.3.
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Loux, Harvey M., to E. I. du Pont de Nemours and Co. Method for the control of undesirable vegetation. 3,235,361, 2–15–66, Cl. 71—2.5.
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Love, James H., and L. Wolpert, to Air Reduction Co., Inc. Container. 3,241,705, 3–22–66, Cl. 220—14.
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Love, Robert G., to Halliburton Co. Density meter. 3,258,973, 7–5–66, Cl. 73—434.
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Lovelace, Monte H., to The Bendix Corp. Actuating mechanism for plier type devices. 3,282,137, 11–1–66, Cl. 81—302.
Loveland, Eric W. Synchronizing attachment for picture projectors and sound recorders. 3,238,957, 2–8–66, Cl. 352—14.
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Loveland, Roger S., to Honeywell Inc. Thermocouple supporting means. 3,290,178, 12–6–66, Cl. 136—242.
Loveland, Winton, and S. Warshaw, to The Loveshaw Corp. Antomatic carton closing machine. 3,236,022, 2–22–66, Cl. 53—75.
Loveland, Winton S., and S. Warshaw, to The Loveshaw Corp. Tape applying mechanism. 3,236,716, 2–22–66, Cl. 156—468.
Loveless, Compere, to Union Tank Car Co. Combined gas inlet conduit and electrode for liquid conveying apparatus. 3,275,021, 9–27–66, Cl. 137—209.
Loveless, Marion W. Canning retort. 3,235,103, 2–15–66, Cl. 214—17.
Loveless, Marion W. Descrambler. 3,292,765, 12–20–66, Cl. 198—30.
Loveless, Stanley M., to General Gas Light Co. Multiple valve units. 3,244,193, 4–5–66, Cl. 137—454.6.
Loveless, Stanley M., and L. E. Robinson, to General Gas Light Co. Four way valve construction. 3,251,378, 5–17–66, Cl. 137—596.17.
Lovell, Bruce A., and J. W. McGrath, to Western Electric Co., Inc. Method and apparatus for adjusting relays to operate and release at desired values of current. 3,243,696, 3–29–66, Cl. 324—28.
Lovell, Calvin H., to G. D. Searle & Co. 1-substituted 4-isonicotinoylaminopiperazines. 3,287,454, 11–22–66, Cl. 260—268.
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Lovell, Ernest E., to The Delman Co. Retractable nozzle. 3,237,866, 3–1–66, Cl. 239—204.
Lovell, James K., and G. H. Cox, to Imperial Chemical Industries Ltd. Process for coating by spraying a solvent liquid and a dispersion of polymer particles in a non-solvent. 3,276,901, 10–4–66, Cl. 117—105.5.
Lovell, John A., to The Goodyear Tire & Rubber Co. Polyurethane elastomers from a polyether bis chloroformate and a diamine. 3,254,056, 5–31–66, Cl. 260—77.5.
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Lovell, Walter C. Closures. 3,254,785, 6–7–66, Cl. 215—41.
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Lovell, Walter C., E. S. Lee III, and P. J. Gunas, to The Gunver Mfg. Co. Fluid motors. 3,236,157, 2–22–66, Cl. 91—224.
Lovell, Walter C., and E. S. Lee III. Drinking straws and dispenser capable of use therefor. 3,246,814, 4–19–66, Cl. 225—1.
Lovell, Walter C. and P. A., and H. R. Jorey, said Jorey and said P. A. Lovell, assors. to said W. C. Lovell. Sealing gasket used with crown-type bottle caps. 3,275,178, 9–27–66, Cl. 215—40.
Lovelock, James E. Gas analysis method and device for the qualitative and quantitative analysis of classes of organic vapors. 3,247,375, 4–19–66, Cl. 250—43.5.
Lovelock, Victor G., and L. E. Perrins, to Imperial Chemical Industries Ltd. Polymerisation process. 3,277,064, 10–4–66, Cl. 260—87.1.
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Lovendusky, Charles M., to AMP Inc. Inserting apparatus. 3,293,735, 12–27–66, Cl. 29—203.
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Lund, Frantz, and Godtfredsen. 3,254,077.
Lovercheck, Charles L. Means for heating the oil sump of an engine. 3,235,032, 2–15–66, Cl. 184—104.

Lovercheck, Charles L. Dehumidifier. 3,248,861, 5–3–66, Cl. 55—281.
Lovercheck, Charles L. Air drier. 3,248,862, 5–3–66, Cl. 55—388.
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Lovett, Gordon H., and W. H. Stanton, to Monsanto Co. Purification of acetylene. 3,234,712, 2–15–66, Cl. 55—38.
Lovett, William G., and D. B. Fogg, to Eastman Kodak Co. Silver halide emulsions having chill-setting properties. 3,250,620, 5–10–66, Cl. 96—94.
Lovgren, Einar C., and R. G. Hoffman, to Simplex Forms System, Inc. Concrete form apparatus. 3,236,490, 2–22–66, Cl. 249—45.
Lovick, Robert C., and J. R. Peer, to Eastman Kodak Co. Magnetic stripping composition for sound recording motion picture film. 3,243,376, 3–29–66, Cl. 252—62.5.
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Lovins, Gerald H., to Kollmorgen Corp. Dividing head. 3,231,980, 2–1–66, Cl. 33—174.
Lovins, Gerald H., to Kollmorgan Corp. High precision pointing interferometer with modified kosters prism. 3,285,124, 11–15–66, Cl. 88—14.
Lovisek, Louis J., to Screw & Bolt Corp. of America. Method and apparatus for making drive screws. 3,238,542, 3–8–66, Cl. 10—46.
Lovisek, Louis J., to Screw & Bolt Corp. of America. Self-tapping screw. 3,286,579, 11–22–66, Cl. 85—41.
Lovness, Donald E., to Minnesota Mining and Mfg. Co. Resinous composition containing antimigration agent. 3,245,817, 4–12–66, Cl. 106—279.
Lovness, Donald E., to Minnesota Mining & Mfg. Co. Seal down shingle. 3,247,631, 4–26–66, Cl. 52—173.
Lovness, Donald E., to Minnesota Mining & Mfg. Co. Oil-stain resistant roofing and siding sheets. 3,266,925, 8–16–66, Cl. 117—27.
Lovoy, Jacob P., to W. C. Gilmer. Apparatus for securing lids on containers. 3,262,248, 7–26–66, Cl. 53—335.
Lovret, Iver C. Method and apparatus for continuously molding a composite sandwich panel having regular interconnecting voids therein. 3,281,510, 10–25–66, Cl. 264—47.
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Low, Paul R., E. J. Skiko, and D. F. Chargois, to International Business Machines Corp. Apparatus for displaying characters as a sequence of linear visible traces. 3,248,725, 4–26–66, Cl. 340—324.
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Lowcock, John C. E., to J. & E. Hall, Ltd. Refrigerated chambers. 3,237,424, 3–1–66, Cl. 62—282.
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Lowes, Fred J., Jr., to The Dow Chemical Co. Flame-resistant acrylonitrile polymer compositions containing polyepihalohydrins and calcium phosphates. 3,271,343, 9–6–66, Cl. 260—29.6.
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Luc-Belmont, Stephane, to Les Products Synthetiques Appliques. Production of shaped articles from cellular thermoplastic materials. 3,255,286, 6–7–66, Cl. 264—109.

Lucchi, Guelino A., to Radio Corp. of America. DME with automatic standby control. 3,239,834, 3–8–66, Cl. 343—7.3.

Lucchi, Guelino A., to Radio Corp. of America. Pulse code generator system. 3,253,278, 5–24–66, Cl. 343—7.3.

Luce, Betty M., B. L. Berdan, and M. L. Selker, to Clevite Corp. Magnetic recording medium and methods of manufacture. 3,245,826, 4–12–66, Cl. 117—47.

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Luce, Walter A., and G. W. Jackson, to The Duriron Co., Inc. Vacuum treated high silicon cast iron with graphitizing inoculant. 3,271,137, 9–6–66, Cl. 75—123.

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Lucien, René, to Societe Recherches Etudes Production R.E.P. S.a.r.l. Device for controlling the hydraulic braking of the wheels of a vehicle. 3,292,978, 12–20–66, Cl. 303—21.

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Lück, Friedrich, to Borsig Aktiengesellschaft, and Wankel G.m.b.H. Rotary piston compressor with rotary pistons arranged eccentrically one within the other. 3,232,523, 2–1–66, Cl. 230—139.

Luck, Friedrich W., to Borsig Aktiengesellschaft, and Wankel G.m.b.H. Seal for sealing areas of different pressures with regard to each other. 3,284,087, 11–8–66, Cl. 277—58.

Luck, Herbert O., to The Dow Chemical Co. . Copolymer solution of acrylamide-ethylenically unsaturated monomer, and water soluble cellulose ether. 3,268,459, 8–23–66, Cl. 260—17.

Luck, James R., to Honeywell Inc. Water softener system control apparatus. 3,250,392, 5–10–66, Cl. 210—96.

Luck, Wolfhard: *See*—
Zorn, Bruno, Mauthe, and Luck. 3,266,864.

Lucka, Eugene R.: *See*—
Ongaro, Theodore, and Lucka. 3,260,101.

Lucke, Carl, to Firma Maschinenfabrik Hasenclever Ag. Apparatus for guiding a workpiece. 3,240,041, 3–15–66, Cl. 72—12.

Lucke, Josef: *See*—
Lodige, Wilhelm, Fritz, and Lucke. 3,273,863.

Lucke, Robert V., to Esso Research and Engineering Co. Butyl rubber latex foam. 3,264,232, 8–2–66, Cl. 260—2.5.

Lucke, Robert V., to United States Rubber Co. Rubbery polymer vulcanisation. 3,272,783, 9–13–66, Cl. 260—79.3.

Lucken, Trygve C., to Riegel Paper Corp. Process for impregnating paper while partially dry with a quaternized resin polyelectrolyte and a clay coating. 3,293,115, 12–20–66, Cl. 162—184.

Luckenbaugh, Raymond W., to E. I. du Pont de Nemours and Co. Method of killing weeds. 3,228,762, 1–11–66, Cl. 71—2.6.

Luckenbaugh, Raymond W., to E. I. du Pont de Nemours and Co. Method for retarding the growth of crabgrass. 3,230,-068, 1-18-66, Cl. 71—2.3.

Luckenbaugh, Raymond W., to E. I. du Pont de Nemours and Co. 5-phenylhydantoaldehyde, diethylacetal as a fungicide. 3,276,952, 10-4-66, Cl. 167—30.

Luckenbaugh, Raymond W., and E. J. Soboxzenski, to E. I. du Pont de Nemours and Co. Method for the control of desirable vegetation. 3,235,363, 2-15-66, Cl. 71—2.5.

Luckenbaugh, Raymond W., and E. J. Soboczenski, to E. I. du Pont de Nemours, and Co. Method of killing deep-rooted weeds. 3,257,192, 6-21-66, Cl. 71—2.5.

Luckenbill, Gordon R., Sr.: *See*—
Deprill, Harold L., Luckenbill, and Doggrell. 3,253,962.

Luckenbill, Lawrence F.: *See*—
Leopold, Wilbur R., Jr., Smith, and Luckenbill. 3,229,-704.
Leopold, Wilbur R., Jr., Smith, and Luckenbill. 3,229,-711.
Leopold, Wilbur R., Jr., Smith, and Luckenbill. 3,272,-033.
Leopold, Wilbur R., Jr., Smith, and Luckenbill. 3,272,-211.

Luckert, Hans: *See*—
Griehl, Wolfgang, and Luckert. 3,288,755.

Luckert, Karl W. Stringed musical instrument. 3,244,053, 4-5-66, Cl. 84—264.

Luckey, George W., to Eastman Kodak Co. Stabilisers and fixing agents for photographic silver halide emulsions. 3,247,232, 4-19-66, Cl. 260—429.

Luckey, George W., to Eastman Kodak Co. N-substituted aminoalkyl mercaptan metal salt fixing agents. 3,282,694, 11-1-66, Cl. 96—81.

Luckey, Howard H.: *See*—
Van Couvering, and Luckey. 3,249,982.

Luckham, Denis C., to Luckham Ltd. Fluid Blender. 3,285,-583, 11-15-66, Cl. 259—55.

Luckham Ltd.: *See*—
Luckham, Denis C. 3,285,583.

Luckins, John: *See*—
Hood, Norman R., Luckins, Sutherland, and Carpenter. 3,235,972.

Luckman, Franklin P., Jr. Sequential element dispensing apparatus. 3,266,642, 8-16-66, Cl. 214—16.

Lucky, Maurice C., to Cameron Iron Works, Inc. Drive mechanism. 3,266,341, 8-16-66, Cl. 74—626.

Lucky, Robert W.: *See*—
Becker, Floyd K., Lucky, and Port. 3,292,110.

Lucovsky, Gerald: *See*—
Lasser, Marvin E., and Lucovsky. 3,284,241.

Lucy, William: *See*—
Holderreed, Francis L., Fulmor, and Lucy. 3,255,681.

Luddington, Eric A.: *See*—
Rakowicz, Jan A., and Luddington. 3,253,491.

Ludemann, Joseph, and H. Heilmann, to Licentia Patent-Verwaltungs-G.m.b.H. Stators for polyphase small electric motors. 3,257,572, 6-21-66, Cl. 310—190.

Luder, Ernst, and G. Buzzi, to Hans Grohe Kommanditgesellschaft. Wall support for shower fittings. 3,259,350, 7-5-66, Cl. 248—251.

Luders, Wayne: *See*—
Anderson, Donald V., and Gillman. 3,256,556.

Ludin, Ludwig. Pump and turbine fluid drive unit. 3,238,-725, 3-8-66, Cl. 60—54.

Ludington, Robert L.: *See*—
Mersereau, Everard C. 3,283,861.

Ludlow Corp.: *See*—
Wilkie, Robert C., Hoyle, and De Roche. 3,286,007.

Ludlow-Saylor Wire Cloth Co.: *See*—
Harmon, James J., Jr. 3,247,966.

Ludlow, Thomas B., and D. D. Wendt, to Bemis Co., Inc. Bags. 3,263,902, 8-2-66, Cl. 229—60.

Ludlow Typograph Co.: *See*—
Mosier, Fred L. 3,294,220.

Ludlum, David B.: *See*—
Anderson, Arthur W., and Ludlum. 3,255,225.

Ludt, Otto: *See*—
Kalbfleisch, Georg, and Ludt. 3,246,686.

Ludwick, Thomas E. Combined golf ball position marker and carrier. 3,233,802, 2-8-66, Cl. 224—5.

Ludwig, Arthur L.: *See*—
Johnson, Stephen I., and Ludwig. 3,235,271.

Ludwig, Bernard J.: *See*—
Berger, Frank M., and Ludwig. 3,245,878.
Berger, Frank M., and Ludwig. 3,278,583.
Berger, Frank M., and Ludwig. 3,280,171.

Ludwig, Bernard J., J. Diamond, and W. A. Skinner, Jr., to Carter Products, Inc. 2-substituted-1,3-propane dithiol-dicarbamates and 2-substituted-3-carbamoxy-propylthiol carbamates. 3,264,338, 8-2-66, Cl. 260—455.

Ludwig, Carl, to McDowell-Wellman Engineering Co. Railroad car mover. 3,260,220, 7-12-66, Cl. 104—176.

Ludwig, Carl, to McDowell Wellman Engineering Co. Railroad car mover. 3,262,399, 7-26-66, Cl. 104—176.

Ludwig, David R., and R. P. Rafuse, to General Electronic Laboratories, Inc. Frequency multiplier. 3,239,744, 3-8-66, Cl. 321—69.

Ludwig, Ernst, to Brown, Boveri & Cie, Aktiengesellschaft. Combined transductor and semiconductor rectifier plant. 3,241,034, 3-15-66, Cl. 321—8.

Ludwig, Frank A., and J. J. Rowlette, to Electro-Optical Systems, Inc. Continuous concentration cell. 3,231,426, 1-25-66, Cl. 136—4.

Ludwig, Harold, Mfg. Co.: *See*—
Honold, Ludwig, Feer, and Mack. 3,253,371.

Ludwig, Harvey F. and R. G., to FMC Corp. Apparatus for sewage pretreatment for outfall disposal. 3,275,149, 9-27-66, Cl. 210—195.

Ludwig, Heinz: *See*—
Herbst, Willy, and Ludwig. 3,272,662.

Ludwig, Herbert. Ski boot. 3,228,122, 1-11-66, Cl. 36—2.5.

Ludwig, Herbert. Injection mold plant assembly. 3,233,285, 2-8-66, Cl. 18—4.

Ludwig, Herbert. Apparatus for injecting plastic or rubber soles to shoe uppers. 3,267,520, 8-23-66, Cl. 18—17.

Ludwig, Herbert P. Apparatus for making shoes. 3,249,-966, 5-10-66, Cl. 18—16.

Ludwig, Herbert P. Method of injection molding plastic footwear. 3,272,902, 9-13-66, Cl. 264—244.

Ludwig, Herbert P. Injection molding composite bottoms. 3,284,558, 11-8-66, Cl. 264—244.

Ludwig, Howard C.: *See*—
Frost, Leslie S., and Ludwig. 3,280,360.

Ludwig Mfg. Co.: *See*—
Honold, Ludwig, Feer, and Mack. 3,257,932.

Ludwig, Milton: *See*—
Postlewaite, William R., and Ludwig. 3,266,256.

Ludwig, Peter: *See*—
Anselm, Hans, Ludwig, and Keil. 3,287,297.

Ludwig, Peter K., and J. T. D'Alessio, to United States of America, Atomic Energy Commission. Mercury-wetted fixed electrode electric arc generator. 3,290,615, 12-6-66, Cl. 331—127.

Ludwig, Russell G.: *See*—
Ludwig, Harvey F. and R. G. 3,275,149.

Ludwig Taprogge-Reinigungsanlagen fur Rohren-Warmeaustauscher: *See*—
Treplin, Friedrich-Wilhelm. 3,269,543.

Ludwig, Walter D. Time delay apparatus with in-line construction for bi-directional flow. 3,238,964, 3-8-66, Cl. 137—220.

Ludwig, Walter D. Bi-directional time delay valve. 3,256,906, 6-21-66, Cl. 137—493.

Ludwig, Walter D., and W. J. Bowman, to Mac Valves, Inc. Shuttle valve with integrated detent means. 3,294,106, 12-27-66, Cl. 137—110.

Ludwig, Wolfgang: *See*—
Wilmsmann, Hermann, and Ludwig. 3,250,682.

Ludwigsen, Robert J.: *See*—
Downing, Denis J., and Ludwigsen. 3,231,393.

Luebbe, John W., Jr., to Honeywell, Inc. Control apparatus. 3,235,853, 2-15-66, Cl. 340—174.

Luebbe, John W., Jr., and R. H. Breedlove, deceased (by S. S. Breedlove, heir), to Honeywell Inc. Control apparatus. 3,229,263, 1-11-66, Cl. 340—174.

Luebering, George W., and N. J. Meyer, to General Electric Co. Windmill control system for multi-engined aircraft. 3,227,-176, 1-4-66, Cl. 137—601.

Luebkemann, Harry E., to The Cincinnati Milling Machine Co. Lathe transmission mechanism. 3,274,843, 9-27-66, Cl. 74—335.

Luebkemann, Harry E., to The Cincinnati Milling Machine Co. Lathe. 3,288,003, 11-29-66, Cl. 82—2.

Lueck, Arthur M., to Texas Instruments Inc. Small light sensor package for use on circuit boards. 3,281,606, 10-25-66, Cl. 250—239.

Lueck, Laurence B.: *See*—
Mooney, Laurence R., and Lueck. 3,280,732.

Luecke, Eberhard: *See*—
Huenig, Siegfried, Geldern, and Luecke. 3,275,639.

Lueder, Holger. Method and apparatus for controlling radiation through a window. 3,236,290, 2-22-66, Cl. 160—241.

Lueder, Holger, to F. J. Maas. Temperature equalizing building structure. 3,239,144, 3-8-66, Cl. 237—1.

Lueder, Holger, to Friedr. Julius Maas. Conditioning the climate of a room. 3,244,856, 4-5-66, Cl. 219—213.

Luedloff, Vernon W., to Harvey Aluminum (Inc.). Explosive actuated anchor. 3,228,153, 1-11-66, Cl. 52—156.

Luedtke, Warren J., to S. C. Johnson & Son, Inc. Dispenser having a head and a plug depending therefrom. 3,261,515, 7-19-66, Cl. 222—520.

Luefling, Walter E., W. L. Kelver, Jr., and L. E. Hileman, to CTS Corp. Rotor assembly for an electrical control. 3,256,-713, 6-21-66, Cl. 64—1.

Luehring, Elmer L., to Joslyn Mfg. and Supply Co. Vacuum-type circuit interrupter device. 3,265,840, 8-9-66, Cl. 200—124.

Luehring, James W.: *See*—
Joy, Ivan L., and Luehring. 3,273,145.

Luehrmann, William H., J. S. Bradley, and E. R. Brownscombe, to The Atlantic Refining Co. Portable seeps detector and method of exploration. 3,239,311, 3-8-66, Cl. 23—232.

Luelsdorf, Feldmuehle: *See*—
Lenz, Arnold, Hass, Epler, and Luelsdorf. 3,274,261.

Luenberger, Frederick O., to Emerson Electric Co. Variable ratio transmission mechanism. 3,250,141, 5-10-66, Cl. 74—230.17.

Luertzing Corp.: *See*—
Luertzing, Paul R. 3,293,024.

Luertzing, Paul R., to Lurex Mfg. Co. Package for glassware. 3,243,037, 3-29-66, Cl. 206—1.

Luertzing, Paul R., to Leurtzing Corp. Apparatus for the centrifugal molding of articles in split molds. 3,293,024, 12-20-66, Cl. 65—302.

Luescher, Jakob, and B. Zega, to Compagnie Generale d'Electricite. Semi-conductor device having self-protection against overvoltage. 3,260,901, 7-12-66, Cl. 317—235.

Luescher, Jakob, and B. Zega, to Compagnie Generale d'Electricite. Semi-conductor rectifier arrangement having self-protection against overvoltage. 3,286,137, 11-15-66, Cl. 317—234.

Luethi, Christian: *See*—
Biland, Hans R., Luethi, and Duennenberger. 3,249,608.
Biland, Hans R., Luethi, and Duennenberger. 3,293,249.
Duennenberger, Max, Biland, and Luethi. 3,242,175.
Duennenberger, Max, Biland, and Luethi. 3,244,708.
Duennenberger, Max, Biland, and Luethi. 3,270,016.
Duennenberger, Max, Biland, Luethi, and Schellenbaum. 3,293,247.
Duennenberger, Max, and Luethi. 3,259,627.
Schellenbaum, Max, Luethi, and Duennenberger. 3,278,-534.

Luetzel, Gerhard: *See*—
Dehnert, Johannes, Leuchs, Leutzel, and Rohland. 3,255,-173.

Luetzel, Gerhard, W. Rohland, A. Tartter, G. Barts, W. Dietrich, D. Federkiel, and R. Mueller, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Dye and hexahydro-1,3,5-triacryloyl-s-triazine or derivative thereof composition and dyeing therewith. 3,265,461, 8-9-66, Cl. 8—84.

Luetzow, Dietrich: *See*—
Mohr, Siegfried, Luetzow, and Schulz. 3,282,674.

Luff, John E., to The Cal-Dak Co. Bed rail. 3,290,701, 12-13-66, Cl. 5—331.

Luft, Karl F. Apparatus for measuring the velocity of a flowing gas. 3,251,225, 5-17-66, Cl. 73—204.

Luft, Karl-Friedrich. Portable measuring apparatus for determining the oxygen content of a gas, in particular of an air mixture in a mine working. 3,287,959, 11-29-66, Cl. 73—23.

Luft, Ludwig: *See*—
Tepper, Frederick, Mausteller, Luft, and Kabi. 3,258,316.

Luftig, Sanford B., to Boeing Airplane Co. Radio instrument approach and landing system. 3,261,017, 7-12-66, Cl. 343—112.

Luftig, Sanford B., 37½% to The Wheeler Kelly & Hagny Investment Co., 10½% to W. P. Innes, Jr., 9% to W. P. Innes III, 9% to W. D. Innes, and 9% to B. S. Innes. Noise modulation control system. 3,275,939, 9-27-66, Cl. 325—399.

Lugasch, Myron N.: *See*—
Grotta, Henry M., and Lugasch. 3,258,468.
Grotta, Henry M., and Lugasch. 3,284,198.
Grotta, Henry M., and Lugasch. 3,291,786.
Grotta, Henry M., and Lugasch. 3,291,787.

Lugasch, Myron N., deceased (by P. T. Lugasch, widow and heir) to Martin-Marietta Corp. Lithographic plates and coatings. 3,287,128, 11-22-66, Cl. 96—33.

Lugasch, Phyllis T.: *See*—
Grotta, Henry M., and Lugasch. 3,258,468.
Grotta, Henry M., and Lugasch. 3,291,786.
Grotta, Henry M., and Lugasch. 3,291,787.
Lugasch, Myron N. 3,287,128.

Lugash, Max J., to Maxon Industries, Inc. Loading apparatus for vehicles. 3,263,835, 8-2-66, Cl. 214—77.

Lugash, Max J., to Maxon Industries, Inc. Vehicle loaders and reinforcing mechanism for vehicle bed plates. 3,269,-567, 8-30-66, Cl. 214—77.

Lugg, Robert R.: *See*—
Isacks, Albert J., Jr., and Lugg. 3,267,045.

Lugli, Giuseppe, to Pirelli S.p.A. Pneumatic tire for vehicles of any kind constituted by a removable tread by carcass intended to carry it. 3,240,249, 3-15-66, Cl. 152—176.

Lugten, Leonardus K., to Automatic Electric Laboratories, Inc. Electronic branching circuit. 3,258,536, 6-28-66, Cl. 179—15.

Luhmann, Reinhold, to Siemen & Hinsch m.b.H. Pumps. 3,252,421, 5-24-66, Cl. 103—96.

Lühmann, Reinhold, to Siemen & Hinsch m.b.H. Pumps. 3,280,752, 10-25-66, Cl. 103—96.

Lühmann, Reinhold, W. Hagemann, and H. Kath, to Siemen & Hinsch m.b.H. Pumps. 3,260,215, 7-12-66, Cl. 103—96.

Luhn, Hans P., to International Business Machines Corp. Apparatus for winding and assembling magnetic cores. 3,273,135, 9-13-66, Cl. 340—174.

Luhn, Hans P., to International Business Machines Corp. Information retrieval. 3,293,619, 12-20-66, Cl. 340—172.5.

Luhrs, Arthur G., to General Signal Corp. Vehicle detection and control system. 3,251,990, 5-17-66, Cl. 246—167.

Luijten, Johannes G. A., to North American Philips Co., Inc. Method of killing fungi with bis(triphenyltin)oxide. 3,248,-283, 4-26-66, Cl. 167—30.

Luik, Frank D., to Artco Inc. Switch mount and protector. 3,291,953, 12-13-66, Cl. 200—172.

Luipersbeck, Francis J.: *See*—
Richter, Philip, Luipersbeck, and Czarnecki. 3,285,217.
Richter, Philip, Smith, and Luipersbeck. 3,270,801.

Luiset, Gilbert: *See*—
Besson, Paul, and Luiset. 3,274,251.

Luiten, Willem: *See*—
Essers, Wilhelmus G., Luiten, Tichelaar, and van der Willigen. 3,277,527.

Luis, Anthony D. Wheel block assembly. 3,280,943, 10-25-66, Cl. 188—32.

Lukas, Edwin J.: *See*—
Sheppard, William L. 3,282,288.

Lukas, George A. Air circulatory insole. 3,274,708, 9-27-66, Cl. 36—3.

Luke, Chester A. Automatic coil winder. 3,270,970, 9-6-66, Cl. 242—9.

Luke, George H., to Bristol Repetition Ltd. Automatic lathes and like machine tools. 3,273,431, 9-20-66, Cl. 82—2.5.

Luke, George W., Jr., H. H. George, and L. H. Schwerdtfeger, to United States of America, Navy. Parabolic antenna with high speed spinner near focus for scanning. 3,230,534, 1-18-66, Cl. 343—754.

Luke, Jack. Coin push chute. 3,265,179, 8-9-66, Cl. 194—92.

Luke, John L.: *See*—
Weir, Donald G., and Luke. 3,254,814.

Luke, Louzelle A.: *See*—
Belcourt, Francis J., and Luke. 3,290,661.

Luke, Louzelle A., to Sperry Rand Corp. Digital data transfer circuit utilizing tunnel diodes. 3,274,555, 9-20-66, Cl. 340—172.5.

Luke, Robert E., and M. M. Robinson, to Shell Oil Co. Seismometer. 3,281,778, 10-25-66, Cl. 340—17.

Luken, Robert E., to Phillips Petroleum Co. Foam control in separation of hydrocarbons. 3,264,365, 8-2-66, Cl. 260—683.3.

Lukens Steel Co.: *See*—
Bintzer, William W., and Alexander. 3,237,909.
Ma, Jame L. 3,237,298.

Luker, Jackson M. Foil bake pan. 3,262,668, 7-26-66, Cl. 249—117.

Lukes, George E., and A. H. Freiberg, to Stauffer Chemical Co. Aryl sulfonylmethyl isothiocyanates. 3,244,740, 4-5-66, Cl. 260—454.

Lukes, George E., and M. B. McClellan, to Stauffer Chemical Co. Inhibiting the growth of bacteria and fungi with application thereto of 2-bromo-indanone-1 or 2,2-dibromo-indanone-1. 3,247,057, 4-19-66, Cl. 167—30.

Lukesch, Heinz: *See*—
Bechmann, Gunther, Lukesch, and Rambacher. 3,243,346.
Sender, Heinrich, and Lukesch. 3,234,098.

Luketa, Frank J. Releasable float for trawl nets. 3,226,876, 1-4-66, Cl. 43—43.1.

Luketa, Frank J. Control mechanism for trawl hauling winch. 3,230,790, 1-25-66, Cl. 74—469.

Luketa, Frank J. Invertible trawl door with resilient edge and adjustable ballasting. 3,231,998, 2-1-66, Cl. 43—9.

Luketa, Frank J. Trawl winch mounting. 3,235,206, 2-15-66, Cl. 248—23.

Luketa, Frank J. Method of hauling a trawl net. 3,287,337, 3-1-66, Cl. 43—4.5.

Luketa, Frank J. Trawl door with longitudinal anterior vanes. 3,247,612, 4-26-66, Cl. 43—9.

Luketa, Frank J. Trawl bobbin and chafing apron assembly. 3,250,035, 5-10-66, Cl. 43—9.

Luketa, Frank J. Composite link couplers for trawl nets. 3,256,578, 6-21-66, Cl. 24—123.

Luketa, Frank J. Fish sorting trough for trawlers. 3,257,-008, 6-21-66, Cl. 214—15.

Luketa, Frank J. Trawl winch mounting adjusting method. 3,268,996, 8-30-66, Cl. 29—407.

Luketa, Frank J. Trawl door and bridle apparatus for same. 3,269,048, 8-30-66, Cl. 43—9.

Luketa, Frank J. "G" hook couplers. 3,280,438, 10-25-66, Cl. 24—201.

Luketa, Frank J. Progressively flooding trawl doors. 3,281,-980, 11-1-66, Cl. 43—9.

Lukoff, Herman, J. P. Eckert, Jr., and W. F. Schmitt, to Sperry Rand Corp. Computer cycling and control system. 3,254,329, 5-31-66, Cl. 340—172.5.

Lukrec, Aron. Apparatus for automatically performing chemical analyses. 3,269,800, 8-30-66, Cl. 23—259.

Luks, Daniel W., to Frenchtown Porcelain Co. Ceramic products and process of making same. 3,291,619, 12-13-66, Cl. 106—46.

Luksch, Andreas, and N. F. Brown, to G. H. Tennant Co. Surface conditioning machine. 3,266,846, 8-16-66, Cl. 299—39.

Lula, Remus A., and W. G. Renshaw, to Allegheny Ludlum Steel Corp. Corrosion-resisting steel and method of processing. 3,250,611, 5-10-66, Cl. 75—126.

Lula, Remus A., and H. E. McCune III, to Allegheny Ludlum Steel Corp. Martensitic steel. 3,288,611, 11-29-66, Cl. 75—128.

Lulay, Arthur, and J. T. Lund, to E. I. du Pont de Nemours and Co. Pill-resistant yarns. 3,279,163, 10-18-66, Cl. 57—140.

Lulham, Cedric M.: *See*—
Phillips, Cyril H., Lulham, and Lyall. 3,249,216.

Lulle, Albert L., and W. A. Stewart, to Koppers Co., Inc. Slitter-scorer apparatus having automatic adjusting means. 3,257,882, 6-28-66, Cl. 83—9.

Luloff, Jerome, and Y.-H. Chiang, to Shulton, Inc. Sulfinamides as neutralizers in permanent-waving of the hair. 3,253,993, 5-31-66, Cl. 167—87.1.

Lum, Arthur B.: *See*—
Baker, Edward S., and Lum. 3,267,260.

Lum, David W., and K. Koch, to National Distillers and Chemical Corp. Liquid phase process for the preparation of unsaturated esters by the oxidation of olefins with a Group VIII noble metal catalyst in the presence of an organic copper salt and a nitrile. 3,227,747, 1-4-66, Cl. 260—497.

Lum, Donald, to Rochester Envelope Co., Inc. Envelope. 3,265,288, 8–9–66, Cl. 229—78.

Lum, Donald, to Rochester Envelope Co., Inc. Envelope. 3,281,061, 10–25–66, Cl. 229—78.

Lum, Jack G. S.: *See*
Andersen, Robert A., and Lum. 3,245,004.

Lum, Quon C. Building structure and method of erecting same. 3,258,888, 7–5–66, Cl. 52—251.

Lum, Quon C. Roadway structure and method of making same. 3,272,096, 9–13–66, Cl. 94—1.

Lum, Robert L.: *See*
Feinleib, Morris, and Lum. 3,293,476.

Lumbermatic, Inc.: *See*
Fehely, Glenn D. 3,247,963.
Fehely, Glenn D. 3,288,268.

Lumbroso, Daniel, F. Coussemant, and M. Hellin, to Institut Francais du Petrole, des Carburants et Lubrifiants. Production of high purity isoprene. 3,270,082, 8–30–66, Cl. 260—681.

Luminous Ceilings, Inc.: *See*
Segil, Arthur W., and White. 3,258,587.

Lummis, Eddie M. Fastening device. 3,231,950, 2–1–66, Cl. 24—73.

Lummis, William L.: *See*
Bergy, Malcolm E., and Lummis. 3,272,709.

Lummus Co., The: *See*
Bogart, Marcel J. P. 3,270,078.
Gessner, Adolf W. 3,294,625.
Gold, Daniel H. 3,255,252.
Guerrieri, Salvatore A. 3,267,910.
Guerrieri, Salvatore A. 3,269,363.
Guerrieri, Salvatore A. 3,269,465.
Guerrieri, Salvatore A. 3,276,436.
Guerrieri, Salvatore A., and Bogart. 3,285,834.
O'Connor, Ward F. 3,269,184.
Palchik, Edward H., O'Sullivan, and Tucker. 3,274,978.
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Lung, Kenneth R., to The Tait Mfg. Co. Pumps. 3,274,942, 9–27–66, Cl. 103—87.

Lung, Kenneth R., to The Tait Mfg. Co. Flow control valve and switch. 3,283,094, 11–1–66, Cl. 200—81.9.

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Levecque, Marcel, Mabru, and Charpentier. 3,285,723.
Mabru, Marcel, to Compagnie de Saint-Gobain. Process for the manufacture of fine fibers of organo thermoplastic material. 3,231,639, 1–25–66, Cl. 264—12.
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Macare, Gabriel. Ceremonial font. 3,294,288, 12–27–66, Cl. 222—78.
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MacArthur, John G., to The Bunker-Ramo Corp. Clock pulse counter. 3,230,383, 1–18–66, Cl. 307—38.
Macarus, David P., and C. L. Royal, to A. E. Staley Mfg. Co. Method for purifying amylose. 3,238,064, 3–1–66, Cl. 127—69.

Macatician, John. Heat radiation protected thermocouple. 3,284,246, 11–8–66, Cl. 136—231.
Macatician, John, and J. Nanigian, to Nanmac Corp. Electrical gauge for sensing the amount of erosion of a solid material. 3,236,096, 2–22–66, Cl. 73—86.
Macaulay, Angus J., to General Electric Co. Oven door with self-contained counter-balancing means. 3,263,674, 8–2–66, Cl. 126—191.
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MacCallum, Robert B., to W. R. Grace & Co. Preparation of ferric oxide sols and sol particles. 3,267,041, 8–16–66, Cl. 252—313.
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Pottier, Paul, and Macchiaverna. 3,265,471.
Macchini, Mario. Bending machines and the like. 3,238,755, 3–8–66, Cl. 72—212.
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MacCracken, Calvin D., to Calmac Mfg. Corp. Oil-fired water and air heating system. 3,241,763, 3–22–66, Cl. 237—2.
MacCracken, Calvin D., to Calmac Corp. Mass-production low-cost furnace for supplying high-temperature, high-velocity air for domestic heating. 3,274,990, 9–27–66, Cl. 126—110.
MacCready, Paul B., Jr., to Meteorology Research, Inc. Universal turbulence indicator. 3,272,973, 9–13–66, Cl. 235—151.3.
MacCready, Paul B., Jr., to Meteorology Research, Inc. Universal turbulence indicator. 3,272,974, 9–13–66, Cl. 235—151.3.
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MacDonald, Benjamin R. F. Convertible hospital bed-chair. 3,239,853, 3–15–66, Cl. 5—68.
MacDonald, Donald, to Owens-Corning Fiberglas Corp. Fibrous acoustical panel with continuously adhered surface film and method of making same. 3,255,843, 6–14–66, Cl. 181—33.
MacDonald, Edwin P. Seat belt controlled warning system. 3,237,710, 3–1–66, Cl. 180—82.
MacDonald, Frederick J., and A. A. Cook, to Arkansas Co., Inc. Product and process for rendering pile fabrics soil resistant. 3,293,178, 12–20–66, Cl. 252—8.8.
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MacDonald, Gilmour C. Method of preparing a sintered incendiary bomblet. 3,254,996, 6–7–66, Cl. 75—206.
MacDonald, Hugh D., Jr., and N. J. Waecker, to United States of America, Army. Dual thrust catapult ejector. 3,282,161, 11–1–66, Cl. 89—1.818.
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MacDonald, John, and T. W. Butler, Jr., to Mechanical Products, Inc. Push button type circuit breaker with cross-slide. 3,287,523, 11–22–66, Cl. 200—116.
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MacDonald, John G. Hydrostatic transmission systems and controls. 3,293,943, 12–27–66, Cl. 74—687.
MacDonald, John S. Spring casting gun. 3,245,170, 4–12–66, Cl. 43—19.
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MacDonald, Murdo A., to Tru-Tork, Inc. Article-feeding apparatus having article trackways with varying clearances. 3,266,667, 8–16–66, Cl. 221—177.
MacDonald, Murdo A., to Tru-Tork, Inc. Article-feed apparatus having an article transfer means and fluid means to propel articles through a tube. 3,275,191, 9–27–66, Cl. 221—175.
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MacDonald, Winfred A., to Star Brush Mfg. Co., Inc. Paint brush. 3,231,919, 2–1–66, Cl. 15—174.
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MacDowell, John F., to Corning Glass Works. Glass body having surface crystalline layer thereon and method of making it. 3,275,493, 9–27–66, Cl. 161—1.
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MacFee, Norman W., to Talon, Inc. Method of manufacturing slide fastener stringers. 3,268,646, 8–23–66, Cl. 264—285.
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Macgeorge, William D., to Honeywell Inc. Electronic control system. 3,283,233, 11–1–66. Cl. 318—138.
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MacGriff, Jack E. Electron emission control tube and method. 3,283,069, 11–1–66, Cl. 178—6.6.
MacGuire, Andrew E., ⅓ each to H. Roby, P. Stewart, and A. J. Male. Heating panel. 3,265,658, 8–9–66, Cl. 219—345.
Mach, Charles A., to General Electric Co. Photoflash lamp filling machine. 3,280,859, 10–25–66, Cl. 141—80.
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Johnston, Edward J., and Macha. 3,253,395.
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Machan, Antonin, and L. Dubny, to Meopta, Narodni Podnik. Tripod base. 3,270,994, 9–6–66, Cl. 248—187.
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Machell, Greville, and M. A. Thomas, to Deering Milliken Research Corp. Method of forming polymers on fibrous substrates through high velocity impingement with solutions containing unsaturated monomers and chemical catalyst. 3,291,560, 12–13–66, Cl. 8—116.
Machen, James F. Ladder holder. 3,269,486, 8–30–66, Cl. 182—170.
MacHenry, Richard, to FMC Corp. Method of preparing rayon tying twine. 3,287,894, 11–29–66, Cl. 57—164.
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Macher, Karl, and G. Klemt, to Jos. Schneider & Co. Four-component varifocal attachment with movable negative lens members. 3,267,803, 8–23–66, Cl. 88—57.
Macher, Karl, R. Solisch, and W. Woltche, to Josef Schneider & Co. Objective system comprising a principal objective and a four-component attachment. 3,273,457, 9–20–66, Cl. 88—57.
Macher, Karl H., to Jos. Schneider & Co. Four-component objective having two movable components. 3,274,887, 9–27–66, Cl. 88—57.
Machida, Kazuo, and T. Isobe, to Tokuyama Soda Kabushiki Kaisha. Method of preparing a polymerization catalyst for olefin polymers. 3,239,497, 3–8–66, Cl. 260—93.7.
Machida, Yoshihiro, and F. Nishida, to Dainippon Screen Seizo Kabushiki Kaisha (Dainippon Screen Mfg. Co., Ltd.). Electronic engraving machine. 3,264,889, 8–9–66, Cl. 74—110.
Machiedo, Juraj L., 50% to R. A. Erins. Method for propagating photosynthetic microorganisms. 3,243,918, 4–5–66, Cl. 47—1.4.
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Machleidt, Hans, R. Wessendorf, and G. Strehlke, to E. R. Squibb & Sons Inc. Fluorinated Vitamin A compounds. 3,281,440, 10–25–66, Cl. 260—408.
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Machts, Joachim, H. Luthe, L. Bohm, H. Rummer, and J. Seebeck, to Telefunken Patentverwertungs-G.m.b.H. Switch. 3,276,274, 10–4–66, Cl. 74—10.27.
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Bullock, Austin L., Vail, and Mack. 3,294,779.
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Mack, Charles H., and S. E. Ellzey, to United States of America, Agriculture. Process for the preparation of tris (N-methylarylamino) borines from aryl isocyanates, isothiocyanates and isocyanate generators. 3,270,048, 8–30–66, Cl. 260—551.
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Mack, George R., to General Aniline & Film Corp. Epoxy ether resin-lactone compositions. 3,294,743, 12–27–66, Cl. 260—47.
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Mack, Harold J., and A. F. Scarcelli, to United States of America, Navy. Shipping and launching container. 3,266,-372, 8–16–66, Cl. 89—1.5.
Mack, Harold J., and J. E. and D. F. Smith, to United States of America, Navy. Release mechanism. 3,266,833, 8–16–66, Cl. 294—83.
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MacKay, Kenneth H., deceased; G. L. MacKay, K. H. MacKay, Jr., and J. F. MacKay, co-executors. Service receptacle. 3,229,946, 1–18–66, Cl. 248—311.
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MacKay, Kenneth H. 3,229,946.
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Mackenzie, Alan K., to E. I. du Pont de Nemours and Co. Polyfluoropolyoxa-alkanamidoalkyl compounds. 3,274,244, 9–20–66, Cl. 260—561.
MacKenzie, Alasdair, and N. M. Sutherland, to United Kingdom Atomic Energy Authority. Apparatus for sensing the decay rate of radio-active materials. 3,242,337, 3–22–66, Cl. 250—83.3.
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MacKenzie, James C., and A. Orzechowski, to Cabot Corp. Process for copolymerization of diverse polar monomers. 3,285,876, 11–15–66, Cl. 260—66.
MacKenzie, James C., and A. Orzechowski, to Cabot Corp. Polymerization of vinyl heterocyclic compounds. 3,285,892, 11–15–66, Cl. 260—85.7.
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MacKenzie, James C., and A. Orzechowski, to Cabot Corp. Polymerization of vinyl esters. 3,285,895, 11–15–66, Cl. 260—89.1.
MacKenzie, James C., and A. Orzechowski, to Cabot Corp. Polymerization of vinyl ethers. 3,285,896, 11–15–66, Cl. 260—91.1.
MacKenzie, James C., and A. Orzechowski, to Cabot Corp. Process for the polymerization and copolymerization of halogenated mono- and di-olefins. 3,285,898, 11–15–66, Cl. 260—92.3.
MacKenzie, James C., and J. A. Yancey, to Cabot Corp. Process and catalyst for the polymerization of acrylic monomers. 3,288,771, 11–29–66, Cl. 260—88.7.
Mackenzie, John D., and S. P. Mitoff, to General Electric Co. Semiconducting glass. 3,258,434, 6–28–66, Cl. 252—519.
MacKenzie, Joseph H., and A. F. Paddock, to Cook Electric Co. Line protector. 3,255,330, 6–7–66, Cl. 200—124.
MacKenzie, Kenneth R., to R. A. Cornog. Vacuum pump. 3,292,844, 12–20–66, Cl. 230—69.
MacKenzie, Kenneth R., to R. A. Cornog. Apparatus for obtaining controlled production of charged particles. 3,293,-490, 12–20–66, Cl. 315—111.
MacKenzie, Kenneth W. Golf putting trainer. 3,275,325, 9–27–66, Cl. 273—179.
MacKenzie, William F., D. E. Ripley, A. W. Rockwell, Jr., L. F. Stanton, and H. N. MacRae, to United Shoe Machinery Corp. Heel attaching machines. 3,249,278, 5–3–66, Cl. 227—1.
MacKeown, Graeme J. Shave cream heaters. 3,263,744, 8–2–66, Cl. 165—47.
Macker, John A., and R. C. Simonsen, to Burroughs Corp. Synchronized reading apparatus. 3,229,073, 1–11–66, Cl. 235—61.11.
Mackey, E. Scudder, A. Ben-Ezra, and F. E. Woodward, to General Aniline & Film Corp. Antistatic photographic film. 3,264,108, 8–2–66, Cl. 96—85.
Mackey, Robert J., Jr.: *See*—
Hurdle, Burton G., and Mackey. 3,229,245.
Mackey, William E. Auto date tray. 3,244,125, 4–5–66, Cl. 108—25.
Mackie, Charles G.: *See*—
Corlett, Webster D., Mackie, and Moen. 3,286,935.
Mackie, Harry A., to General Motors Corp. Diaphragm construction for air cushion device. 3,243,004, 3–29–66, Cl. 180—7.
Mackie, Harry A., to General Motors Corp. Air bearing support with automatic air flow regulation. 3,245,487, 4–12–66, Cl. 180—7.
Mackie, Harry A., to General Motors Corp. Anti-drift air cushion load supporting device. 3,246,712, 4–19–66, Cl. 180—7.
Mackie, Harry A., to General Motors Corp. Labyrinth air caster and method of manufacture thereof. 3,251,431, 5–17–66, Cl. 180—7.
Mackie, Harry A., to General Motors Corp. Multiple elevation air bearing device. 3,253,667, 5–31–66, Cl. 180—7.
Mackie, Harry A., to General Motors Corp. Multiple pad air cushion support. 3,260,322, 7–12–66, Cl. 180—7.
Mackie, Harry A., to General Motors Corp. Collapsible cell for transporting liquids. 3,282,361, 11–1–66, Cl. 180—7.
Mackie, James, & Sons Ltd.: *See*—
Mackie, John K. P. 3,264,813.
Mackie, John K. P., to James Mackie & Sons Ltd. Two-for-one twisting or spinning machine. 3,264,813, 8–9–66, Cl. 57—58.76.
Mackie, Ronald D., to E. W. Lincoln, Jr., and W. E. Mousavires. Fuel dispenser. 3,254,795, 6–7–66, Cl. 222—20.
Mackiernan, Angus W.: *See*—
Abbott, James D., Chandler, Flaherty, Mackiernan, and Lamboy. 3,238,675.
Mackiewicz, Czeslaw, to Harvey Hubbell, Inc. Electrical power control unit having a switch and connector with safety interlock. 3,286,051, 11–15–66, Cl. 200—50.
Mackin, Melba H. Petri dishes. 3,248,302, 4–26–66, Cl. 195—139.
MacKinnon, Charles E., to International Salt Co. Production of high purity sodium chloride brine by multistage leaching. 3,236,609, 2–22–66, Cl. 23—312.
MacKinnon, Charles E., to International Salt Co., Inc. Salt dissolver apparatus. 3,281,212, 10–25–66, Cl. 23—272.
Mackinnon, Hugh M.: *See*—
Ferrier, Duncan C., Parr, and Mackinnon. 3,229,330.
Mackinnon, John, and A. A. Austin, to Esso Research and Engineering Co. Sulfoxidation process. 3,260,741, 7–12–66, Cl. 260—513.
MacKinnon, Michael J., to Bell Aerospace Corp. Means for preventing high temperature seizing. 3,294,682, 12–27–66, Cl. 252—25.
Mackintosh, Charles. Grandstands. 3,289,367, 12–6–66, Cl. 52—191.
Mackiw, Vladimir N.: *See*—
Zubryckyj, Nicolas, Mehl, and Mackiw. 3,244,513.
Mackiw, Vladimir N., and H. Veltman, to Sherritt Gordon Mines Ltd. Aqueous acid oxidation of copper bearing mineral sulphides. 3,241,950, 3–22–66, Cl. 75—117.
Mackiw, Vladimir N., D. J. I. Evans, and V. Kunda, to Sherritt Gordon Mines Ltd. Process for desulphurizing metal and metal alloy particles. 3,256,088, 6–14–66, Cl. 75—224.
Mackiw, Vladimir N., N. Yoshida, T. Krantz, and R. W. Fraser, to Sherritt Gordon Mines Ltd. Process for the production of wrought nickel strip and sheet of low hardness. 3,268,368, 8–23–66, Cl. 148—11.5.
Mackiw, Vladimir N., D. J. I. Evans, and W. Kunda, to Sherritt Gordon Mines Ltd. Method of leaching high grade nickel matte. 3,293,027, 12–20–66, Cl. 75—119.
Macklem, F. Sutherland, to Equipment Development Corp. Electrophotographic printing method. 3,288,605, 11–29–66, Cl. 96—1.
Macklin, Jacob J. Facsimile pen. 3,233,543, 2–8–66, Cl. 101—330.
Macklin, Lance. Protective visors or face shields for the drivers and other occupants of vehicles. 3,293,660, 12–27–66, Cl. 2—9.
Macklin, Lester, to Anaconda Wire and Cable Co. Apparatus for supporting elongated articles. 3,245,511, 4–12–66, Cl. 193—37.
Macko, Edward: *See*—
Beckett, Arnold H., and Macko. 3,256,149.
Mackta, Leo. Optic wave modulation method and apparatus using a rotating diffraction grating. 3,267,284, 8–16–66, Cl. 250—199.
MacKusick, Meredith H.: *See*—
Parent, Gordon C. J., Luther, Bulgrin, and MacKusick. 3,266,702.
Mackworth, Norman H., and E. R. C. L. Thomas. Visual concentration observation system. 3,236,578, 2–22–66, Cl. 351—7.
MacLane, Alan B.: *See*—
Andresen, Jack S., and MacLane. 3,273,059.
MacLaren, Donald D., to Esso Research and Engineering Co. Countercurrent hydrotreating process. 3,234,121, 2–8–66, Cl. 208—264.
MacLaren, Donald D., to Esso Research and Engineering Co. Hydrofining and hydrocracking process. 3,272,734, 9–13–66, Cl. 207—110.

Maclay, John C., to Bell Telephone Laboratories, Inc. Cable laying plow. 3,286,476, 11–22–66, Cl. 61—72.6.

Maclay, William R., to International Business Machines Corp. Method of recording and reproducing information in which a plurality of parallel data tracks are overlapped. 3,243,-788. 3–29–66, Cl. 340—174.1.

MacLean, Alexander F., to Celanese Corp. of America. Preparation of acetic acid esters. 3,228,971, 1–11–66, Cl. 260—465.4.

MacLean, Alexander F., and A. L. Stautzenberger, to Celanese Corp. of America. Condensations. 3,258,494, 6–28–66, Cl. 260—610.

MacLean, Alexander F., and G. M. Burlingame, to Celanese Corp. of America. Production of alpha, omega-substituted alkanes. 3,285,981, 11–15–66, Cl. 260—659.

MacLean-Fogg Lock Nut Co.: *See*—
Batey, Truman R. 3,294,354.

MacLean, John A., III, and Couillais. 3,233,259.

MacLean, John A., III, deceased (by J. D. MacLean, administrator), and Y. A. Couillais, to MacLean-Fogg Lock Nut Co. Means for feeding apertured blanks to a thread forming apparatus. 3,233,259, 2–8–66, Cl. 10—139.

MacLean, Joy D.: *See*—
MacLean, John A., III, and Couillais. 3,233,259.

MacLean, William D., K. C. Graham, C. L. Faust, J. G. Beach, and G. R. Schaer; said MacLean, Graham, Faust, and Beach, assors., to Diamond Alkali Co. Chromium plating. 3,232,854, 2–1–66, Cl. 204—51.

MacLellan, James A., to Sherritt Gordon Mines Ltd. Hydraulic hoisting. 3,269,777, 8–30–66, Cl. 302—14.

MacLennan, Alastair S., to Ford Motor Co. Temperature and pressure responsive filler cap. 3,284,004, 11–8–66, Cl. 236—92.

Maclennan, Norman D., to Imperial Tobacco Co. of Canada Ltd. Cigar packaging machine. 3,273,306, 9–20–66, Cl. 53—186.

MacLeod, David E.: *See*—
Bell, William W., Jr., and MacLeod. 3,273,843.

MacLeod, Donald A.: *See*—
Howell, Jesse O., and MacLeod. 3,275,754.

MacLeod, Donald A., to American Telephone and Telegraph Co. Telephone subscriber's line circuit. 3,283,083, 11–1–66, Cl. 179—99.

MacLeod, Donald A., to American Telephone and Telegraph Co. Make busy line circuit for key telephone systems. 3,293,370, 12–20–66, Cl. 179—18.

MacLeod, Donald B.: *See*—
Sperry, John D., Siegel, and MacLeod. 3,235,200.

MacLeod, Norman A.: 36% to R. Welton, 18% to W. A. Selle, and 10% to F. F. Reed. Means and method for self-pressure cycling of limbs to improve blood circulation. 3,286,-711, 11–22–66, Cl. 128—40.

MacLeod, Norman A.: 36% to R. W. Whann, 18% to W. A. Selle, and 10% to F. F. Reed. Means and method for controlled pulsatory flow of blood to improve circulation. 3,292,613, 12–20–66, Cl. 128—40.

Macleod, Roderick B., and P. Paliyenko, to Fiber Industries, Inc. Process for preparing thick and thin novelty yarns. 3,275,732, 9–27–66, Cl. 264—290.

MacMahon, Cornelius J., N. De Fluri, and A. Michlowitz. Display dispensing unit. 3,245,738, 4–12–66, Cl. 312—35.

MacManus, John. Method and apparatus for depositing whipped products on confections. 3,230,906, 1–25–66, Cl. 107—54.

MacManus, John. Apparatus for depositing whipped products on confections. 3,230,926, 1–25–66, Cl. 118—24.

MacManus, John. Method and apparatus for decorating pastry and the like. 3,285,202, 11–15–66, Cl. 107—54.

MacMaster, Malcolm: *See*—
Brennan, James H., and MacMaster. 3,289,432.

MacMillan, Bloedel and Powell River Ltd.: *See*—
Hallonquist, Earland G., Jaworsky, and Sturmlinger. 3,287,855.

MacMillan, C. W.: *See*—
Hyndman, Joseph W. 3,272,064.

MacMillan, Charles W., to Bear Mfg. Co. Process of and apparatus for determining the steering axis inclination of automobile wheels. 3,234,656, 2–15–66, Cl. 33—203.18.

MacMillan, Donald B. Water ski autogyro. 3,272,457, 9–13–66, Cl. 244—17.11.

MacMillan, Donald M., deceased; K. T. MacMillan, executor. Loader device for a replaceable tire retreading matrix. 3,233,284, 2–8–66, Cl. 18—2.

MacMillan James G. Safety adaptor for manholes. 3,263,-580, 8–2–66, Cl. 93—34.

MacMillan, Kenneth T.: *See*—
MacMillan, Donald M. 3,233,284.

MacMillan, Melvin J.: *See*—
Ely, Charles M., De Luca, and MacMillan. 3,293,131.

MacMillan, Paul E. Mitering tool. 3,227,025, 1–4–66, Cl. 83—581.

MacMillan, Raymond A., to United States of America, Air Force. Comparison circuit. 3,268,823, 8–23–66, Cl. 328—155.

MacMillan Ring-Free Oil Co., Inc.: *See*—
McEachran, Paul R., and Schmitt. 3,257,231.

MacMillin, David M., and A. Arnason, to Bell & Howell Co. Manually powered zooming mechanism. 3,259,044, 7–5–66, Cl. 95—45.

MacMullan, Eugene C., to Esso Research and Engineering Co. Fractionator control system using an analog computer. 3,282,799. 11–1–66, Cl. 203—2.

MacMurray, Daniel P., to E. I. du Pont de Nemours and Co. Plastic covered wire bag tie and method of closing. 3,290,-854, 12–13–66, Cl. 53—14.

Macnab, Robert M.: *See*—
Anstey, Roger H., and Macnab. 3,284,346.

MacNair, Richard N.: *See*—
Emerson, William S., MacNair, and Wang. 3,275,681.

MacNeill, Arden B., to MacNeill Engineering Co., Inc. Golf spike receptacles and anchor plate combination. 3,237,323, 3–1–66, Cl. 36—59.

MacNeill Engineering Co., Inc.: *See*—
MacNeill, Arden B. 3,237,323.

MacNeill, John H.: *See*—
Burchfield, James A., Bellinger, and MacNeil. 3,291,041.
Halbert, Silas R., and MacNeill. 3,245,681.

MacNeill, John H., to Soroban Engineering, Inc. Solenoid actuated reader. 3,231,720, 1–25–66, Cl. 235—61.11.

MacNeill, John H., and J. E. Bellinger, Jr., to Soroban Engineering, Inc. Card feed mechanism. 3,231,263, 1–25–66, Cl. 271—3.

MacNeil, John H., and J. E. Bellinger, to Soroban Engineering, Inc. High speed card punch mechanism. 3,232,-525, 2–1–66, Cl. 234—33.

MacNeill, John H., and J. E. Bellinger, Jr., to Soroban Engineering, Inc. Strip-printer punch. 3,236,353, 2–22–66, Cl. 197—133.

MacNulty, Victor M.: *See*—
Lennon, John J., and MacNulty. 3,290,016.

Macoid Industries, Inc.: *See*—
Bradley, Stephen D. 3,240,648.

Macomber, James K., to Consolidated Lithographing Corp. Band ribbon feeding mechanism. 3,293,964, 12–27–66, Cl. 83—86.

Macomson, Wistar W., to Allied Plastics, Inc. Protector for vehicle windshields and windows. 3,263,736, 8–2–66, Cl. 160—368.

Macomson, Wistar W. Web tensioner and spreader. 3,268,-142, 8–23–66, Cl. 226—195.

Macomson, Wistar W., 50% to C. D. Page, Jr. Apparatus for treating web material with a treating fluid. 3,285,039, 11–15–66, Cl. 68—62.

Macondray, Stewart A., and A. C. Edwards. Clip dispensing and attaching apparatus. 3,254,308, 6–7–66, Cl. 29—212.

Macovski, Albert, to Sanford Research Institute. Bandwidth reduction facsimile system. 3,243,507, 3–29–66, Cl. 178—6.

Macovski, Albert, E. D. Jones, H. F. Frohbach, and D. G. Remington, to Metromedia, Inc. Half-tone color display generating system. 3,230,303, 1–18–66, Cl. 178—5.2.

MacPeek, Donald L.: *See*—
Tinsley, Samuel W., and MacPeek. 3,238,227.

MacPennys Mist Propagation Ltd.: *See*—
Frampton, Ronald C. 3,272,225.

MacPhail, Alexander C. B.: *See*—
Waight, Francis H., MacPhail, and Southern. 3,275,-555.

MacPhail, Alexander C. B., F. H. Waight, and D. Southern, to Shell Oil Co. Synthetic ester lubricating oil containing certain haloalkyl carboxylic acid esters. 3,260,672, 7–12–66, Cl. 252—54.6.

MacPhail, Malcolm R.: *See*—
Sasseen, John H., MacPhail, and Wischmeyer. 3,275,-981.

MacPherson, Allan. Process of making moccasin type shoes. 3,262,141, 7–26–66, Cl. 12—142.

MacPherson, Allan. Process of making welt shoes. 3,270,357, 9–6–66, Cl. 12—142.

MacPherson, Arthur R., and R. C. Meaders, to Nordberg Mfg. Co. Electrical control system for grinding mill. 3,253,744, 5–31–66, Cl. 222—56.

Macpherson, Ian A., and M. G. P. Stoker, to National Research Development Corp. Virus culture. 3,228,840, 1–11–66, Cl. 167—78.

MacPherson, James R.: *See*—
Sargent, William H., and MacPherson. 3,228,188.
Sargent, William H., and MacPherson. 3,258,917.

MacPherson, John G. Dice cup. 3,269,732, 8–30–66, Cl. 273—145.

MacQueen, Donald K.: *See*—
Gilliland, Robert E., MacQueen, and Dixon. 3,281,351.

MacRae, Allister S., and J. C. Martin, to Diesel Equipment Ltd. Hydraulic loading devices. 3,275,170, 9–27–66. Cl. 214—75.

MacRae, James, to Accelerated Instruction Methods Corp. Self-teaching educational device. 3,251,141, 5–17–66, Cl. 35—9.

MacRae, John R. Stepping stones. 3,267,823, 8–23–66, Cl. 94—13.

Macri, Bruno J.: *See*—
Godfrey, John N., and Macri. 3,290,190.

MacRitchie, Arthur L., and G. E. Conklin, to Esso Research and Engineering Co. Thermocouple calibration system. 3,270,547, 9–6–66, Cl. 73—1.

MacRobbie, Robert, to Richmond Screw Anchor Co., Inc. Cable connector. 3,262,724, 7–26–66, Cl. 287—83.

MacRobbie, Robert M., to Richmond Screw Anchor Co., Inc. Brace. 3,229,950, 1–18–66, Cl. 248—354.

MacSorley, Olin L., and F. R. Bielawa, to International Business Machines Corp. Multiplier. 3,253,131, 5–24–66, Cl. 235—159.

MacSpadden, Floyd E., to Continental Oil Co. Air fueling system. 3,255,771, 6–14–66, Cl. 137—355.12.

Mac Valves, Inc.: *See*—
Ludwig, Walter D., and Bowman. 3,294,106.

MacVittie, Russell L., to Union Carbine Corp. Process for cleaning conduits. 3,272,650, 9–13–66, Cl. 134—7.

MacWilliams, William A., to Western Chemicals Ltd. Process and apparatus for removing water from inorganic material. 3,258,059, 6–28–66, Cl. 159—10.

Macy, Christian D., deceased (by L. G. Macy, special administratrix), and O. H. Lindstrom, to Geo. A. Hormel & Co. Apparatus for and method of trimming fat from hams and the like. 3,237,664, 3–1–66, Cl. 146—241.

Macy, Laura G.: *See*—
Macy, Christian D., and Lindstrom. 3,237,664.

Macy, Robert W. II. Piston ring tool set. 3,287,800, 11–29–66, Cl. 29—222.

Macy, Valentine E., Jr.: *See*—
Allen, Earle F. 3,276,059.

Madansky, Leslie E., to California Piasteck, Inc. Illuminating apparatus. 3,278,740, 10–11–66, Cl. 240—2.1.

Madaras, George W., and C. G. Robinson, to British Celanese Ltd. Method for making embossed cellulose triacetate fabrics. 3,241,994, 3–22–66, Cl. 117—11.

Madaus, Dr., & Co.: *See*—
Madaus, Rolf, Erbring, and Winkler. 3,238,104.

Madaus, Dr., & Co. K.G.: *See*—
Erbring, Hans, and Winkler. 3,238,190.

Madaus, Rolf, H. Erbrig, and W. Winkler, to Dr. Madaus & Co. Reabsorbable aescin composition and method of making. 3,238,104, 3–1–66, Cl. 167—81.

Madden, Charles C., to The Bendix Corp. Turbine speed control. 3,252,685, 5–24–66, Cl. 253—52.

Madden, Donald J. Package of electrical components. 3,237,761, 3–1–66, Cl. 206—65.

Madden, Francis J., to Itek Corp. Stereoscopic panoramic camera. 3,240,139, 3–15–66, Cl. 95—12.5.

Madden, Harold T.: *See*—
Borrelli, Ronald N., Madden, and Olson. 3,277,448.

Madden, James J.: *See*—
Ault, Cyrus F., Friedman, Ganger, and Madden. 3,281,-807.

Madden, Joshua R., and T. R. Cassel, to General Motors Corp. Fuel tank anti-slosh device. 3,294,278, 12–27–66, Cl. 220—93.

Madden, Lemuel A. Power tool safety assembly. 3,246,546, 4–19–66, Cl. 77—5.

Madden, Robert W.: *See*—
Bernier, Jerome R., and Madden. 3,288,984.

Madden, Thomas H.: *See*—
Wisniewski, John C., and Madden. 3,265,093.

Madden, Thomas H., and D. R. Day. Dispensing holder for collapsible tube. 3,262,605, 7–26–66, Cl. 222—103.

Maddock, Ralph B., and R. E. Barbour, to Pako Corp. Method for controlling exposure in a photographic color printer. 3,293,033, 12–20–66, Cl. 96—23.

Maddock, Warren Y.: *See*—
Tumerman, Leon, and Maddock. 3,291,614.

Maddock, William E.: *See*—
Bopp, Cecil W., and Maddock. 3,261,637.

Maddocks, Fred S.: *See*—
Thun, Rudolf E., and Maddocks. 3,271,192.

Maddocks, Keith L., to Henry Simon, Ltd. Means for continuously feeding pulverulent or granular materials. 3,228,-557, 1–11–66, Cl. 222—25.

Maddox, Clara A.: *See*—
Maddox, Richard D. 3,240,867.

Maddox, De Wayne, and R. C. Bracken, to Phillips Petroleum Co. Flow control method and apparatus for absorption. 3,257,772, 6–28–66, Cl. 55—20.

Maddox, James R.: *See*—
Fassero, Anthony T., and Maddox. 3,281,892.

Maddox, James W., to Newport News Shipbuilding and Dry Dock Co. Apparatus for determining salinity of condensed steam in a condenser. 3,267,361, 8–16–66, Cl. 324—30.

Maddox, James W., to Newport News Shipbuilding and Dry Dock Co. Steam drain and reheat device. 3,274,373, 9–20–66, Cl. 219—272.

Maddox, Richard D., deceased (by C. A. Maddox, executrix), to Belden Mfg. Co. Shielded conductor in an extensible cable. 3,240,867, 3–15–66, Cl. 174—69.

Maddox, Robert B., to Robert B. Maddox Associates, Inc. Adjustable support for bed spring. 3,287,745, 11–29–66, Cl. 5—263.

Maddox, Robert B., Associates, Inc.: *See*—
Maddox, Robert B. 3,287,745.

Maddox, Robert L., and R. A. Foos, to The Brush Beryllium Co. Process for producing basic beryllium material of high purity. 3,259,456, 7–5–66, Cl. 23—88.

Maddux, Duane E., to Marine Advisers, Inc. Strain termination coupling. 3,288,913, 11–29–66, Cl. 174—79.

Maddy, Irene F.: *See*—
Goodson, Elmer L., and Maddy. 3,280,896.

Madeira, John B., and R. T. Pearson, to Laboratory for Electronics, Inc. Display marking apparatus. 3,281,853, 10–25–66, Cl. 346—8.

Madeira, John R.: *See*—
Cina, George W., and Madeira. 3,239,284.
Lo Presti, Roy F., and Madeira. 3,240,321.

Madeira, John R., and D. C. Reilly, to Goodman Mfg. Co. Idler assembly. 3,239,285, 3–8–66, Cl. 308—20.

Madeira, William T., to K-D Mfg. Co. Snap ring tool. 3,228,-101, 1–11–66, Cl. 29—229.

Madeira, William T., to K-D Mfg. Co. Hose-clamp deforming pliers. 3,257,874, 6–28–66, Cl. 81—9.3.

Madej, Edward A. Fuel pumps. 3,288,080, 11–29–66, Cl. 103—153.

Madel, Andreas, to The National Cash Register Co. Paper handling equipment for cash registers, calculating and like machines. 3,245,633, 4–12–66, Cl. 242—75.4.

Madelung, Gero, to Messerschmitt A. G. Engine arrangement for short take off aircraft. 3,284,030, 11–8–66, Cl. 244—56.

Madelung, Gero, L. Brauer, and B. Emmerich, to Messerschmitt AG. Flight control arrangement. 3,272,459, 9–13–66, Cl. 244—77.

Mader Cabinet Works: *See*—
Mader, Martin H., and Unger. 3,290,846.

Mader, Martin H., and E. G. Unger, to Mader Cabinet Works. Wall facing. 3,290,846, 12–13–66, Cl. 52—479.

Mader, Paul A., to Securiton A.G. Ionization fire alarm system. 3,235,858, 2–15–66, Cl. 340—214.

Mader, Paul M.: *See*—
Whitmore, Keith E., and Mader. 3,227,550.

Madestau, Larry: *See*—
Spence, Sydney P., Steiner, Madestau, Richardson, and Kaufman. 3,271,470.

Madey, Richard, to Fairchild Hiller Corp. Energetic charged particle detector. 3,254,220, 5–31–66, Cl. 250—83.6.

Madigan, Thomas M., Jr: *See*—
Robbins, Daniel H., Craft, and Madigan. 3,240,115.

Madison Dental Co.: *See*—
Jacobs, Alfred G. 3,136,235.

Madison, Emil A.: *See*—
Bylsma, Simon, Madison, and Sosalla. 3,276,629.

Madison, Frank J. Material handling conveyer. 3,253,416. 5–31–66, Cl. 61—30.

Madison Industries, Inc.: *See*—
Koppelmann, Eldo K. 3,269,353.

Madison, Ira B.: *See*—
Webb, James E. 3,270,501.

Madison, Richard K.: *See*—
Shaw, John T., Gross, and Madison. 3,252,751.

Madison, Theodore C., to United States of America, Navy. Pressure compensated hydrophone. 3,263,209, 7–26–66, Cl. 340—10.

Madison, Theodore N., to Royal Typewriter Co., Inc. Carriage arresting device. 3,260,342, 7–12–66, Cl. 197—65.

Madl, Joseph, Jr. Means providing a coordinated air flow in an enclosure. 3,252,400, 5–24–66, Cl. 98—40.

Madl, Joseph, Jr. Apparatus for decontaminating personnel. 3,285,693, 11–15–66, Cl. 21—61.

Madland, Gabriel, to Youngstown Steel Door Co. Door lock. 3,279,839, 10–18–66, Cl. 292—284.

Madland, Gabriel, and T. Z. Herr, to Youngstown Steel Door Co. Refrigerator car door. 3,252,254, 5–24–66, Cl. 49—210.

Madland, Rolf A., and W. W. Davis, to Parker-Hannifin Corp. Fluid pressure motor with unloading valve. 3,259,026, 7–5–66, Cl. 91—26.

Madland, Thorvald, to The Youngstown Steel Door Co. Door. 3,245,125, 4–12–66, Cl. 20—23.

Madlener, Paul, and O. Pecksen, to Industrie-Werke Karlsruhe Aktiengesellschaft. Igniters for mines. 3,288,067, 11–29–66, Cl. 102—70.

Madnick, Herman, to United States of America, Army. Insulated gloves. 3,267,486, 8–23–66, Cl. 2—164.

Madono, Osamu, to Riken Piston Ring Industrial Co., Ltd. Method of making magnetically anisotropic permanent magnets. 3,234,609, 2–15–66, Cl. 22—211.

Madsen, Elmer W., to The Superior Electric Co. Linear electric motor. 3,265,911, 8–9–66, Cl. 310—12.

Madsen, Elmer W., to The Superior Electric Co. Electric motor control circuit. 3,280,395, 10–18–66, Cl. 318—138.

Madsen, Elmer W., to The Superior Electric Co. Step motor damped by a viscous fluid filling. 3,286,109, 11–15–66, Cl. 310—49.

Madsen, Elmer W., and A. C. Leenhouts, to The Superior Electric Co. Pulse supplying device employing variable-oscillator and presettable counter for controlling speed and direction of motor. 3,241,017, 3–15–66, Cl. 318—138.

Madsen, Niels K. Power driven putty gun. 3,254,806, 6–7–66, Cl. 222—334.

Madsen, Philip. Motion converting means for representing time duration in terms of a position of a movable member. 3,250,139, 5–10–66, Cl. 74—25.

Madsen, Raymond L., and J. Songil, to Beckman Instruments, Inc. Square wave oscillator with low output impedance in all states. 3,227,965, 1–4–66, Cl. 331—113.

Madwed, Albert, to Automatic Casting Corp. Die casting apparatus. 3,270,378, 9–6–66, Cl. 22—70.

Madwin, Paul: *See*—
Wallace, Richard C., Madwin, Herick, and Smullin. 3,232,244.

Maebashi, Shun-Ichi, to H. V. Albrecht. Method of removing carbon-monoxide generated from tobacco. 3,229,697, 1–18–66, Cl. 131—140.

Maecker, Heinz, and W. Frie, to Siemens-Schuckertwerke Aktiengesellschaft. Apparatus for mass separation of reactive gases. 3,230,693, 1–25–66, Cl. 55—209.

Maeda, Hisao. Shielded superwide-band high-frequency transistor amplifier. 3,234,480, 2–8–66, Cl. 330—21.

Maeda, Hisao. High-frequency transformer assembly including shielding means for use with transistor circuitry. 3,234,481, 2–8–66, Cl. 330—31.

Maeda, Hisao. Transistor-type broad band amplifier utilizing a choke coil. 3,274,506, 9–20–66, Cl. 330—21.

Maeda, Kenichi, T. Sakai, and S. Doshita, to Nippon Telegraph and Telephone Public Corp. Phonetic typewriter system. 3,265,814, 8–9–66, Cl. 179—1.

Maeda, Sachio, N. Saito, and S. Arai, to Mitsubishi Denki Kabushiki-Kaisha. Electrolytic machining process using a gas-containing electrolyte. 3,284,327, 11–8–66, Cl. 204—143.

Maeda, Shin: *See*—
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Sawa, Yoshiro, and Maeda. 3,256,287.
Sawa, Yoshiro, Maeda, and Tsuzi. 3,256,286.

Maeda, Taizo: *See*—
Kado, Masaru, Tsuboi, Maeda, and Yoshinaga. 3,274,051.

Maeda, Toyoo: *See*—
Takai, Akira, Saikawa, Kodana, Takamichi, Matsubara, and Maeda. 3,260,716.

Maeder, Arthur: *See*—
Olaj, Oskar, and Maeder. 3,241,905.

Maeder, Arthur, to Ciba Ltd. Aerosol preparations for the treatment of the hair comprising hydrophilic salts of basic amides and esters. 3,257,281, 6–21–66, Cl. 167—87.1.

Maeder, Arthur, to Ciba Ltd. Acid salts of basic interpolymers comprising an amine-substituted amide or ester. 3,262,917, 7–26–66, Cl. 260—78.5.

Maeder, Arthur, to Ciba Ltd. Cation active dispersions of finely divided water-insoluble cation active polymers containing quaternary ammonium groups. 3,287,305, 11–22–66, Cl. 260—29.6.

Maeder, Arthur, and H. Nachbur, to Ciba Ltd. Process for the preparation of stable emulsions from n-methylol substituted amides of acrylic acid of the ethers of such n-methylolamides. 3,289,740, 11–29–66, Cl. 260—29.6.

Maeder, Edward G., and G. Krans, to Reynolds Metals Co. Can forming apparatus. 3,270,544, 9–6–66, Cl. 72—346.

Maeder, Erwin: *See*—
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Siegrist, Adolf E., Liechti, and Maeder. 3,259,619.
Siegrist, Adolf E., Maeder, Guglielmetti, and Liechti. 3,234,231.
Siegrist, Adolf E., Maeder, Liechti, and Guglielmetti. 3,268,543.
Siegrist, Adolf E., Maeder, Liechti, and Guglielmetti. 3,293,258.

Maeder, Erwin, P. Liechti, and A. E. Siegrist, to Ciba Ltd. Certain thiophene-2,5-diyl-bis(benzoxazole) compounds. 3,255,199, 6–7–66, Cl. 260—307.

Maeder, Erwin, P. Liechti, and A. E. Siegrist, to Ciba Ltd. Azolyl-thiophene compounds. 3,264,315, 8–2–66, Cl. 260—304.

Maeder, Paul F., to Leesona Corp. Tape recorder and tape storage magazine therefor. 3,273,896, 9–20–66, Cl. 274—11.

Maehara, Shigeru, and I. Garashi, to Yawata Iron & Steel Co., Ltd., and Yokohama Engineering Co., Ltd. Method of recovering an unburnt waste gas produced in oxygen top-blowing converter. 3,271,129, 9–6–66, Cl. 75—60.

Maekawa, Hideyuki, K. Noda, and Y. Takagishi, to Shionogi & Co., Ltd. Multivitamin tablet stabilized with porous silica. 3,247,064, 4–19–66, Cl. 167—81.

Maekawa, Iseiji: *See*—
Ueda, Komao, Hara, Maekawa, Hirasawa, and Hashimoto. 3,236,582.

Maekawa, Tomohisa: *See*—
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Maes, Guy, to l'Electronique Appliquee. Radiosonobuoys. 3,229,311, 1–18–66, Cl. 9—8.

Maes, Guy, to l'Electronique Appliquee. Pneumatic float control device for radiosonobuoys. 3,278,956, 10–18–66, Cl. 9—8.

Maes, Guy, to l'Electronique Appliquee. Hydrophone members. 3,284,760, 11–8–66, Cl. 340—10.

Maestrelli, Gino. Air heater for dry-cleaning plants, operated by superheated water. 3,252,309, 5–24–66, Cl. 68—20.

Maestro, Paul R.: *See*—
Stern, Erhard R., and Maestro. 3,249,256.

Maeth, Harry, and R. D. Pennings. Topical dressing. 3,249,109, 5–3–66, Cl. 128—268.

Maffet, Vere, to E. I. du Pont de Nemours and Co. Stabilizer for silver halide emulsions. 3,274,002, 9–20–66, Cl. 96—109.

Maffet, Vere, and E. D. Peters, to E. I. du Pont de Nemours and Co. Buffered stop both for interrupted photographic development. 3,284,199, 11–8–66, Cl. 96—50.

Maffey, George E., Jr., to The Black and Decker Mfg. Co. Brush holder assembly for insulated housing. 3,290,524, 12–6–66, Cl. 310—71.

Maffi, Giulio: *See*—
Testa, Emilio, and Maffi. 3,290,212.

Mafrica, Leo, to United States of America, Interior. Top closure for high temperature electrostatic precipitator. 3,293,829, 12–27–66, Cl. 55—104.

Magardo, Robert F., to United States of America, Army. Elector-extractor mechanism for repeating auxiliary firearm of pump action type. 3,235,993, 2–22–66, Cl. 42—25.

Magarian, Gerald M., to Preco Inc. Air-powered cutting tool for hair and the like. 3,262,199, 7–26–66, Cl. 30—133.

Magarian, Gerald M., and P. K. Beemer, to Preco Inc. Load divider mechanism. 3,241,502, 3–22–66, Cl. 105—376.

Magase, Osamu: *See*—
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Magat, Eugene E., to E. I. du Pont de Nemours and Co. Melt-spinnable composition of a poly(*N*-vinyl amide) and a polymer from the class consisting of polyamides polyureas, and polyurethanes. 3,287,441, 11–22–66, Cl. 260—857.

Magat, Eugene E., and D. Tanner, to E. I. du Pont de Nemours and Co. Synthetic polyamide textile material having a polyorganosiloxane grafted thereto. 3,284,156, 11–8–66, Cl. 8—115.5.

Magat, Eugene E., and D. Tanner, to E. I. du Pont de Nemours and Co. Fibrillated fiber. 3,290,207, 12–6–66, Cl. 161—178.

Magat, Michel, A. Chapiro, and J. Sebban, to Centre Nationale de la Recherche Scientifique, Ministere de l'Education Nationale. Grafting polymers or copolymers. 3,252,880, 5–24–66, Cl. 204—154.

Magder, Jules: *See*—
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Magearl, William H., E. C. Fanguy, and B. R. Babin, to Esso Research and Engineering Co. Specific gravity analyzer and control in an alkylation process. 3,293,320, 12–20–66, Cl. 260—683.59.

Magee Carpet Co., The: *See*—
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Magee, Ellington M., to Esso Research and Engineering Co. Preparation of formaldehyde. 3,232,991, 2–1–66, Cl. 260—604.

Magee, Harold H. Ophthalmic frame bridge tool. 3,269,224, 8–30–66, Cl. 81—3.5.

Magee, James H.: *See*—
Cockrell, James L., Magee, and Underkoffler. 3,248,721.

Mager, Eric L., to Sylvania Electric Products, Inc. Electroluminescent lamp with homogeneous phosphor-dielectric layer. 3,290,536, 12–6–66, Cl. 313—108.

Mager, Frank J. Headgear having a neck protecting flap. 3,230,544, 1–25–66, Cl. 2—3.

Magerlein, Barney J.: *See*—
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Magerlein, Barney J., to The Upjohn Co. Lincomycin lower-alkyl ortho lower-alkanoates. 3,262,926, 7–26–66, Cl. 260—210.

Magerlein, Barney J., to The Upjohn Co. Methyl N-(1-alkyl-4-alkoxy-prolyl)-α-thiolincosaminide compounds and process therefor. 3,282,917, 11–1–66, Cl. 260—210.

Magerlein, Barney J., and F. Kagan, to The Upjohn Co. 3-keto-4-fluoro- and 3-keto-4,4-difluoro-steroid and process. 3,232,960, 2–1–66, Cl. 260—397.1.

Magerlein, Barney J., and W. P. Schneider, to The Upjohn Co. 16,21-dihydroxy-4,17(20)-pregnadiene-3,11-dione and process for production thereof. 3,232,967, 2–1–66, Cl. 260—397.45.

Magerlein, Barney J., R. D. Birkenmeyer, F. Kagan, and W. P. Schneider, to The Upjohn Co. 16-fluoro-11-hydroxy steroids of the pregnane series. 3,239,544, 3–8–66, Cl. 260—397.45.

Magerlein, Barney J., and R. D. Birkenmeyer, to The Upjohn Co. 1,3-dialkylprolines. 3,274,212, 9–20–66, Cl. 260—326.3.

Magerlein, Barney J., and R. D. Birkmeyer, to The Upjohn Co. 4-propylhygramide salts. 3,282,957, 11–1–66, Cl. 260—326.3.

Mägerlein, Helmut, G. Meyer, W. Rösener, and E. Siggel, to Vereinigte Glanzstoff-Fabriken A.G. Production of 4-methylpentene-1. 3,278,634, 10–11–66, Cl. 260—683.15.

Magers, Leroy, Jr., to The Preload Co. Prestressed concrete structures. 3,241,278, 3–22–66, Cl. 52—224.

Magers, Leroy, Jr. Reinforcing cage apparatus and method of making. 3,254,681, 6–7–66, Cl. 140—112.

Magers, Leroy, Jr. Reinforcing cage apparatus. 3,280,855, 10–25–66, Cl. 140—112.

Maget, Henri J. R., and G. F. Wheeler, to General Electric Co. Fuel cell electrode and methods of preparation. 3,274,031, 9–20–66, Cl. 136—120.

Magg, Alfred, and H. Haessle, to Zahnradfabrik Friedrichshafen, Aktiengesellschaft. Shifting arrangement for change speed gears of motor vehicles. 3,242,759, 3–29–66, Cl. 74—477.

Magg, Alfred, and H. Haessle, to Zahnradfabrik Friedrichshafen Aktiengesellschaft. Remote control shifting arrangement for change speed gears of motor vehicles. 3,282,122, 11–1–66, Cl. 74—473.

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Maggini, Victor A. M.: *See*—
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Maggiola, Allison, to Wallace & Tiernan Inc. Method of producing dicarboxylic acids. 3,280,183, 10–18–66, Cl. 260—533.

Maggiulli, Cataldo A., and R. E. Paine, to Eastman Kodak Co. Process for preparation of arylimino propionates. 3,254,108, 5–31–66, Cl. 260—465.

Maggi-Unternehmungen A.G.: *See*—
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Maggs, William F., and F. W. Mullett, to Acrow (Engineers) Ltd. Scaffolding. 3,266,208, 8–16–66, Cl. 52—650.

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Magid, Louis, P. E. Sleezer, and P. L. Stefko, to Hoffmann-LaRoche Inc. Topical antitussive preparations. 3,275,510, 9–27–66, Cl. 167—58.

Magid, Milton, to The Singer Co. Double intermediate position switching circuits providing for coarse, and vernier adjustments. 3,281,658, 10–25–66, Cl. 323—79.

Magida, Nathan H., and W. W. Bachle, to Thermosen, Inc. Electromagnetic reed relay. 3,274,524, 9–20–66, Cl. 335—152.

Magian, Joseph C., Jr., to Selas Corp. of America. Apparatus for manufacture of ferric chloride. 3,233,982, 2–8–66, Cl. 23—286.

Magina, Raymond E., to Ethyl Corp. Preparation of ketones. 3,291,838, 12–13–66, Cl. 260—591.

Magi-Pak Corp.: *See*—
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Magleby, Kay B., and W. M. Grove, to Hewlett-Packard Co. Signal sampling circuit including a signal conductor disposed in the electromagnetic field of a shorted transmission line. 3,241,076, 3–15–66, Cl. 328—151.

Maglic, Bogdan C.: *See*—
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Magloire, Rene, to Societe anonyme dite: Etablissements Ehl-Lattic. Device positioning a movable body. 3,280,950, 10–25–66, Cl. 192—143.

Maglott, George F., to Harwood Engineering Co. Shock modulating device for a hydraulically driven gas compressor. 3,249,289, 5–3–66, Cl. 230—52.

Magna American Corp.: *See*—
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Magna, Peter S.: *See*—
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Magne, Frank C.: *See*—
Mod, Robert R., Skau, Fore, Magne, Novak, Dupuy, Ortego, and Fisher. 3,250,794.
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Mod, Robert R., Skau, Fore, Magne, Novak, Dupuy, Ortego, and Fisher. 3,285,812.
Skau, Evald L., Magne, and Mod. 3,294,808.
Skau, Evald L., Mod, and Magne. 3,248,396.
Skau, Evald L., Mod, and Magne. 3,270,033.
Skau, Evald L., Mod, and Magne. 3,294,802.

Magne, Frank C., E. L. Skau and R. R. Mod, to United States of America, Agriculture. Vinyl chloride polymers plasticized with mixed morpholides of dimerized fatty acids. 3,250,635, 5–10–66, Cl. 106—316.

Magne, Frank C., E. L. Skau, and R. R. Mod, to United States of America, Agriculture. Vinyl chloride polymers plasticized with morpholides of fatty acids and dimerized fatty acids. 3,260,692, 7–12–66, Cl. 260—30.4.

Magne, Frank C., E. L. Skau, and R. R. Mod, to United States of America, Agriculture. Morpholides of a mixture of epoxidized, saturated, and monounsaturated fatty acids. 3,291,629, 12–13–66, Cl. 106—316.

Magner, John E.: *See*—
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Helmke, Gunther, and Steingroever. 3,236,700.

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Magnetic Instruments Co. Div. of Polymetic Devices Co., Inc.: *See*—
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Magnetic Metals Co.: *See*—
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Magnetics Research Co., Inc.: *See*—
Sands, Eugene A. 3,240,999.

Magnetoscopics Inc.: *See*—
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Magnetrol, Inc.: *See*—
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Magni, Gustav A., and G. W. Andersson, to Jarnhs Elektriska Aktiebolag. Litters. 3,264,659, 8–9–66, Cl. 5—82.

Magnin, Jean P., to Electro-Mechanical Research, Inc. Synchronous signal generators. 3,249,878, 5–3–66, Cl. 328—33.

Magnin, Jean P., to Electro-Mechanical Research, Inc. Telemetering decoder system. 3,261,001, 7–12–66, Cl. 340—172.5.

Magnion, Inc.: *See*—
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Magnovox Co., The: *See*—
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Magnus, Agatha C. Means and techniques using mosaics for transmission and other purposes. 3,252,674, 5–24–66, Cl. 244—14.

Magnus, Finn H. Adjustable temple for eyeglasses with rack and plural detent bar. 3,261,652, 7–19–66, Cl. 351—118.

Magnus, Finn H. Acoustic system. 3,268,030, 8–23–66, Cl. 181—31.

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Magnus, Oscar F., and J. P. Kleinkort, to American Brake Shoe Co. Railroad frogs. 3,263,076, 7–26–66, Cl. 246—454.

Magnus, Roy M.: *See*—
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Magnuski, Henry, to Motorola, Inc. Variable microwave phase shifter utilizing plasma electrode. 3,235,768, 2–15–66, Cl. 315—39.

Magnuski, Henry, to Motorola, Inc. System for converting a train of binary zeroes to a train of alternating ones and zeroes and vice versa. 3,292,086, 12–13–66, Cl. 325—38.

Magnuski, Henry, to Motorola, Inc. Communication system. 3,292,178, 12–13–66, Cl. 343—203.

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Daugherty, Ralph K. 3,229,170.
Daugherty, Ralph K., and Smith. 3,229,171.
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Magnusson, Alan B.: *See*—
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Magnusson, Folke, to Svenska Flaktfabriken, Aktiebolaget. Apparatus for drying or conditioning laundry goods and the like in batches. 3,228,117, 1–11–66, Cl. 34—126.

Magnusson, Karl R. V., to Fabriken Nike Aktiebolag. Winter cushion of cellular plastic. 3,278,226, 10–11–66, Cl. 297—219.

Magnusson, Knut J., to Radio Corp. of America. Timing apparatus. 3,236,107, 2–22–66, Cl. 74—3.52.

Magnusson, Olof Å.: *See*—
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Magor, Lincoln S., to Retor Developments Ltd. Control system. 3,262,370, 7–26–66, Cl. 90—13.5.

Magor, Lincoln S., to Mimik Ltd. Control system. 3,270,619, 9–6–66, Cl. 90—13.5.

Magorien, Vincent G., to Seaton Wilson Mfg. Co. Quick-connect pipe coupling. 3,266,825, 8–16–66, Cl. 285—277.

Magrae, John K., W. F. Reynolds, Jr., and D. H. Rakowitz, to American Cyanamid Co. Polyacrylonitrile paper and methods for the manufacture thereof. 3,264,170, 8–2–66, Cl. 162—157.

Magrum, Gervase M., to Houdaille Industries, Inc. Vibration damper. 3,241,396, 3–22–66, Cl. 74—574.

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Maguire, Philip F., Jr., and Magson. 3,241,572.
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Maguire, Edward J., Jr.: *See*—
Maguire, Edward J., Sr., E. F. Maguire, and E. J. Maguire, Jr. 3,274,700.

Maguire, Edward J., Sr., E. F. Maguire, and E. J. Maguire, Jr. Generating apparatus for use in removing flammable materials from ducts. 3,274,700, 9–27–66, Cl. 34—104.

Maguire, Eugene F.: *See*—
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Maguire, Philip F., Jr., and A. Magson, to Grinnell Corp. Apparatus for cleaning textile machines. 3,238,974, 3–8–66, Cl. 139—1.

Maguire, Philip F., Jr., and A. Magson, to Grinnell Corp. Apparatus and method for cleaning textile machines. 3,241,572, 3–22–66, Cl. 139—1.

Maguire, Philip F., Jr., A. Magson, and L. A. J. Sousa, to Grinnell Corp. Textile machinery cleaning apparatus. 3,267,970, 8–23–66, Cl. 139—1.

Maguire, Robert: *See*—
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Mahar, John H., to Socony Mobil Oil Co., Inc. Thiourea adduction. 3,231,489, 1–25–66, Cl. 208—308.

Maher, Alan J.: *See*—
MacDonald, Kenneth W., Nickelson, and Maher. 3,291,081.

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Maher, James B., and J. Mair, to Chicago Bridge & Iron Co. Methane liquefaction process. 3,271,965, 9–13–66, Cl. 62—23.

Maher, James B., and J. Mair, to Chicago Bridge & Iron Co. Purging heat exchangers of solidified impurities in the liquefaction of natural gas. 3,282,059, 11–1–66, Cl. 62—12.

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Maheu, Roland R. Alternator mounting assembly for vehicles. 3,274,394, 9–20–66, Cl. 290—1.

Mahieux, Frances, to l'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedures Georges Claude. Storage and dispensing ozone. 3,264,833, 8–9–66, Cl. 62—52.

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Mahl, Harry L., Jr., and H. A. Remmert, to W. R. Grace & Co. Apparatus for defoliating by vaporizing and applying ammonia. 3,238,670, 3–8–66, Cl. 47—1.7.

Mahl, Harry L., Jr., and W. J. Haude, to W. R. Grace & Co. Apparatus for using ammonia vapor in fertilizing and defoliating plants. 3,250,597, 5–10–66, Cl. 23—259.1.

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Mahler, Peter A., to The Singer Co. Pneumatic tensioning, everting, and discharging device and method for circular knitting machines. 3,273,360, 9–20–66, Cl. 66—149.

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Mahler, William C., E. H. Christian, and B. F. Pardoe, to TRW Inc. Contour tracer attachment unit. 3,230,835, 1–25–66, Cl. 90—13.5.

Mahlman, Bert H., to Hercules Inc. Unsaturated polyester coating compositions. 3,267,176, 8–16–66, Cl. 260—862.

Mahlmann, James P., to General Foods Corp. Method for steam distillation of coffee aromas. 3,244,532, 4–5–66, Cl. 99—71.

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Mahon, Henry I., to The Dow Chemical Co. Permeability separatory apparatus and process utilizing hollow fibers. 3,228,877, 1–11–66, Cl. 210—22.

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Mahoney, Frank D. Seat belt assembly. 3,257,146, 6–21–66, Cl. 297—388.

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Mahoney, William J., and N. H. Murthy, to American Machine & Foundry Co. Electronic ring counters. 3,235,748, 2–15–66, Cl. 307—88.5.

Mahoney, William J., and N. N. Murthy, to American Machine & Foundry Co. Electrodialysis apparatus for desalinization of fluids having automatic current control means. 3,269,933, 8–30–66, Cl. 204—301.

Mahoney, William P., to Ball Bros. Co. Inc. Treatment of newly formed glass articles. 3,249,246, 5–3–66, Cl. 215—1.

Mahoney, Woodrow L. Pivotable telescope sight mount. 3,226,868, 1–4–66, Cl. 42—1.

Mahony, Harold A. Apparatus and process for high speed scrap smelting. 3,234,010, 2–8–66, Cl. 75—43.

Mahony, Harold A. System and process for the direct reduction of iron ore. 3,235,374, 2–15–66, Cl. 75—26.

Mahony, Harold A. Process of preparing lime and a system including means for providing a hot gas for use in the process. 3,271,015, 9–6–66, Cl. 263—1.

Mahr, Carl. Clamping device for measuring instruments. 3,268,197, 8–23–66, Cl. 248—316.

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Maichen, Karl. Device for applying cleaning and treating materials. 3,270,366, 9–6–66, Cl. 15—559.

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Maiden, Elmo E. and C. E., and M. E. Gedgaudas, to Newmark Products, Inc. System for floating a battery on a load line. 3,267,288, 8–16–66, Cl. 307—66.

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Maier, Curtis E., to Continental Can Co., Inc. Method and apparatus for the explosion forming of hollow objects, including such container elements as cups, cans, can ends. 3,228,222, 1–11–66, Cl. 72—56.

Maier, Curtis E., to Continental Can Co., Inc. Method and apparatus for explosive reshaping of hollow ductile objects. 3,252,312, 5–24–66, Cl. 72—56.

Maier, Erwin, G. M., and J. I., to Oxymet Ag. Furnace apparatus for the treatment of raw materials. 3,239,593, 3–8–66, Cl. 13—9.

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Maier, Gunther, G. Baumann, and R. Babitzka, to Robert Bosch G.m.b.H. Electromagnetically driven pumps, particularly fuel pumps. 3,293,516, 12–20–66, Cl. 318—128.

Maier, Heinz, H. Wieland, and G. Schlenga, to Fischer-Brodbeck G.m.b.H. Rotary indexing table for a machine tool. 3,242,771, 3–29–66, Cl. 74—826.

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Maier, Karl H., and K. Voggel, to Membranfilter-Gesellschaft G.m.b.H., Fa. Method of determination of the content of microorganisms in air. 3,275,527, 9–27–66, Cl. 195—103.5.

Maier, Leo A., Jr., and R. A. Lorenzini, to Foster Wheeler Corp. Method for making ribbed vapor generating tubes. 3,272,961, 9–13–66, Cl. 219—125.

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Maier, Ludwig, to Monsanto Co. Organophosphine compounds which contain at least two phosphorus-to-phosphorus bonds in sequence and pentavalent phosphorus derivatives thereof. 3,242,216, 3–22–66, Cl. 260—606.5.

Maier, Ludwig, to Monsanto Co. Methylenediphosphine products and process for the preparation thereof. 3,253,033, 5–24–66, Cl. 260—570.5.

Maier, Max. Machine for forming plane metal sheets into tubes. 3,245,242, 4–12–66, Cl. 72—52.

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Maier, Richard, to Siemens-Schuckertwerke Aktiengesellschaft. Process for the manufacture of vanadium-gallium intermetallic compound. 3,260,595, 7–12–66, Cl. 75—200.

Maier, Richard. Injection molding machine. 3,263,276, 8–2–66, Cl. 18—30.

Maier, Richard C., to Chicago Bridge & Iron Co. Vertical cylindrical film evaporator with self-rotatable wiper. 3,265,115, 8–9–66, Cl. 159—13.

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Maijala, William R. Folding self-propelled invalid chair. 3,259,200, 7–5–66, Cl. 180—9.24.

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Maillard, Bernard, to Brevets Aero-Mecaniques S.A. Belt feed mechanisms for automatic firearms. 3,230,828, 1–25–66, Cl. 89—33.

Maillard, Bernard, to Brevets Aero-Mecaniques S.A. Breech mechanisms for automatic firearms having a recoiling tube. 3,234,850, 2–15–66, Cl. 89—176.

Maillard, Bernard, to Brevets Aero-Mecaniques S.A. Firearm with a slidable, slitted jacket in the cartridge chamber housing. 3,235,996, 2–22–66, Cl. 42—76.

Maillard, Bernard, to Brevets Aero-Mecaniques S.A. Semi-automatic or automatic guns. 3,242,812, 3–29–66, Cl. 89—44.

Maillard, Bernard, to Brevets Aero-Mesaniques S.A. Semi-automatic or automatic guns. 3,253,513, 5–31–66, Cl. 89—190.

Maillard, Bernard, to Brevets Aero-Mechaniques S.A. Semi-automatic or automatic guns. 3,277,786, 10–11–66, Cl. 89—33.

Maillard, Bernard, to Brevets Aero-Mecaniques S.A. Self-propelled armor-piercing shells. 3,277,825, 10–11–66, Cl. 102—49.

Maillard, Bernard, to Brevets Aero-Mecaniques S.A. Cartridge feeding mechanism for automatic guns. 3,282,162, 11–1–66, Cl. 89—33.

Maillard, Bernard, to Brevets Aero-Mecaniques S.A. Pivoted breech block locking member for automatic guns. 3,282,165, 11–1–66, Cl. 89—190.

Maillard, Bernard, to Brevets Aero-Mecaniques S.A. Gas operated automatic gun. 3,282,166, 11–1–66, Cl. 89—191.

Maillard, Ferdinand J. P., to Compagnie Francaise Thomson-Houston. Apparatus for indicating angular velocities or/and accelerations. 3,253,471, 5–31–66, Cl. 73—505.

Maillard, Jean, to North American Philips Co., Inc. Optical sighting apparatus with coaxial objective lens system and grid imaging lens. 3,227,035, 1–4–66, Cl. 88—2.2.

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Maillet, Alfred M. A., to La Soudure Electrique Languepin. Shaping apparatus of the pantographic-type. 3,257,907, 6–28–66, Cl. 90—13.1.

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Maillet, Ennemond, to Commissariat a l'Energie Atomique. Process for machining tubular elements with fins for heat exchangers. 3,247,766, 4–26–66, Cl. 90—11.

Maillet, Ennemond, to Commissariat a l'Energie Atomique. Tubular element with fins. 3,277,960, 10–11–66, Cl. 165—181.

Maillet, Henry, to Compagnie Generale de Telegraphie Sans Fil. Low-profile surface wave antenna. 3,276,020, 9–27–66, Cl. 343—705.

Mailloux, Lawrence J., to Screw Machine Tool Co. Skiving tool holder. 3,270,598, 9–6–66, Cl. 82—36.

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Mails, Thomas E. Date-time meter. 3,235,875, 2–15–66, Cl. 346—93.

Main, Harold M., A. O. Sandoe, and A. W. Holmes, to Indiana Steel & Wire Co., Inc. Transposition fitting. 3,244,793, 4–5–66, Cl. 174—33.

Main, Robert T., to Controls Co. of America. Pressure responsive control reset structure. 3,291,932, 12–13–66, Cl. 200—83.

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Maina, Mario J., to General Motors Corp. Sleeve clutch assemblies having engageable tapered teeth. 3,249,188, 5–3–66, Cl. 192—67.

Maine, Arthur E., to The De Havilland Aircraft Co. Ltd. Pulse-width modulating devices. 3,252,073, 5–17–66, Cl. 321—5.

Maine, Arthur E., to The De Havilland Aircraft Co. Ltd. D.C.-A.C. inverters. 3,252,074, 5–17–66, Cl. 321—45.

Mainil, Jean L. P., to Société Anonyme Oletta. Process for the production of alkaloids from plants of the genus Holarrhena. 3,240,793, 3–15–66, Cl. 260—397.3.

Mainil, Jean L. P., to Societe Anonyme Oletta. Alkaloids from plants of the genus Funtumia. 3,242,168, 3–22–66, Cl. 260—239.5.

Mainil, Jean L. P., to Societe Anonyme Oletta. Salt of alkaloid from *Phyllanthus discodeus*. 3,272,796, 9–13—66, Cl. 260—236.

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Maisey, Albert J., to Fairey Engineering Ltd. Hoisting chains. 3,282,044, 11–1–66, Cl. 59—78.1.

Maissel, Leon I., to International Business Machines Corp. Method and device for selective anodization. 3,240,685, 3–15–66, Cl. 204—15.

Maissel, Leon I., to International Business Machines Corp. Multiple layer anodized film capacitor and method of making same. 3,257,592, 6–21–66, Cl. 317—258.

Maissel, Leon I., to International Business Machines Corp. Process of coating, using a liquid metal substrate holder. 3,294,661, 12–27–66, Cl. 204—192.

Maissel, Leon I., and N. W. Silcox, to International Business Machines Corp. Method for fabricating thin film circuit elements and resulting elements. 3,234,442, 2–8–66, Cl. 317—258.

Maissel, Leon I., and J. Riseman, to International Business Machines Corp. Apparatus for coating articles by cathode sputtering. 3,250,694, 5–10–66, Cl. 204—298.

Maissel, Leon I., and D. R. Young, to International Business Machines Corp. Method of tailoring thin film impedance devices. 3,261,082, 7–19–66, Cl. 29—155.7.

Maissel, Leon I., and C. L. Standley, to International Business Machines Corp. Method for anodizing. 3,285,836, 11–15–66, Cl. 204—15.

Maitani, Yoshihisa, to Olympus Kogaku Kogyo Kabushiki-Kaisha. Viewfinder for single-lens reflex camera. 3,250,-195, 5–10–66, Cl. 95—42.

Maitani, Yoshihisa, to Olympus Kogaku Kogyo Kabushiki-Kaisha. Drive for rotary shutter used in camera. 3,251,-287, 5–17–66, Cl. 95—61.

Maitani, Yoshihisa, to Olympus Kogaku Kogyo Kabushiki-Kaisha. Device for swinging a reflecting mirror in a single-lens reflex camera. 3,257,922, 6–28–66, Cl. 95—42.

Maitani, Yoshihisa, to Olympus Kogaku Kogyo Kabushiki-Kaisha. Shutter device for single-lens reflex camera. 3,257,923, 6–28–66, Cl. 95—42.

Maitland, Harry E. Ignition control safety apparatus for tractors. 3,258,083, 6–28–66, Cl. 180—82.

Maitland, Peter, and R. F. E. Winn, to Racal Communications Ltd. AFC system with a beat frequency drift cancellation oscillator. 3,278,855, 10–11–66, Cl. 331—10.

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Majani, Pierre, and A. V. Rushton, to Schlumberger Technology Corp. Acoustic logging systems. 3,291,247, 12–13–66, Cl. 181—.5.

Majani, Pierre, and A. V. Rushton, to Schlumberger Technology Corp. Acoustic logging systems. 3,291,248, 12–13–66, Cl. 181—.5.

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Majette, Joseph P., to C. A. Norgren Co. Strand coating apparatus. 3,233,585, 2–8–66, Cl. 118—600.

Majewski, John V., to McGraw-Edison Co. Aerial cable brackets. 3,233,853, 2–8–66, Cl. 248—74.

Majewski, Theodore E., to The Dow Chemical Co. Bromination of salicylanilide. 3,246,034, 4–12–66, Cl. 260—559.

Majewski, Theodore E., to The Dow Chemical Co. Bromination of salicylanilide. 3,254,121, 5–31–66, Cl. 260—559.

Majewski, Theodore E., W. C. Stoesser, and E. S. Parsey, to The Dow Chemical Co. Purification of salicylanilide. 3,231,611, 1–25–66, Cl. 260—559.

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Major, Frederick A. Cow halter incorporating feed control means. 3,260,034, 7–12–66, Cl. 54—24.

Major, Ross O., to The Major Corp. Stage lighting system. 3,231,784, 1–25–66, Cl. 315—312.

Majors, Barna. Pillow type speaker support. 3,290,450, 12–6–66, Cl. 179—146.

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Mak, Stephen M. F., A. S. Tauber, and S. G. Lebow, to The National Cash Register Co. Optical scanning pen and coded-character reading system. 3,238,501, 3–1–66, Cl. 340—146.3.

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Makansi, Munzer, to E. I. du Pont de Nemours and Co. Process for mechanical crimping of fibers in sheet form. 3,255,064, 6–7–66. Cl. 156—166.

Makansi, Munzer, to E. I. du Pont de Nemours and Co. Tufting process and products having tufted structures. 3,266,-969, 8–16–66. Cl. 161—63.

Makar, Michael. Automobile washing mop employing twistable mop head. 3,278,977, 10–18–66, Cl. 15—567.

Makas, Albert S., to Polaroid Corp. Glare-reducing lamp. 3,239,659, 3–8–66, Cl. 240—9.5.

Makas, Albert S., to Polaroid Corp. Process for polarizing ultraviolet light utilizing oriented, iodide stained film. 3,254,561, 6–7–66, Cl. 88—65.

Makas, Albert S., to Polaroid Corp. Process for polarizing ultraviolet light utilizing oriented polymer sheet with incorporated dichroic fluoroescent dye. 3,276,316, 10–4–66, Cl. 88—65.

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Makin, Glenn O. Packing seal for shafting. 3,227,464, 1–4–66, Cl. 277—105.

Makino, Takayuki, to Toyota Motors Co., Ltd. Method of testing hardened steel articles utilizing the irreversible portion of the magnetization curve. 3,281,666, 10–25–66, Cl. 324—34.

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Makiri, Uria. Mass transportation system. 3,265,010, 8–9–66, Cl. 104—25.

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Malec, Jerry P. Bridge crane. 3,262,517, 7–26–66, Cl. 182—2.

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Malick, Emil A., to Phillips Petroleum Co. Removal radioactive material from milk by ion exchange. 3,271,163, 9–6–66, Cl. 99—60.

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Malm, Curtis L., and H. W. Young, to Paper Mate Mfg. Co. Multi-purpose connector. 3,282,254, 11–1–66, Cl. 120—42.1.

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Malnar, Leon, to CSF-Compagnie Generale de Telegraphie Sans Fil. Resonance cells for optical pumping. 3,242,423. 3–22–66, Cl. 324—.5.

Malnar, Leon, to CSF-Compagnie Generale de Telegraphie Sans Fil. Wide-band discriminators. 3,290,600, 12–6–66, Cl. 325—349.

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Malone, Homer F., to Mechanical Products, Inc. Combination motor protector and start relay. 3,243,554, 3–29–66, Cl. 200—122.

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Kneen, Eric, Fleckenstein, and Beckord. 3,293,144.

Maltner, Heinrich, G.m.b.H.: *See*—
Maltner, Wolfgang, and Holfeld. 3,262,019.

Maltner, Wolfgang, and O. Holfeld, to Heinrich Maltner, G.m.b.H. Piezoelectric device. 3,262,019, 7–19–66, Cl. 317—96.

Maltzer, Irving: *See*—
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Maly, George P., to Union Oil Co. of California. Extrusion of epoxy resin. 3,242,244, 3–22–66, Cl. 264—83.

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Harsanyi, Kalman, Kiss, Korbonits, Malyata, Erdell, Tardos, and Leszkovszky. 3,280,122.

Malz, Hugo: *See*—
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Malz, Hugo, G. Oertel, and H. Holtschmidt, to Farbenfabriken Bayer Aktiengesellschaft. N-mercapto ureas. 3,234,275, 2–8–66, Cl. 260—552.

Malz, Hugo, G. Oertel, H. Holtschmidt, and K. Wagner, to Farbenfabriken Bayer Aktiengesellschaft. Thiophosphorus acid esters. 3,234,305, 2–8–66, Cl. 260—928.

Malz, Hugo, K. Sasse, and G. Unterstenhofer, to Farbenfabriken Bayer Aktiengesellschaft. Thiol- or thionothiolphosphoric (-phosphonic,- phosphinic)acid esters of chloromethoxy benzotriazole compounds. 3,242,191, 3–22–66, Cl. 260—308.

Malz, Hugo, and H. Scheurlen, to Farbenfabriken Bayer Aktiengesellschaft. Stabilized polyoxymethylenes. 3,244,665, 4–5–66, Cl. 260—45.8.

Malz, Hugo, H. Kukenthal, W. Behrenz, E. Klauke, and E. Kuhle, to Farbenfabriken Bayer Aktiengesellschaft. Fluoro-chloro substituted phosphorus containing esters. 3,270,095, 8–30–66, Cl. 260—955.

Malz, Hugo, and G. Hermann, to Farbenfabriken Bayer Aktiengesellschaft. Acetamidido-(thio)-phosphoric or phosphonic acid esters as rodenticides. 3,281,321, 10–25–66, Cl. 167—46.

Malzahn, Gus E., J. R. Gottschalk, and K. W. Schuermann, to The Charles Machine Works Inc. Quick detachable backfill blade for trenches. 3,233,350, 2–8–66, Cl. 37—144.

Malzahn, Ronald C.: *See*—
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Mamie, Philippe, to Societe Anonyme de la Fabrique d'Horlogerie Le Coultre et Cie. Assembly apparatus. 3,290,767, 12–13–66, Cl. 29—208.

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Mamo, Anthony C., to Borg-Warner Corp. Friction engaging mechanism. 3,237,737, 3–1–66, Cl. 192—69.

Mamo, Anthony C., to Borg-Warner Corp. Ground effect vehicle with lift supplementing airfoils. 3,255,835, 6–14–66, Cl. 180—7.

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Manahan, Roderick D., and V. J. Richter, to Colgate-Palmolive Co. Fluoride dentifrice composition. 3,227,617, 1–4–66, Cl. 167—93.

Manahan, Roderick D., and V. J. Richter, to Colgate-Palmolive Co. Dentifrice composition containing sodium monofluorophosphate. 3,227,618, 1–4–66, Cl. 167—93.

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Manaresi, Francesco, deceased; Alessandra, G., Adriana, and I. P. Manaresi, heirs. Lyohilization apparatus. 3,242,575, 3–29–66, Cl. 34—66.

Manasek, Artur-Edmund: *See*—
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Manasek, Friedrich and A.-E. Table milling machine with several milling spindles. 3,255,790, 6–14–66, Cl. 144—134.

Manasian, Arthur E., to Huyck Corp. Process for treating papermakers' felt and products obtained therefrom. 3,292,992, 12–20–66, Cl. 8—127.6.

Manaster, Joseph. Poultry treating apparatus. 3,269,302, 8–30–66, Cl. 100—73.

Mancera, Octavio: *See*—
Ringold, Howard J., Bowers, Mancera, and Rosenkranz. 3,232,966.

Mancera, Octavio, to Syntex Corp. Process for preparation of 20-ketoximes of Δ16-20-keto pregnenes. 3,271,429, 9–6–66, Cl. 260—397.5.

Mancera, Octavio, H. J. Ringold, and C. Djerassi, to Syntex Corp. 16-methyl-15-dehydro corticoids. 3,257,434, 6–21–66, Cl. 260—397.45.

Manchester, Isaac F., Jr., to Manchester Yacht Sails, Inc. Sail. 3,269,343, 8–30–66, Cl. 114—104.

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Manchetti, Joseph G.: *See*—
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Mancini, Lloyd, to Berg Electronics, Inc. Pin connector. 3,262,087, 7–19–66, Cl. 339—256.

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Manda, Leo J.: *See*—
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Mandarino, Vincent C., to Whirlpool Corp. Fabric conditioner for clothes dryer. 3,267,701, 8–23–66, Cl. 68—12.

Mandarino, Vincent C., to Whirlpool Corp. End of cycle tone. 3,277,859, 10–11–66, Cl. 116—67.

Mandarino, Vincent C., and R. W. Spiegel, to Whirlpool Corp. Self-cleaning expansible diaphragm filter. 3,282,427, 11–1–66, Cl. 210—108.

Mandato, Angelo A. Traction device. 3,283,798, 11–8–66, Cl. 152—237.

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Mandel, Louis, to United States of America, Navy. Automatic klystron peak mode adjustment. 3,258,714, 6–28–66, Cl. 331—84.

Mandelbaum, Albert, to Premium Forest Products Ltd. Doors. 3,242,629, 3–29–66, Cl. 52—615.

Mandelbaum, Robert, and F. G. Weis, to Union Tank Car Co. Simplex liquid handling apparatus having improved electrode type control system. Re. 26,033, 5–24–66, Cl. 103—241.

Mandelik, Bernard G., to Pullman Inc. Conversion of sulfur dioxide with low ignition catalysts. 3,282,645, 11–1–66, Cl. 23—176.

Mandell, Joseph: *See*—
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Mandell, Orville W., to Jarvis Corp. Reciprocating saw. 3,270,369, 9–6–66, Cl. 17—23.

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Manderfeld, Emanuel C., to Mitchell Camera Corp. Exposure meter system. 3,272,105, 9–13–66, Cl. 95—42.

Manders, Godefridus J., to North American Philips Co., Inc. Method of manufacturing magnetic heads. 3,237,280, 3–1–66, Cl. 29—155.5.

Mandl, Otto. Parking device. 3,261,321, 7–19–66, Cl. 116—28.

Mandle, John B. Apparatus for measuring and digitally indicating linear displacement between two relatively movable members. 3,270,281, 8–30–66, Cl. 324—68.

Mandler, Walter, to Ernst Leitz, G.m.b.H. Photographic objective having four lens members. 3,291,553, 12–13–66, Cl. 350—209.

Mandolare, Dominick A. Stand, bow holder and quiver for archery. 3,286,961, 11–22–66, Cl. 248—44.

Mandoli, Harry A., and R. J. Rorden, to Varian Associates. Measuring circuit for providing an output either linearly or logarithmically related to an input. 3,267,377, 8–16–66, Cl. 324—115.

Mandorf, Victor, Jr., to Union Carbide Corp. Refractory compositions. 3,251,700, 5–17–66, Cl. 106—65.

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Mandula, Joseph M., Jr., and T. W. Judd, to Republic Steel Corp. Apparatus for defect analysis and classification of workpieces. 3,263,809, 8–2–66, Cl. 209—73.

Manecke, Georg, and S. Singer. Interpolymers of the m-fluoroanilide of methacrylic acid. 3,252,948, 5–24–66, Cl. 260—80.3.

Manecke, Siegfried E.: *See*—
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Manecke, Siegfried E., to Robertshaw Controls Co. Mounting means and method for control devices and the like. 3,236,548, 2–22–66, Cl. 287—20.

Manecke, Siegfried E., to Robertshaw Controls Co. Self-contained main and safety switch structures and parts therefor. 3,242,293, 3–22–66, Cl. 200—136.

Manecke, Siegfried E., to Robertshaw Controls Co. Thermostatically controlled switch means having improved reset means therefor. 3,272,946, 9–13–66, Cl. 200—138.

Manes, Donald R.: *See*—
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Maneschi, John R., to Automatic Electric Laboratories, Inc. Magnetic drum translator. 3,267,220, 8–16–66, Cl. 179—18.

Maness, Norman B. Electrical reciprocation apparatus. 3,238,397, 3–1–66, Cl. 310—27.

Manetti, Fred P., and L. J. Brugger, to American Plasticraft Co. Electron tube sockets. 3,251,016, 5–10–66, Cl. 338—73.

Manfanovsky, Serge, to The Singer Co. Microwave tuning units. 3,278,869, 10–11–66, Cl. 333—83.

Manfredi, Robert E., P. Koskos, and J. W. Ammenhenser, to General Electric Co. Electric discharge device with improved electrode support. 3,265,919, 8–9–66, Cl. 313—238.

Manganello, Samuel J., and A. M. Rathbone, to United States Steel Corp. Steel weldments. 3,290,128, 12–6–66, Cl. 29—196.1.

Mangeng, Alfons J., H.-D. Seghezzi, and H. Rangger, to Anstalt fur Montage-Technik. Apparatus for producing holes in the ground. 3,232,168, 2–1–66, Cl. 89—1.

Mangerian, George. Glazing point. 3,241,425, 3–22–66, Cl. 85—15.

Mangham, Jesse R., to Ethyl Corp. Manufacture of alkyl aluminum sesquihalides. 3,256,307, 6–14–66, Cl. 260—448.

Mangiapane, Rosario: *See*—
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Mangiavacchi, Jacques, to Glaenzer Spicer Societe Anonyme. Lubricating means for guide means of sliding parts. 3,228,733, 1–11–66, Cl. 308—5.

Mangieri, Daniel D., to United States of America, Navy. Full pressure suit activation sytsem with eject capabilities. 3,286,373, 11–22–66, Cl. 35—12.

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Chezaud, Jean C., Burillon, and Mangieri. 3,228,366.
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Chezaud, Jean C., Burillon, and Mangieri. 3,256,844.

Manglos, John C. Combination chair back and child's high chair. 3,281,183, 10–25–66, Cl. 297—238.

Mango, Joseph R., to Westinghouse Electric Corp. Hair dryer. 3,290,794, 12–13–66, Cl. 34—99.

Mangone, Ivan W., to Offshore Structures & Service Co. Mobile self-erecting marine platforms. Re. 26,073, 9–6–66, Cl. 61—46.5.

Mangone, Ivan W. Ships and methods of building the same. 3,253,565, 5–31–66, Cl. 114—65.

Mangood Corp.: *See*—
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Mangrum, Lee R. Process for making tile embodying stone particles. 3,278,662, 10–11–66, Cl. 264—77.

Mangum, Grafton F., and R. T. Willis, Jr., to Thiokol Chemical Corp. Throttlable solid propellant rocket motor. 3,283,510, 11–8–66, Cl. 60—250.

Mangus, George, and V. R. Spitaleri, to Knight Newspapers, Inc. Printing plate holder for rotary cylinder printing presses. 3,228,329, 1–11–66, Cl. 101—378.

Mangyo, Mitsuo: *See*—
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Manhart, Joseph H., to Aluminum Co. of America. Method of anodizing aluminum. 3,243,362, 3–29–66, Cl. 204—58.

Manheim, Henry L. Measuring conical filter paper. 3,276,655, 10–4–66, Cl. 229—1.5.

Manieri, Domenico. High-fidelity column-type stereomonophonic diffuser with regulated sound deflection. 3,241,631, 3–22–66, Cl. 181—31.

Manion, Francis M., to Bowles Engineering Corp. Vortex controlled fluid amplifier. 3,233,621, 2–8–66, Cl. 137—81.5.

Manion, Francis M., to Bowles Engineering Corp. Automatic fill valve. 3,277,914, 10–11–66, Cl. 137—81.5.

Manion, Francis M., to Bowles Engineering Corp. Vortex transfer device. 3,280,837, 10–25–66, Cl. 137—81.5.

Manion, Francis M., to Bowles Engineering Corp. Input and control systems for staged fluid amplifiers. 3,282,279, 11–1–66, Cl. 137—81.5.

Manion, Francis M., to Bowles Engineering Corp. Vented pure fluid analog amplifier. 3,283,768, 11–8–66, Cl. 137—81.5

Manitowoc Co. Inc., The: *See*—
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Dedricks, Alvin N., and Swanson. 3,289,430.
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Manker, Robert M.: *See*—
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Mankin, James B., Jr.: *See*—
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Mankin, Paul A., to John Wood Co. Fluid dispensing apparatus. 3,291,342, 12–13–66, Cl. 222—26.

Mankin, Paul A., and L. F. Nelson, to John Wood Co. Swivel joint connecting means for the flexible dispensing hose of liquid dispensing apparatus. 3,260,424, 7–12–66, Cl. 222—529.

Mankinen, Edwin H.: *See*—
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Mankovitz, Robert. Combination polygonal wrench with adjustably positioned socket and ratchet wrench. 3,288,002, 11–29–66, Cl. 81—71.

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Manley, Brian W., to North American Philips Co. Inc. Circuit arrangements employing charge storage tubes. 3,239,766, 3–8–66, Cl. 328—124.

Manley, Brian W., J. Adams, D. Washington, and M. Brannen, to North American Philips Co., Inc. Image intensifier secondary emissive matrix internally coated to form a converging lens. 3,260,876, 7–12–66, Cl. 313—68.

Manley, Gilbert F.: *See*—
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Manley, Inc.: *See*—
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Manley, Russell E. Method and apparatus for pneumatically classifying solids. 3,288,284, 11–29–66, Cl. 209—135.

Manlove Alliott & Co. Ltd.: *See*—
Boam, Harry, and Appleton.

Manly, Donald G., J. P. O'Halloran, and F. J. Rice, Jr., to The Quaker Oats Co. Production of pyridine from tetrahydrofurfuryl alcohol. 3,238,214, 3–1–66, Cl. 260—290.

Manly, Robert S. Quick detachable pipe coupling. 3,245,703, 4–12–66, Cl. 285—319.

Manly, Thomas D., and D. R. Dixon, to Laporte Chemicals Ltd. Hexylene glycol perester and peroxide compounds. 3,236,872, 2–22–66, Cl. 260—453.

Mann, Alfred E., R. Bell, H. P. Fischel, D. C. Martin, and W. Wallin, to Spectrolab, a division of Textron Electronics, Inc. Radiant energy collimating system. 3,264,467, 8–2–66, Cl. 240—41.3.

Mann, Alfred J., to M. H. Detrick Co. Circular furnace roof and component refractory bricks. 3,230,914, 1–25–66, Cl. 110—99.

Mann, Bernard L., to Hycon Mfg. Co. Fluid transport system. 3,256,908, 6–21–66, Cl. 137—571.

Mann, Charles A.: *See*—
Rose, Kenneth M., and Mann. 3,247,706.

Mann, Charles G., to Weltronic Co. Production monitoring system. 3,275,987, 9–27–66, Cl. 340—147.

Mann, Fred A., Jr. Floor mat. 3,234,577, 2–15–66, Cl. 15—217.

Mann, Fred A., Jr. Floor mat. 3,238,554, 3–8–66, Cl. 15—217.

Mann, Horace C., Jr.: *See*—
Stinson, John M., and Mann. 3,244,500.

Mann, James U., to United States Rubber Co. Transparent gum plastic composition containing methyl methacrylate resin and graft copolymer. 3,261,887, 7–19–66, Cl. 260—876.

Mann, John. Composite commode and overflow trough. 3,262,132, 7–26–66, Cl. 4—75.

Mann, John, P. J. Olmstead, and V. D. Buffone, to Goulds Pumps, Inc. Venturi-centrifugal pump. 3,260,216, 7–12–66, Cl. 103—103.

Mann, John E.: *See*—
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Mann, John E., and D. F. Kyser, to TRW Semiconductors, Inc. Semiconductor and method of forming by diffusion. 3,244,566, 4–5–66, Cl. 148—186.

Mann, John E., H. Trigger, and N. Hirsch, to TRW Semiconductors, Inc. Semiconductor alloying technique. 3,290,736, 12–13–66, Cl. 22—58.

Mann, Joseph K.: *See*—
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Mann, Julius W.: *See*—
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Mann, Julius W., and J. W. Smith; said Smith assor., to Potlatch Forests, Inc. Partial spreading of adhesive. 3,232,809, 2–1–6, Cl. 156—273.

Mann, Julius W., and G. F. Russell. Segmented extended toroidal electrode and process of dielectric heating therewithin. 3,244,850, 4–5–66, Cl. 219—10.41.

Mann, Karl E., to Otto Fuchs, K.G. Casting of metal ingots. 3,268,963, 8–30–66, Cl. 22—212.

Mann, Karl E., to O. Fuchs. Castings of magnesium-aluminum-zinc alloys. 3,291,656, 12–13–66, Cl. 148—161.

Mann, Leonard J.: *See*—
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O'Connell, John J., and Mann. 3,287,933.

Mann, Max. Marking device. 3,260,193, 7–12–66, Cl. 101—35.

Mann, Michael M., to Hughes Aircraft Co. Traveling-wave tube slow-wave structure including multiple helices interconnected by spaced conductive plates. 3,268,761, 8–23–66, Cl. 315—3.6.

Mann, Robert L., to Eli Lilly and Co. Anthelmintic hygromycin B derivatives and process of using same. 3,293,128, 12–20–66, Cl. 167—65.

Mann, Robert W., W. S. Griffin, and C. H. Marston, to United States of America, Navy. Solid propellant burning control systems. 3,266,247, 8–16–66, Cl. 60—39.02.

Mann, Roger H., and D. F. Hess, to Shell Oil Co. Stabilized rubber compositions. 3,234,173, 2–8–66, Cl. 260—33.6.

Mann, Stuart N., and W. G. Steel, to The Hard Mfg. Co. Over-bed table. 3,286,663, 11–22–66, Cl. 108—144.

Mann, Warren L., and H. B. Mehlman, to West Virginia Pulp and Paper Co. Flow distributor. 3,282,248, 11–1–66, Cl. 118—612.

Mann, William C., to Westinghouse Electric Corp. Decision circuit. 3,254,326, 5–31–66, Cl. 340—146.1.

Mann, William C., to Westinghouse Electric Corp. Redundant clock pulse source utilizing majority logic. 3,278,852, 10–11–66, Cl. 328—60.

Mann, William W.: *See*—
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Manna, Lee M., to General American Transportation Corp. Agitating apparatus. 3,286,994, 11–22–66, Cl. 259—135.

Mannaioni, Lelio. Hydraulic oil device for tool differential pilot control in machine tools. 3,279,288, 10–18–66, Cl. 82—14.

Mannbro, Nils V. Method of regenerating sodium sulfite waste liquors. 3,248,169, 4–26–66, Cl. 23—48.

Mannby, Per-Arne: *See*—
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Sem-Sandberg, Sverre G., and Mannby. 3,242,848.

Mannell, Lawrence G.: *See*—
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Manners, Frank A., C. A. Schurr, and G. T. Johnston, to Square D Co. Motor vehicle system and magnetic amplifier therefor. 3,235,782, 2–15–66, Cl. 318—229.

Mannes, Karl, and G. Unterstenhofer, to Farbenfabriken Bayer Aktiengesellschaft. (Thio)-phosphoric, -phosphonic, and phosphinic acid esters of 4-hydroxy phthalimide derivatives. 3,277,113, 10–4–66, Cl. 260—326.

Mannes, Karl, R. Heiss, H. Pelster, and G. Unterstenhofer, to Farbenfabriken Bayer Aktiengesellschaft. (Para nitro-3-tertiaryamino-phenyl) thiophosphoric acid esters. 3,291,866, 12–13–66, Cl. 260—945.

Mannes, Karl, K. Wedemeyer, and G. Unterstenhofer, to Farbenfabriken Bayer Aktiengesellschaft. Phosphoric acid esters, ester amides of ester diamides. 3,294,875, 12–27–66, Cl. 260—949.

Mannesmann Aktiengesellschaft: *See*—
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Mannheim, Guenther, E. D. Zeitwanger, and D. E. Kuska, to Oliver Corp. Spring cushion and release mechanism for ground-working tool. 3,292,713, 12–20–66, Cl. 172—269.

Mannheimer, Hans S., to H. S. Mannheimer, and J. J. McCabe, Jr. Substituted imidazolines. 3,231,580, 1–25–66, Cl. 260—309.6.

Mannheimer, Hans S., to H. S. Mannheimer and J.J. McCabe. Imidazolinium derivatives. 3,231,581, 1–25–66, Cl. 260—309.6.

Mannheimer, Hans S., to H. S. Mannheimer and J. J. McCabe, Jr. Substituted imidazolines. 3,231,582, 1–25–66, Cl. 260—309.6.

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Manning, David T., to Union Carbide Corp. Stabilization of organic isocyanates with monoalkenyl-thioureas. 3,275,671, 9–27–66, Cl. 260—455.

Manning, David T., to Union Carbide Corp. Stabilization of organic isocyanates with alkenyl ketones and esters. 3,281,444, 10–25–66, Cl. 260—453.

Manning, David T., to Union Carbide Corp. Tolylene diisocyanates stabilized with 1-phenyl-2-thiourea. 3,281,446, 10–25–66, Cl. 260—453.

Manning, David T., to Union Carbide Corp. Stabilization of organic isocyanates with organic aldoximes. 3,284,480, 11–8–66, Cl. 260—453.

Manning, David T., and B. D. Ash, to Union Carbide Corp. Stabilization of organic isocyanates with sulfoxides, sulfones and sulfite esters. 3,281,445, 10–25–66, Cl. 260—453.

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Manning, Lindley, and H. F. Tiedemann, to Nevada Electronics. Coin handling apparatus. 3,245,419, 4–12–66, Cl. 133—2.

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Manning, William O., Jr., to Holley Carburetor Co. Carburetor choke system. 3,243,168, 3–29–66, Cl. 261—46.

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Manoll, Roy E., to United States of America, Atomic Energy Commission. Quick opening latch and anti-vibration lock for nuclear reactor safety rod. 3,261,760, 7–19–66, Cl. 176—86.

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Mansfield, David F. G., T. H. R. Browning, and R. Smith, to British Nylon Spinners Ltd. Processes for winding and doffing bobbins. 3,263,410, 8–2–66, Cl. 57—156.

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Mansfield, George A., Jr., R. P. McCabe, and M. Begian, to Holley Carburetor Co. Differential pressure responsive device. 3,240,894, 3–15–66, Cl. 200—83.

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Mansfield, Richard C., to Rohm & Haas Co. Alkali soluble and alkali stable compositions comprised predominantly of phosphate monoesters. 3,235,627, 2–15–66, Cl. 260—926.

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Mantefiazza, Attilio, C. Reni, and F. Ferre, to Societa' Italiana Resine S.p.A. Method of dephenolizing cumene. 3,284,506, 11–8–66, Cl. 260—593.

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Manthorne, William H., to Western Electric Co., Inc. Key-operated lock. 3,230,749, 1–25–66, Cl. 70—421.

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Manuel, Thomas A., and M. Berger, to Esso Research and Engineering Co. Metallo-organic polymers, their preparation and utility. 3,282,909, 11–1–66, Cl. 260—94.7.

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Manz, August F., to Union Carbide Corp. Work-in-circuit metal arc welding. 3,275,797, 9–27–66, Cl. 219—137.

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Marchello, John L., to Joseph Buegeleisen Co. Safety helmet cover in combination with a helmet. 3,245,087, 4–12–66, Cl. 2—3.

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Marcus, Ira R., to United States of America, Army. Power-saving device for digital circuitry. 3,283,173, 11–1–66, Cl. 307—88.5.

Marcus, Ira R., and R. J. Reyzer, to The United States of America. Resistance-capacitance timing circuit for long intervals. 3,259,854, 7–5–66, Cl. 331—111.

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Mardarello, Alfred F., to United States of America, Army. Projectile skirt. 3,261,290, 7–19–66, Cl. 102—38.

Marechal, Adrien, and J. Paineau, to Societe Rivex. Apparatus for assembling screw blanks and washers. 3,226,744, 1–4–66, Cl. 10—155.

Marechal, Joseph E. M., H. R. Debus, and R. M. Cahen, to Labofina S.A. Process for the reduction of the aromatic content of petroleum distillates. 3,269,939, 8–30–66, Cl. 208—143.

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Margolien, David H. Elongated stock cutting apparatus. 3,263,544, 8–2–66, Cl. 83—409.

Margolise, Fay. Imitated normal hard book cover. 3,231,-296, 1–25–66, Cl. 281—29.

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Marien, Kenneth J., to Square D Co. Interlocking cap and lens for indicator lights. 3,228,288, 1–11–66, Cl. 88—57.

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Marietta, Michael T. Helmet. 3,292,180, 12–20–66, Cl. 2—3.

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Marinace, John C., to International Business Machines Corp. Method of forming an integral masking fixture by epitaxial growth. 3,234,058, 2–8–66, Cl. 148—175.

Marinace, John C., to International Business Machines Corp. Semiconductor device fabrication. 3,234,440, 2–8–66, Cl. 317—234.

Marinace, John C., to International Business Machines Corp. Integrated circuit process and structure. 3,267,338, 8–16–66, Cl. 317—234.

Marinace, John C., to International Business Machines Corp. Uniaxial crystal signal device. 3,271,631, 9–6–66, Cl. 317—234.

Marinace, John C., and R. F. Rutz, to International Business Machines Corp. Semiconductor laser structures. 3,257,-626, 6–21–66, Cl. 331—94.5.

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Ferri, Giampiero, and Marinai. 3,293,788.

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Marine Optical Mfg. Co.: *See*—
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Marini, Thomas O., and L. G., and B. L. Cosden; said T. O. and L. G. Marini, assors., to said Cosden. Aluminum shingle. 3,269,075, 8–30–66, Cl. 52—522.

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Marjoram, Ernest B., and A. M. Hedglin, to Beattie-Coleman, Inc. Filter means for camera-oscilloscope assembly. 3,277,240, 10–4–66, Cl. 178—7.86.

Mark, Alexander H., and T. G. Bornemisza, to Massey-Ferguson Inc. Grain dryer. 3,238,637, 3–8–66, Cl. 34—65.

Mark, Alexander H., J. Necas, and J. M. Brzustowski, to Massey-Ferguson Ltd. Pull-type combine. 3,245,208, 4–12–66, Cl. 56—21.

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Mark, Victor, to Monsanto Co. Method of controlling insects with heterocyclic norbornene derivatives. 3,281,317, 10–25–66, Cl. 167—33.

Mark, Victor, to Monsanto Co. Polyhalo-bicyclic compounds and oxygenated derivatives. 3,290,359, 12–6–66, Cl. 260—488.

Mark, Victor, to Monsanto Co. Germicidal soap compositions. 3,294,691, 12–27–66, Cl. 252—107.

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Borsattino, Vincent S., Marker, and Shalla. 3,286,197.

Marker, Hannes. Safety front jaw for ski bindings or fastenings. 3,272,523, 9–13–66, Cl. 280—11.35.

Marker, Hannes. Tensioning device for ski bindings. 3,279,-809, 10–18–66, Cl. 280—11.35.

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Markert, Ferdinand: *See*—
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Markgraf, John H., and E. C. Taylor, to The Procter & Gamble Co. Detergent compositions containing sulfonylphenol compounds. 3,249,549, 5–3–66, Cl. 252—138.
Markgraf, John H., and E. C. Taylor, to The Procter & Gamble Co. Alkylsulfonyl phenols. 3,249,640, 5–3–66, Cl. 260—607.
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Markiewitz, Kenneth H., to Atlas Chemical Industries, Inc. Ammonolysis process. 3,278,598, 10–11–66, Cl. 260—563.
Markland, William R., F. D. Doca, and P. Tusa, to Chesebrough-Pond's Inc. Transparent mineral oil-water gels. 3,228,842, 1–11–66, Cl. 167—87.
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Markley, Francis X., and E. R. Ruckel, to American Cyanamid Co. Method of preparing substituted triazines. 3,243,436, 3–29–66, Cl. 260—248.
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Markowitz, Jerome, M. F. Nelson, and E. H. Strain, to Allen Organ Co. Electronic piano having means responsive to the velocity of the action. 3,248,470, 4–26–66, Cl. 84—1.1.
Markowitz, Joel. Skin diver fin. 3,268,927, 8–30–66, Cl. 9—304.
Markowitz, Meyer M., to Foote Mineral Co. Oxygen-generating product. 3,293,187, 12–20–66, Cl. 252—186.
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Marks, Alvin M., and M. M. Compositions containing ligands and processes for utilizing same. 3,236,851, 2–22–66, Cl. 96—88.
Marks, Alvin M. and M. M. Electro-optic responsive flash-blindness controlling device. 3,245,315, 4–12–66, Cl. 88—61.
Marks, Alvin M. and M. M. Moving screen projection system. 3,248,165, 4–26–66, Cl. 352—61.
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Marks, Alvin M. and M. M. Film casting apparatus. 3,263,272, 8–2–66, Cl. 18—15.
Marks, Alvin M. and M. M. Light polarizing film and fibre forming method. 3,265,777, 8–9–66, Cl. 264—2.
Marks, Alvin M. and M. M. Electro thermo-phototropic compositions and apparatus. 3,266,370, 8–16–66, Cl. 88—61.
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Marks, Burton S., to Continental Can Co., Inc. Organic flux for soldering. 3,235,414, 2–15–66, Cl. 148—23.
Marks, Burton S., to Continental Can Co., Inc. Organic flux compositions and method of using same. 3,264,146, 8–2–66, Cl. 148—23.
Marks, Charles A. Emergency traction cleat for vehicles. 3,289,727, 12–6–66, Cl. 152—225.
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Marks, Eugene A., to Bourns, Inc. Helical Bourdon tube pressure transducer. 3,267,734, 8–23–66, Cl. 73—414.
Marks, Eugene A., and R. B. Sperling, to Bourns, Inc. Dry high-pressure potentiometric transducer. 3,289,136, 11–29–66, Cl. 338—42.
Marks, George E., and R. H. James, to Sperry Rand Corp. Transistor avalanche mode pulse generator. 3,263,098, 7–26–66. Cl. 307—88.5.
Marks, George M., to Industrial Heat Engineering Corp. Machine for heat setting synthetic fabrics. 3,271,016, 9–6–66, Cl. 263—3.
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Marks, Jerome B.: *See*—
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Marks, Monte L. Voltage regulator. 3,250,981, 5–10–66, Cl. 323—22.
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Marks, Alvin M. and M. M. 3,265,777.
Marks, Alvin M. and M. M. 3,266,370.
Marks, Alvin M. and M. M. 3,285,746.
Marks, Ronald H., and L. R. Goodman, said Goodman assor., to said Marks. Method and apparatus for producing a knitted fabric. 3,242,698, 3–29–66, Cl. 66—125.
Marks, Ronald H., and L. R. Goodman, to American Can Co. Fabric. 3,282,071, 11–1–66, Cl. 66—169.
Marks, Theodore, and J. T. Gelardi, to American Technical Machinery Corp. Brush making apparatus. 3,231,311, 1–25–66, Cl. 300—2.
Marks, Theodore, and J. T. Gelardi, to American Technical Machinery Corp. Brush making apparatus and method. 3,254,923, 6–7–66, Cl. 300—12.
Marks, William J. Scraper device. 3,274,684, 9–27–66, Cl. 30—171.
Marks, William M., J. E. Ashworth, and W. L. Brackin, to Dresser Industries, Inc. Multisheave blocks. 3,276,749, 10–4–66, Cl. 254—188.
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Markus, George, to Evans-Aristocrat Industries, Inc. Ornamental sheet material and the method of its manufacture. 3,244,578, 4–5–66, Cl. 161—113.
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Marland, Joseph A. One-way brake assembly and seal means therefor. 3,247,935, 4–26–66, Cl. 188—264.
Marland, Joseph A. Rotary kiln drive mechanism. 3,257,104, 6–21–66, Cl. 263—33.
Marland, Joseph A., to Marland Foundation. Radiant and hot air heating system. 3,260,460, 7–12–66, Cl. 237—50.
Marland, Joseph A., and C. W. Hill. One-way backstop. 3,236,337, 2–22–66, Cl. 188—82.84.
Marland, Joseph A., and S. B. Gamble, to Marland Foundation. Drive mechanism for roller hearth furnace. 3,254,778, 6–7–66, Cl. 214—18.
Marlar, Robert H. Garment hanger attachment. 3,244,334, 4–5–66, Cl. 223—91.
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Marlett, Russell. Spring actuated pinchcock. 3,262,670, 7–26–66, Cl. 251—7.
Marley, James E., and C. W. Wiley, to AMP Inc. Electrical connector means. 3,286,220, 11–15–66, Cl. 339—192.
Marley, John, to Hazeltine Research, Inc. Method of manufacturing magnetic deflection coils and yokes. 3,234,631, 2–15–66, Cl. 29—155.57.
Marley, John, to Hazeltine Research, Inc. Method of manufacturing magnetic deflection yokes. 3,234,632, 2–15–66, Cl. 29—155.58.
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Marlot, Raoul, to Service National Electricite de France. Pulse telemetering apparatus for transmitting to a remote location the value of a magnitude. 3,231,877, 1–25–66, Cl. 340—206.
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Marnett, Lawrence F., R. J. Tenney, and J. B. Thompson, to C. J. Patterson Co. Method for the protection of loci susceptible to the growth of undesired microorganisms. 3,275,503, 9–27–66, Cl. 167—22.
Marnon, Edward S. Method and means for producing unitized load package. 3,246,744, 4–19–66, Cl. 206—65.
Marola, Americo E., and N. W. Starr, to The Torrington Co. Clutch and brakes for sewing machine. 3,253,685, 5–31–66, Cl. 192—18.
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Maropis, Nicholas, to United States of America, Atomic Energy Commission. Method and apparatus for detecting incipient boiling of a liquid. 3,264,863, 8–9–66, Cl. 73—67.
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Marosi, Stephen L. 3,239,441.
Marosi, Stephen L., to Marosi Precision Products Co., Inc. Method and apparatus for electrolytic production of printed circuits. 3,239,441, 3–8–66, Cl. 204—143.
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Marot, Maurice R., to Electrical Protection Co. (Proprietary) Ltd. Polarized relay having a pushbutton resetting means. 3,281,730, 10–25–66, Cl. 335—86.
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Marotta, Carl D., and W. D. Diana, to National Starch and Chemical Corp. Method of making a remoistenable adhesive product. 3,257,225, 6–21–66, Cl. 117—33.
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Marquis, David M., and W. G. Toland, to Cherron Research Co. Preparation of mercaptans using thiomalic acid. 3,232,992, 2–1–66, Cl. 260—609.
Marquis, Gerard J., to United Shoe Machinery Corp. Lasting machines. 3,226,745, 1–4–66, Cl. 12—12.
Marquis, Gerard J., and F. W. Wetherbee, to United Shoe Machinery Corp. Shoe lasting machines. 3,226,746, 1–4–66, Cl. 12—12.
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Marra, Ivan L., to Fre-Mar Industries. Sealing material. 3,269,445, 8–30–66, Cl. 152—370.
Marraffino, Leonard L. Hot lather shave blender. 3,291,346, 12–13–66, Cl. 222—136.
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Mars, Inc.: *See*—
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Marsan, Arthur E., to Hollister, Inc. Post-surgical irrigation appliance. 3,292,625, 12–20–66, Cl. 128—283.
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Happel, John, Marsel, and Blanck. 3,235,618.
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Marsh, Byron E., and D. J. Tucek, to Armour and Co. Sludge inhibited fuel oil compositions. 3,244,491, 4–5–66, Cl. 44—66.
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Marsh, Elliott R., and G. J. Saxenmeyer, to International Business Machines Corp. Ring control circuits. 3,253,261, 5–24–66, Cl. 340—168.

Marsh, Frank D., to E. I. du Pont de Nemours and Co. Reaction of cyanogen azide with benzenoid compounds and selected azepines made thereby. 3,268,512, 8–23–66, Cl. 260—239.

Marsh, Frank D., to E. I. du Pont de Nemours and Co. Azodicarbonitrile and synthesis thereof. 3,278,267, 10–11–66, Cl. 23—204.

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Marsh, Harry. Doors. 3,230,585, 1–25–66, Cl. 20—19.

Marsh, Holdridge W., to North American Aviation, Inc. Fluid pressure balanced seal. 3,233,862, 2–8–66, Cl. 251—172.

Marsh, John, G. D. Reid, and D. M. Crose, to Pneumo Dynamics Corp. Solid propellant actuation system. 3,271,124, 9–13–66, Cl. 102—50.

Marsh, John A., and G. W. Armfield, to Marsh-Armfield. Method of manufacturing cushions. 3,270,394, 9–6–66, Cl. 29—91.1.

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Marsh, Stanley B., and A. S. Wiltshire, to Minister of Aviation in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Microwave oscillator having frequency and amplitude stabilization means. 3,265,985, 8–9–66, Cl. 331—6.

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Marsh, William S., and K. V. Rao, to Chas. Pfizer & Co., Inc. Antibiotic P A 166 and method of preparing. 3,264,185, 8–2–66, Cl. 167—65.

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Marshall, Audrey M. Fluid-flow control valves. 3,286,980, 11–22–66. Cl. 251—302.

Marshall, Charles J. Bracket attachment for motor vehicles. 3,286,892, 11–22–66, Cl. 224—42.1.

Marshall, Charles W., to G. D. Seamle & Co. 3-(lower alkoxy) - 17α - (lower alkanoyl) oxypregna-3,5-diene-7,20-diones. 3,277,124, 10–4–66, Cl. 260—397.4.

Marshall, Clifton W., to United States of America, Air Force. Automatically extending pilot chute bridle attachment. 3,278,142, 10–11–66, Cl. 244—149.

Marshall, David D., and I. M. Nayler, to Greengate & Irwell Rubber Co., Ltd., and Nayler (Petroseals) Ltd. Floating covers for liquid storage tanks. 3,288,322, 11–29–66, Cl. 220—26.

Marshall, David J., and C. Revesz, to American Home Products Corp. Steroidal spiro-oxazolidinones. 3,272,801, 9–13–66, Cl. 260—239.55.

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Marshall, Don J., to Goodall Semi-Metallic Hose & Mfg. Co. Variable pitch marine propeller. 3,231,023, 1–25–66, Cl. 170—160.49.

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Marshall, Joseph, and P. J. Herb, to The Thomas & Betts Co. Terminal connector. 3,277,425, 10–4–66, Cl. 339—176.

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Marshall, Mervin D., and W. H. Bernauer, to Callery Chemical Co. Production of nitrogenous compounds containing halogens. 3,238,013, 3–1–66, Cl. 23—14.

Marshall, Philip, and J. M. Blakeway, to Colgate-Palmolive Co. Sulphonation of organic compounds. 3,270,038, 8–30–66, Cl. 260—400.

Marshall, Philip G., to Aspro-Nicholas Ltd. Novel synthesis of 19-nor steroids and novel 19-nor steroid intermediates. 3,291,814, 12–13–66, Cl. 260—397.4.

Marshall, Preston F.: *See*—
Spicer, Ronald F., and Marshall. 3,280,546.

Marshall, Richard G., to The Ford Motor Co. Headlamp outage indicator. 3,293,489, 12–20–66. Cl. 315—83.

Marshall, Rolland E., to Pressed Steel Tank Co. Pressure vessel butt joint and method of making same. 3,246,794, 4–19–66, Cl. 220—67.

Marshall, Stephen V. T., to The Dow Chemical Co. Method and apparatus for incorporating solid bodies into thermoplastic compositions. 3,243,483, 3–29–66, Cl. 264—45.

Marshall, Walter R., and R. K. Dearing, to Union Carbide Corp. Apparatus for the devolatilization of foamable viscous solutions. 3,280,886, 10–25–66, Cl. 159—2.

Marshall, Walter T. F. Chain conveyor tracks. 3,249,207, 5–3–66, Cl. 198—177.

Marshall, William C., G. R. Bell, and G. J. Coogan, to Johns-Manville Corp. Method for removing iron from water. 3,259,571, 7–5–66, Cl. 210—59.

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Martauz, Stanley. Signal lights for motor vehicles. 3,273,117, 9–13–66, Cl. 340—81.

Martel, Jacques, E. Toromanoff, and C. Huynah, to Roussel-UCLAF. Novel process for preparation of colchicinic compounds. 3,280,151, 10–18–66, Cl. 260—343.6.

Martel, Richard A., to General Precision, Inc. Electroluminescent phosphorescent dynamic display. 3,286,027, 11–15–66, Cl. 178—7.5.

Martel, Rock F.: *See*—
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Martelet, Ronald G., to Sears, Roebuck and Co. Nautical light. 3,254,206, 5–31–66, Cl. 240—7.5.

Martell, George E., to Smith Kline & French Laboratories. Rotary printer feeder comprising oscillatable suction head and reciprocable pusher jaw. 3,241,487, 3–22–66, Cl. 101—232.

Martell, George E., to Smith Kline & French Laboratories. Article packaging machine. 3,281,012, 10–25–66, Cl. 221—172.

Martell, Michael J., Jr., and A. S. Tomcufcik. Novel 2-carboxamido - N-imidomethyl-6-demethyl-6-deoxytetracyclines. 3,275,652, 9–27–66, Cl. 260—326.

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Martellock, Arthur C., to General Electric Co. Silyl amine processing aids for polysiloxane elastomers. 3,243,404, 3–29–66. Cl. 260—37.

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Marten, Jerome H., to Chemical Construction Corp. Synthesis of melamine. 3,290,309, 12–6–66, Cl. 260—249.7.

Martens, Alexander E., to Bausch & Lomb Inc. Photo-electric bias control circuit. 3,230,469, 1–18–66, Cl. 330—59.

Martens, Alexander E., to Bausch & Lomb Inc. Bias control. 3,230,471, 1–18–66, Cl. 330—204.

Martens, Alexander E., to Bansch & Lomb Inc. Overload protection circuit for mirror galvanometer using photoconductive cells to shunt overload current. 3,238,454, 3–1–66, Cl. 324—110.

Martens, Alexander E. Electronic security system. 3,239,815, 3–8–66, Cl. 340—149.

Martens, Alexander E., to Bausch & Lomb Inc. Calibration unit. 3,287,957, 11–29–66, Cl. 73—1.

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Martin, Alfred P., to Gulton Industries, Inc. Power and voltage regulator circuit. 3,237,081, 2–22–66, Cl. 321—18.

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Morham, Walter H., and Martin. 3,254,471.

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Martin, David G., to The Upjohn Co. Lincomycin salt. 3,282,780, 11–1–66, Cl. 167—65.

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Martin, Erwin H. E., R. N. Thomson, and D. Norbury, to Dunlop Rubber Co. Ltd. Inflatable structure. 3,285,003, 11–15–66, Cl. 60—35.6.

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Martin, Frank, to Fairey Engineering Ltd. Anchorage device for cables. 3,245,127, 4–12–66, Cl. 24—123.

Martin, Frank A., A. C. Miller, W. E. Ashbaugh, R. D. Murphy, and M. W. Helm, to The Hoover Co. Method and apparatus for making single ply and multi-ply corrugated hose. 3,245,852, 4–12–66. Cl. 156—86.

Martin, Frank G., to The William Carter Co. Flexible strip feeding and folding mechanism. 3,244,343, 4–5–66, Cl. 227—76.

Martin, Frank V. Theft-proof shopping cart. 3,272,527, 9–13–66, Cl. 280—33.99.

Martin, Fred E., to Aerojet-General Corp. Membranes for concentration of solutions. 3,291,730, 12–13–66, Cl. 210—22.

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Martin, George J., to Parker-Hannifin Corp. Fluid system and valve assembly therefor. 3,237,531, 3–1–66, Cl. 91—414.

Martin, George J., to Parker-Hannifin Corp. Motor control valve with flow restrictor means. 3,247,867, 4–26–66, Cl. 137—596.2.

Martin, George J., to Parker-Hannifin Corp. Flow control valve for fluid motors and the like. 3,285,282, 11–15–66, Cl. 137—596.

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Martin, Gustav J., to William H. Rorer, Inc. Anti-asthmatic composition and methods. 3,287,220, 11–22–66, Cl. 167—73.

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Martin, Henry, and H. Aebi, to Ciba Ltd. Method for combating weeds. 3,241,942, 3–22–66, Cl. 71—2.6.

Martin, Henry, and H. Aebi, to Ciba Ltd. Method for combating weeds. 3,244,504, 4–5–66, Cl. 71—2.6.

Martin, Henry, H. Aebi, and L. Ebner, to Ciba Ltd. Process for the bromination of phenylureas. 3,288,851, 11–29–66, Cl. 260—553.

Martin, Henry A., to Sprague Electric Co. Electrolytic etching of anodisable metal foil. 3,284,326, 11–8–66, Cl. 204—141.

Martin, Henry E., to United Aircraft Corp. Load protector. 3,262,016, 7–19–66, Cl. 317—33.

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Martin, Henry J., and C. H. Kretschmer, Jr., to M and K Jar Cleaner Corp. Jar capping machine. 3,255,568, 6–14–66, Cl. 53—95.

Martin, Herbert, and K. Adolph, to J. Eberspacher. Mixing nozzle. 3,254,483, 6–7–66, Cl. 60—30.

Martin, Herbert R., to General Motors Corp. Bayonet-type lamp socket assembly. 3,273,106, 9–13–66, Cl. 339—188.

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Martin, Hollinshead T., A. I. Ericsson, and I. J. Vilcins, to Signode Corp. Seal. 3,267,535, 8–23–66, Cl. 24—16.

Martin, Horst-Edgar, and K. Spinler, to Siemens & Halske Aktiengesellschaft. Coaxial high-frequency cable with internal spacers. 3,271,506, 9–6–66, Cl. 174—28.

Martin, Howard F., to Three Star Creation, Inc. Self-contained vibrator unit. 3,234,933, 2–15–66, Cl. 128—36.

Martin, Howard L. Infant feeding apparatus. 3,251,626, 5–17–66, Cl. 297—188.

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Martin, James. Ejection of airmen from aircraft. 3,265,337, 8–9–66, Cl. 244—122.

Martin, James. Apparatus for controlling aircraft. 3,275,267, 9–27–66, Cl. 244—75.

Martin, James. Ejection seats. 3,270,991, 9–6–66, Cl. 244—122.

Martin, James. Latches. 3,277,545, 10–11–66, Cl. 24—205.17.

Martin, James. Vehicle escape systems. 3,293,984, 12–27–66, Cl. 89—1.

Martin, James B., to The Procter & Gamble Co. Liquid shortening. 3,248,227, 4–26–66, Cl. 99—92.

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Martin, James C., to Eastman Kodak Co. 4-(tertiaryamino)-2H-pyran-2-ones. 3,277,088, 10–4–66, Cl. 260—247.2.

Martin, James C., to Eastman Kodak Co Acetylketene O,N-acetals. 3,277,089, 10–4–66, Cl. 260—247.7.

Martin, James C., to Eastman Kodak Co. 1,3-cyclohexanediols. 3,240,785, 3–15–66, Cl. 260—294.7.

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Martin, James C., and R. Gilkey, to Eastman Kodak Co. Preparation of thiolesters. 3,260,736, 7–12–66, Cl. 260—455.

Martin, James H., 75% to J. H. Martin, and 25% to F. G. Space, Jr. Propulsion system. 3,234,856, 2–15–66, Cl. 91—413.

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Martin, James M., to Insto-Gas Corp. Heater tube assembly. 3,253,243, 5–24–66, Cl. 338—316.

Martin, Jean C., to Societe Rhodiaceta. Device for equalizing the tension in a filament. 3,279,670, 10–18–66, Cl. 226—195.

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Martin, John, to The Laitram Corp. Process for the treatment of edible crustacea. 3,278,983, 10–18–66, Cl. 17—45.

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Martin, John C., to General Motors Corp. Domestic electric appliance. 3,275,798, 9–27–66, Cl. 219—312.

Martin, John C., and I. D. Smith, to United Kingdom Atomic Energy Authority. Electrical switch having a trigger electrode whose sharp edges are sealed to suppress the formation of corona. 3,264,436, 8–2–66, Cl. 200—118.

Martin, John C., Jr. Card rack for scheduling. 3,237,329, 3–1–66 Cl. 40—124.

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Martin, John J., and R. A. Hitch, to Pullman Inc. Tandem container connecting arrangement. 3,294,419, 12–27–66, Cl. 280—415.

Martin, John R., to Calumet and Hecla, Inc. Method and apparatus for cutting tubes. 3,268,137, 8–23–66, Cl. 225—2.

Martin, John S. Separator and warning system therefor. 3,246,757, 4–19–66, Cl. 210—86.

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Martin, Joseph A., to American Machine & Foundry Co. Variable displacement polyphase inverters. 3,252,107, 5–17–66, Cl. 331—45.

Martin, Joseph A., to Mayfair Molded Products Corp. Anode connector. 3,258,732, 6–28–66, Cl. 339—59.

Martin, Joseph A., to Mayfair Molded Products Corp. Switches embodying spring-loaded actuating button means. 3,261,955, 7–19–66, Cl. 200—159.

Martin, Joseph F., to General Dynamics Corp. Emergency clock pulse standby system. 3,289,097, 11–29–66, Cl. 331—49.

Martin, Joseph F., and F. Niertit, to General Dynamics Corp. Voltage comparator incorporating voltage-responsive switchable tunnel diode impedance means. 3,231,756, 1–25–66, Cl. 307—88.5.

Martin, Joseph F., and F. Niertit, to General Dynamics Corp. Pulse width control amplifier. 3,231,765, 1–25–66, Cl. 307—88.5.

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Martin, Joseph R., to Flexnit Co., Inc. Self-adjustable foundation garment. 3,245,410, 4–12–66, Cl. 128—541.

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Martin, William R., and J. R. Weir, to United States of America, Atomic Energy Commission. Metal-clad fuel element with copper foil interlayer. 3,230,150, 1–18–66, Cl. 176—68.
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Martinmaas, Werner W., to Arthur E. Thompson, and Eugene B. Koehn. Stock-proof gateway. 3,293,800, 12–27–66, Cl. 49—59.
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Broun, Thorowgood T., Jr., Hoekje, Martinsons, and Anthony. 3,250,691.
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Marx, Gerhard, and D. Winkelmann, to Azoplate Corp. Process and apparatus for the development of latent electrostatic images. 3,276,424, 10–4–66, Cl. 118—637.
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Marzocchi, Alfred, and J. A. Waugh. Surface treatment of attenuated glass. 3,232,788, 2–1–66, Cl. 117—126.
Marzocchi, Alfred, and R. C. Horton, to Owens-Corning Fiberglas Corp. Method for improving the adhesion of vinyl polymers to glass fibers by the use of nitrogen compounds. 3,234,042, 2–8–66, Cl. 117—126.
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Marzocchi, Alfred, and N. S. Janetos, to Owens-Corning Fiberglas Corp. Elastomeric-glass fiber products and process. 3,252,278, 5–24–66, Cl. 57—153.
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Massey, Richard P., to Bell Telephone Laboratories, Inc. Regulated converter circuit employing a high gain feedback loop. 3,249,894, 5–3–66, Cl. 331—113.
Massey, Richard P., to Bell Telephone Laboratories, Inc. Traveling wave tube modulator circuit. 3,259,855, 7–5–66, Cl. 332—7.
Massey, Richard P., to Bell Telephone Laboratories, Inc. D.C. to A.C. regulated converter. 3,295,043, 12–27–66, Cl. 321—2.
Massey, William A., to United States of America, Air Force. Radar range extension system. 3,229,288, 1–11–66, Cl. 343—17.1.
Massey, William A., to United States of America, Air Force. Multiple radar range extension system. 3,243,814, 3–29–66, Cl. 343—17.1.
Massey, William M., and B. L. Pope, to E. I. du Pont de Nemours and Co. Adjustable profile chimney. 3,274,644, 9–27–66, Cl. 18—8.
Massicotte, William. Foam light weight rubber snow shoes. 3,269,037, 8–30–66, Cl. 36—4.5.
Massie, Phillp E. Stair-climbing wheel chair. 3,227,465, 1–4–66, Cl. 280—5.2.
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Massina, Pierre, to Tubest. Pneumatic jack-operated swinging door and the like. 3,269,061, 8–30–66, Cl. 49—326.
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Masso Remiro, Jose M. Process for the manufacture of mixed fabric and latex garments. 3,273,167, 9–20–66, Cl. 2—243.
Massoll, Stanley R., to General Motors Corp. Light control means. 3,265,927, 8–9–66, Cl. 315—84.
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Massoubre, Jean-Marie, to Compagnie Generale des Etablissements Michelin, raison sociale Michelin and Cie. Pneumatic tires. 3,231,000, 1–25–66, Cl. 152—361.
Massoubre, Jean-Marie, and G. L. Travers, to Compagnie Generale des Etablissements Michelin, raison sociale Michelin & Cie. Method of bromating interpolymers of an isoolefin and polyolefins. 3,235,538, 2–15–66, Cl. 260—85.3.
Mast, Aquila D. Apparatus for pelletizing particulate material. 3,238,865, 3–8–66, Cl. 100—45.
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Mast, Gifford M., Gannett, and Taylor. 3,245,746.
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Mast, Fred, to Gretag Aktiengesellschaft. Method of recording electrical signals. 3,268,906, 8–23–66, Cl. 346—1.

Mast, Gifford M., W. K. Gannett, and W. A. Taylor, to Mast Development Co. Projection apparatus and film magazine therefor. 3,245,746, 4–12–66, Cl. 352—72.

Mast, J. George. Process for making printing matrix. 3,249,042, 5–3–66, Cl. 101—17.

Mast, Paul L., to International Telephone and Telegraph Corp. Miniature horn antenna. 3,261,018, 7–12–66, Cl. 343—705.

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Masters, Charles G., Jr., to Westinghouse Electric Corp. Redundant multivibrator. 3,283,172, 11–1–66, Cl. 307—88.5.

Masters, David W., to General Electric Co. Data processing system including priority feature for plural peripheral devices. 3,239,819, 3–8–66, Cl. 340—172.5.

Masters, David W., to General Electric Co. Data transfer system. 3,277,444, 10–4–66, Cl. 340—172.5.

Masters, George W., Jr., to Electro-Mechanical Research, Inc. Pressure transducers. 3,245,266, 4–12–66, Cl. 73—407.

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Masters, John E., to Devoe & Raynolds Co., Inc. Copolymers having unsaturated side chains and their preparation. 3,227,694, 1–4–66, Cl. 260—78.5.

Masters, John E., to Devoe & Raynolds Co., Inc. Epoxide compositions prepared from dimeric unsaturated higher fatty acids. 3,280,056, 10–18–66, Cl. 260—21.

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Masters, John E., and D. D. Hicks, to Celanese Coatings Co. Carboxy copolymers prepared in carboxylic acids and/or anhydrides. 3,247,144, 4–19–66, Cl. 260—23.

Masters, John E., and D. D. Hicks, to Celanese Coatings Co., Inc. Hydroxy copolymers prepared in carboxylic acids. 3,247,145, 4–19–66, Cl. 260—23.

Masters, John E., and D. D. Hicks, to Celanese Coatings Co., Inc. Solutions of hydroxy-containing copolymers in epoxide solvents. 3,247,154, 4–19–66, Cl. 260—30.4.

Masters, John E., and D. D. Hicks, to Celanese Coatings Co., Inc. Hydroxy-polymer solutions in high boiling alcohol solvent cross-linkable with epoxide. 3,247,286, 4–19–66, Cl. 260—837.

Masters, John E., and D. D. Hicks, to Celanese Coatings Co., Inc. Preparation of solids from carboxyl copolymers without solvent liberation. 3,247,287, 4–19–66, Cl. 260—837.

Masters, John E., and D. D. Hicks, to Celanese Coatings Co., Inc. Carboxy copolymers prepared in 1,2-epoxy compounds. 3,247,288, 4–19–66, Cl. 260—837.

Masters, Joseph I., to Technical Operations, Inc. Coherent light oscillators. 3,289,099, 11–29–66, Cl. 331—94.5.

Masters, Joseph I., and G. B. Parrent, Jr., to Technical Operations, Inc. Laser sytem with optical coherence coupling means. 3,289,101, 11–29–66, Cl. 331—94.5.

Masters, Richard W., and A. L. Poulos, to United States Steel Corp. Starter-bar head with make-and-break joint. 3,239,894, 3–15–66, Cl. 22—57.2.

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Masterson, Earl E., to Honeywell Inc. Mechanical apparatus. 3,279,690, 10–18–66, Cl. 234—115.

Masterson, James E., to Rohm & Haas Co. Blends of polyvinyl chloride with homopolymers and copolymers of alkyl β-vinylpropionate. 3,264,377, 8–2–66, Cl. 260—897.

Masterson, James E., D. H. Clemens, and A. W. Ritter, Jr., to Rohm & Haas Co. Vinyl resins plasticized with trisubstituted nitrilotripropionates. 3,278,478, 10–11–66, Cl. 260—31.8.

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Mastrangelo, Sebastian V. R., to E. I. du Pont de Nemours and Co. Trapped difluoromethylene radicals and their preparation and use. 3,244,606, 4–5–66, Cl. 204—169.

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Matasa, Claudiu G., I. I. Drimus, and M. Klang, to Ministerul Industriei Petrolului Si Chimiei. Apparatus for the nitration of organic compounds in gaseous phase. 3,285,712, 11–15–66, Cl. 23—285.

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Matell, Paul M. T., J. T. Tornquist, and O. R. Steijner. Process for preparing diazabicyclo-(2,2,2)-octane from polyethylene polyamines. 3,242,183, 3–22–66, Cl. 260—268.

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Matheson, Stuart B., ½ to P. Fuller. Combined scraper and standard. 3,229,316, 1–18–66, Cl. 15—105.

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Matheson, Wilfrid G., J. P. Clune, and T. J. Pricenski, to Sylvania Electric Products Inc. Electrical heating elements. 3,274,374, 9–20–66. Cl. 219—426.

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Mathewson, Wilfred F. Pulp screen or filter. 3,229,815, 1–18–66, Cl. 209—250.

Mathewson, Wilfred F. Pulp screen. 3,276,584, 10–4–66, Cl. 209—243.

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Mathiesen, Nicolaus P. Magnetic card wheel. 3,250,275, 5–10–66, Cl. 129—16.

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Matkan, Josef, to Research Laboratories of Australia Ltd. Developer for electrostatic images. 3,293,183, 12–20–66, Cl. 252—62.1.

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Matlack, Albert S., to Hercules Inc. Polyolefins of improved light stability and dye receptivity containing chromium salts of hydroxamic acids. 3,274,152, 9–20–66, Cl. 260—45.75.

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Matson, Howard J., to Sinclair Research, Inc. Anti-chatter gear lubrication. 3,236,771, 2–22–66, Cl. 252—32.7.
Matson, Howard J., to Sinclair Research, Inc. Anti-chatter lubricant for limited slip differential. 3,238,130, 3–1–66, Cl. 252—32.7.
Matson, Howard J., to Sinclair Research, Inc. Lubricants containing load-carrying additives. 3,280,028, 10–18–66, Cl. 252—46.6.
Matson, Howard J., L. E. Beare, and R. J. McConnell, to Sinclair Research Inc. Transaxle lubricant. 3,236,770, 2–22–66, Cl. 252—32.7.
Matson, Howard J., and J. W. Nelson, to Sinclair Research, Inc. Extreme pressure lubricant. 3,239,464, 3–8–66, Cl. 252—46.6.
Matson, Howard J., and J. W. Nelson, to Sinclair Research, Inc. Lubricating oil compositions. 3,254,027, 5–31–66, Cl. 252—46.6.
Matson, John L., and F. A. O'Nians, to Philco Corp. Antenna feed system simultaneously operable at two frequencies utilizing polarization independent frequency selective intermediate reflector. 3,231,892, 1–25–66, Cl. 343—775.
Matson, Lyle K., F. J. Reid, and J. F. Miller, to Battelle Memorial Institute. Resistance devices. 3,270,310, 8–30–66, Cl. 338—20.
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Matsubayashi, Kanji: *See*—
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Tsuji, Takaakira, Matsubayashi, Sugie, and Tanabe. 3,290,411.
Matsubayashi, Kanji, ¼ to Air Reduction Co., Inc., and ¾ to Kabushiki Rayon Co., Ltd. Process for making polyvinyl alcohol fibers having improved properties. 3,234,160, 2–8–66, Cl. 260—29.6.
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Hagiwara, Hiroshi, Yamashita, and Matsuda. 3,259,558.
Matsuda, Jiro, to Onoda Cement Co., Ltd. Cooling machine utilizing packed layers. 3,243,893, 4–5–66, Cl. 34—168.
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Sedlak, John A., and Matsuda. 3,262,968.
Matsudaira, Tadashi, and Y. Nomura, to Nippon Kokuyu Tetsudo (known in England as Japanese National Railways). Derailment detector actuated brake system. 3,288,-992, 11–29–66, Cl. 246—173.
Matsui, Goichi. Candle impregnated with flame-colouring agents. 3,283,546, 11–8–66, Cl. 67—22.5.
Matsui, Isamu: *See*—
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Matsui, Isamu, and T. Nakahara, to Murata Kikai Kabushiki Kaisha, and Toyo Boseki Kabushiki Kaisha. Automatic knotting device for broken yarn in automatic winders. 3,281,088, 10–25–66, Cl. 242—35.6.
Matsui, Koji: *See*—
Yamaya, Wataru, and Matsui. 3,271,383.
Yamaya, Wataru, and Matsui. 3,291,788.
Matsui, Masanao, and K. Yoshioka, to Sumitomo Chemical Co., Ltd. Racemization of optically active transchrysanthemic acid. 3,282,984, 11–1–66, Cl. 260—468.
Matsui, Masanao, and H. Meguro, to Sumitomo Chemical Co., Ltd. Method for producing dextro-trans-pyrethric acid. 3,282,985, 11–1–66, Cl. 260—468.
Matsui, Masanao, and Y. Yamada, to Sumitomo Chemical Co., Ltd. Process for the production of pyrethric acid. 3,284,-486, 11–8–66, Cl. 260—468.
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Matsukawa, Taizo: *See*—
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Matsukura, Kameo: *See*—
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Matsukura, Kameo, and M. Yazu, to Yawata Iron & Steel Co., Ltd. Method of producing non-ageing special low carbon iron sheets. 3,239,390, 3–8–66, Cl. 148—12.1.
Matsukura, Kameo, and Y. Shinagawa, to Yawata Iron & Steel Co., Ltd. Process for producing cold-rolled steel sheets to be deep drawn. 3,276,917, 10–4–66, Cl. 148—12.4.
Matsukura, Yasuo, and J. Oda, to Nippon Electric Co. Ltd. Multiple hetero-layer composite semiconductor device. 3,275,906, 9–27–66, Cl. 317—234.
Matsumoto, Hiromi, to Toko Kabushiki Kaisha. Magnetic coil support having magnetic and nonmagnetic flanges. 3,284,748, 11–8–66, Cl. 336—233.
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Matsumoto, Raymond T., to North American Aviation, Inc. Floating to referenced output conversion. 3,277,385, 10–4–66, Cl. 330—14.
Matsumoto, Raymond T., and J. P. Swanson, to North American Aviation, Inc. Low-level transistor switch. 3,243,607, 3–29–66, Cl. 307—88.5.
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Matsumoto, Yoshio, Y. Nemoto, and K. Suzuki, to Sony Corp. Method of manufacturing a substantially stress-free cathode ray tube. 3,250,605, 5–10–66, Cl. 65—41.
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Goss, Norman P., Watanabe, Kumai, Tsuda, and Matsuoka. 3,258,328.
Matsuse, Takakuni, to Mitsubishi Shipbuilding & Engineering Co., Ltd. Method for rebuilding a hull, by the use of jacks, to increase the depth of water. 3,265,028, 8–9–66, Cl. 114—77.
Matsushima, Mitsuo, and S. Ogawa, to Tokyo Denki Kagaku Kogyo Kabushiki Kaisha. Combined unit of impedance. 3,295,055, 12–27–66, Cl. 323—74.
Matsushima, Mitsuo, and S. Ogawa, to Tokyo Denki Kagaku Kogyo Kabushiki Kaisha. Combined unit of impedance. 3,295,056, 12–27–66, Cl. 323—78.
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Azuna, Kuninori. 3,288,689.
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Suma, Haruro. 3,251,395.
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Matsuyama, George, to Beckman Instruments, Inc. Method and apparatus for determining iodine in organic and biological materials. 3,235,336, 2–15–66, Cl. 23—230.
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Mattarelli, Ennio. Cork filled plastic bag wad for shot gun shell. 3,280,745, 10–25–66, Cl. 102—42.
Mattausch, Edwin N., to General Motors Corp. Transmission. 3,245,278, 4–12–66, Cl. 74—333.
Matte, Paul. Miniature curling game with movable surface. 3,239,226, 3–8–66, Cl. 273—110.
Mattei, Italo V., to Rohm & Haas Co. Process for treating leather. 3,269,858, 8–30–66, Cl. 117—142.
Mattei, Italo V., F. J. Glavis, and J. A. Lowell, to Rohm & Haas Co. Composition for impregnation of leather and resulting products. 3,269,859, 8–30–66, Cl. 117—142.

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Ryan, John W. 3,228,695.
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Ryan, John W. 3,234,686.
Ryan, John W. 3,234,689.
Ryan, John W. 3,236,008.
Ryan, John W. 3,260,013.
Ryan, John W. 3,260,015.
Ryan, John W. 3,264,011.
Ryan, John W. 3,264,778.
Ryan, John W. 3,267,600.
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Ryan, John W. 3,286,393.
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Ryan, John W. 3,286,396.
Ryan, John W. 3,293,794.
Ryan, John W. 3,293,795.
Ryan, John W. and Kabot. 3,267,850.
Ryan, John W., La Branche, May, and Adickes. 3,230,-697.
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Matter, Max, and C. Vogel, to Haco A.G. 3-hydrocarbon-4-aminoalkylene-5-monocarbocylic aryl-1,2,4-triazoles. 3,247,-202, 4–19–66, Cl. 260—247.5.
Matter, Max, and R. Glatthard, to Haco A.G. Amino-alkyl-amino- and amino-alkoxy-1,3,5-triazines. 3,265,690, 8–9–66, Cl. 260—247.1.
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Mattern, Konrad, to Metallgesellschaft Aktiengesellschaft. Liquid distribution apparatus. 3,284,067, 11–8–66, Cl. 261—84.
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Matteuzzi, Amedeo, to Ghimas S.a.r.l. Method for keeping mutually incompatible substances within the same container. 3,240,328, 3–15–66, Cl. 206—47.
Matthaei, George L., to United States of America, Army. Magnetically tunable band-stop and band-pass filters. 3,268,838, 8–23–66, Cl. 333—73.
Matthaei, Raymond G., to Lever Bros. Co. Method for preparing detergent compositions. 3,247,118, 4–19–66, Cl. 252—99.
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Matthew, David V., to E. I. du Pont de Nemours and Co. Compositions containing a wax, an ethylene-vinyl acetate copolymer, and an alpha methyl styrene-vinyl toluene copolymer. 3,245,931, 4–12–66, Cl. 260—28.5.
Matthew, Morton P., to The Bunker-Ramo Corp. Forward and reverse paper feed means in selective printing machines. 3,244,095, 4–5–66, Cl. 101—94.
Matthew, Wallace R., to Petrolite Corp. Removal of sulfur bodies. 3,265,614, 8–9–66, Cl. 208—222.
Matthews, Billie D. Unitary assembly for converting a bicycle to a tricycle. 3,258,273, 6–28–66, Cl. 280—7.15.
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Matthews & Birkhamshaw Ltd.: *See*—
Matthews, Denis. 3,243,976.
Matthews, Denis. 3,265,021.
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Matthews, Charles S.: *See*—
Closmann, Philip J., and Matthews. 3,280,909.
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Matthews, Cyril G., to Plasti-Clad Metal Products, Inc. Plastic coated laminated nail. 3,252,569, 5–24–66, Cl. 206—56.
Matthews, Dean A., to Allis-Chalmers Mfg. Co. Electric truck battery compartment. 3,275,092, 9–27–66, Cl. 180—68.5.
Matthews, Denis, to Matthews & Birkhamshaw Ltd. Production of rib welts for knitted garments. 3,243,976, 4–5–66, Cl. 66—148.
Matthews, Denis, to Matthews & Birkhamshaw Ltd. Linking chain stitch machine. 3,265,021, 8–9–66, Cl. 112—25.
Matthews, Denis, to Matthews & Birkhamshaw Ltd. Linking machines. 3,292,563, 12–20–66, Cl. 112—25.
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Matthews, Edwin E., and A. E. Pryhuber, to United States of America, Navy. Miniature hoist. 3,290,012, 12–6–66, Cl. 254—187.
Matthews, Frank E., to Matthews Research, Inc. Isolator assembly. 3,265,059, 8–9–66, Cl. 128—1.
Matthews, Frank E., to Matthews Research Inc. Process and assembly for enclosing a volume. 3,272,199, 9–13–66, Cl. 128—1.
Matthews, Frank E., and K. G. Barry. Peritoneal cannula. 3,253,594, 5–31–66, Cl. 128—348.
Matthews, Henry G., Jr., to Burroughs Corp. Remote signal sensing system. 3,246,308, 4–12–66, Cl. 340—177.
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Sampietro, Achilles C., and Matthews. 3,290,740.
Matthews, Kenneth V., R. M. Appel, and D. G. Tipotsch, to Beckman Instruments, Inc. Oscillating beam switching mirror mount for use in a spectrophotometer. 3,256,769, 6–21–66, Cl. 88—14.
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Matthews, Frank E. 3,265,059.
Matthews, Frank E. 3,272,199.
Matthews, Richard A., and H. A. Johansen, to Samuel Moore and Co. Composite tubing product and apparatus and method for manufacturing the same. 3,269,422, 8–30–66, Cl. 138—111.
Matthews, Richard G., to Swingfast, Inc. Method of securing fasteners in stick form. 3,267,660, 8–23–66, Cl. 59—77.
Matthews, Robert B., to Plessey-UK, Ltd. Apparatus for measuring the mass flow of fluids. 3,290,937, 12–13–66, Cl. 73—231.
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Matthews, Rudolph, to Atlas Pacific Engineering Co. Apricot feeder. 3,292,768, 12–20–66, Cl. 198—34.
Matthews, Russell B., to Penn Controls, Inc. Fuel control and ignition system. Re. 25,976, 3–1–66, Cl. 158—124.
Matthews, Russell B., to Penn Controls, Inc. Spark ignition system. 3,247,887, 4–26–66, Cl. 158—125.
Matthews, Russell B., to Penn Controls, Inc. Burner safety control system. 3,259,169, 7–5–66, Cl. 158—28.
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Matthews, Thomas A., and M. A. Hicks, to B. T. Crump Co., Inc. Channeled buckle. 3,252,193, 5–24–66, Cl. 24—170.
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Matthews, William J., to General Signal Corp. Train control system. 3,268,726, 8–23–66, Cl. 246—182.
Matthews, William J., to General Signal Corp. Intermittent inductive transmission system. 3,272,981, 9–13–66, Cl. 246—63.
Matthews, William R. Continuous flow wafer impregnator and digest tube. 3,294,626, 12–27–66, Cl. 162—236.
Matthey, Roger, to Parechoc S.A. Shock-absorbing bearing for small mechanisms. 3,273,949, 9–20–66, Cl. 308—158.
Matthey, Roger, to Parechoc S.A. Shock-absorbing bearing for time-pieces or small mechanisms. 3,278,245, 10–11–66, Cl. 308—158.
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Matthias, Bernd T., to Bell Telephone Laboratories, Inc. Ferromagnetic compound and devices including elements thereof. 3,234,494, 2–8–66, Cl. 336—221.
Matthias, Eugen A., to Georg Fischer Aktiengesellschaft. Parallel guiding structure for templets on machine tools. 3,252,363, 5–24–66, Cl. 82—14.
Matthias, Eugen A., to Georg Fischer Aktiengesellschaft. Method of and device for controlling machine tools, especially copying machines. 3,293,961, 12–27–66, Cl. 82—14.
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Matthias, Lynn H., and O. J. Struger, to Allen-Bradley Co. Static switch for multi-speed error detector control system. 3,240,951, 3–15–66, Cl. 307—88.5.
Matthias, Lynn H., and J.-R. Huetiger, to Allen-Bradley Co. Matrix switch. 3,256,398, 6–14–66, Cl. 179—27.54.
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Beesley, Robert L., and Matthias. 3,282,461.
Beesley, Robert L., Mighton, and Matthias. 3,264,396.
Matthies, Alan A., to Controls Co. of America. Refrigeration control for defrosting. 3,228,204, 1–11–66, Cl. 62—140.
Matthies, Alan A., to Controls Co. of America. Thermal timer having cam actuated control means. 3,230,332, 1–18–66, Cl. 200—122.

Matthies, Alan A., to Controls Co. of America. Temperature responsive bimetal actuated valve. 3,246,840, 4–19–66, Cl. 236—91.

Matthies, Alan A., to Controls Co. of America. Electrically-operated sleeve valve and air conditioning system. 3,285,-031. 11–15–66, Cl. 62—217.

Matthysse, Irving F., to Burndy Corp. Method of manufacturing a one piece fusible connector. 3,231,866, 2–1–66, Cl. 29—155.5.

Matthysse, Irving F., E. S. Raila, and W. S. Chickvary, to Burndy Corp. Connector insulating housing. 3,278,674, 10–11–66, Cl. 174—138.

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Mattimoe, Paul T., and H. E. Conner, to Libbey-Owens-Ford Glass Co. Method for making glare-reducing laminated glazing units. 3,293,343. 12–20–66, Cl. 264—291.

Mattingly, Denis A. E., to The Klinger Mfg. Co. Ltd. Winding apparatus for yarn and other filaments. 3,233,303, 2–8–66, Cl. 28—1.

Mattingly, Denis A. E., to The Klinger Mfg. Co. Ltd. Yarn crimping apparatus. 3,287,783. 11–29–66, Cl. 28—1.

Mattingly, Denis A. E., and R. S. Gilchrist, to The Klinger Mfg. Co. Ltd. Pneumatic bearings and false twisters. 3,241,304, 3–22–66, Cl. 57—34.

Mattingly, John W., to Aqua-Tec Corp. Method and apparatus for oral hygiene. 3,227,158, 1–4–66, Cl. 128—66.

Mattivi, Clifford J., to Gulf Oil Corp. Seam testing method. 3,285,056, 11–15–66, Cl. 73—37.

Mattix, Emory D., and C. W. Stokes, to Cities Service Research and Development Co. Pump in a recycle-type operation. 3,266,427, 8–16–66, Cl. 103—97.

Mattlet, Bruno F. J., to International Standard Electric Corp. Signalling system. 3,245,066, 4–5–66, Cl. 340—213.

Matto, Victor G. Electrical terminal apparatus. 3,278,805, 10–11–66, Cl. 317—99.

Matto, Victor G., and E. W. Riegel. Housing for component. 3,285,548, 11–15–66, Cl. 248—27.

Mattocks, John C. T., and F. E. J. Howard, to The Globe Pneumatic Engineering Co. Ltd. Power operated screw jacks. 3,236,489, 2–22–66, Cl. 248—354.

Mattoon, Deo R., to Corning Glass Works. Ceramic mufflers. 3,227,241, 1–4–66, Cl. 181—56.

Mattoon, Deo R., to Corning Glass Works. Ceramic muffler with resilient sealing gaskets. 3,227,242, 1–4–66, Cl. 181—61.

Mattor, John A., D. B. Henderson, and B. Millard, to S. D. Warren Co. Electrophotographic organic photoconductors. 3,290,147. 12–6–66, Cl. 96—1.

Mattos, David W., and W. H. Ebeling. Fruit pitting apparatus. 3,258,045. 6–28–66, Cl. 146—28.

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Mattox, John R. and T. W. 3,240,653.

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Mattox, William J.: *See*—
Kimberlin, Charles N., Jr., and Mattox. 3,243,366.
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Mattox, William J., to Esso Research and Engineering Co. Process for forming olefins by hydrogen transfer. 3,267,-171, 8–16–66, Cl. 260—683.3.

Mattox, William J., to Esso Research and Engineering Co. Crystalline zeolite composition and method of preparation thereof. 3,275,571. 9–27–66, Cl. 252—451.

Mattox, William J., to Esso Research and Engineering Co. Spent caustic recovery. 3,291,566, 12–13–66, Cl. 23—184.

Mattox, William J., C. N. Kimberlin, Jr., and Z. W. Wilchinsky, to Esso Research and Engineering Co. Hydrocarbon desorption process. Re. 25,980, 3–8–66, Cl. 208—310.

Mattox, William J., and W. F. Arey, Jr., to Esso Research and Engineering Co. Ammonia synthesis catalyst and process. 3,253,887, 5–31–66, Cl. 23—199.

Mattson, Charles A., to Sunbeam Corp. Lawn sprinkler. 3,231,199, 1–25–66, Cl. 239—253.

Mattson, Charles A., and W. V. Kalnins, to Sunbeam Corp. Portable electric tool with a two-part housing. 3,259,770, 7–5–66, Cl. 310—50.

Mattson, Charles A., and F. O. Ottosen, deceased, by H. Ottosen, executrix, to Sunbeam Corp. Apparatus for removing snow. 3,267,594, 8–23–66, Cl. 37—43.

Mattson, Evert C. Controlled differential adjustable-speed-reversing drive system. 3,260,133, 7–12–66, Cl. 74–675.

Mattson, John R.: *See*—
Friedlander, William S., and Mattson. 3,247,204.
Friedlander, William S., and Mattson. 3,250,776.
Friedlander, William S., and Mattson. 3,270,019.

Mattson, John R., to Minnesota Mining and Mfg. Co. Spirobarbituric acid derivatives. 3,247,205, 4–19–66, Cl. 260—257.

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Schrader, Carlton F., and Mattson. 3,228,766.

Mattson, Raymond L., H. E. Fonda, and D. E. Wente, to General Motors Corp. Gearing. 3,237,475, 3–1–66, Cl. 74—157.

Mattson, Roy H.: *See*—
Mullins, William D., Wilcox, and Mattson. 3,226,981.

Mattson, Walfred S. Analysis apparatus. 3,292,427, 12–20–66, Cl. 73—118.

Mattsson, Kjell V., and A. E. L. Olsson, to Aktiebolaget Bofors. Single use circuit breaker. 3,277,255, 10–4–66, Cl. 200—61.08.

Mattson, Mats E.: *See*—
Englund, Gosta R., and Mattsson. 3,244,367.
Englund, Gosta R., and Mattsson. 3,263,915.

Mattuck, Joan B.: *See*—
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Matty, Pete. Beverage dispensing system maintaining heated and potable conditions. 3,250,435, 5–10–66, Cl. 222—146.

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Rogers, Charles E., Matty, and Ralston. 3,273,961.

Matula, Theodore D.: *See*—
Tracy, Herbert E., and Matula. 3,285,186.

Matura, Ernest V.: *See*—
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Matuschke, Walter E. S. Production of books and the like. 3,284,077. 11–8–66, Cl. 270—5.

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Metro, Stephen J., Hoffman, and Matuszak. 3,282,971.

Matvay, Leo. Process for plasma flame formation. 3,246,-114. 4–12–66, Cl. 219—76.

Matyear, Charles, to Phillips Petroleum Co. Hydrogenation unit trim control system. 3,228,858, 1–11–66, Cl. 196—155.

Matyskella, John K., to Westinghouse Electric Corp. Arrangement of control means in refrigerator apparatus. 3,253,422, 5–31–66 Cl. 62—227

Matz, Allen S., to Teleflex Inc. Device for transmitting mechanical motion. 3,237,477, 3–1–66 Cl. 74—501.

Matz, Samuel A., to The Borden Co. Method of preventing black spotting of an unleavened dough for refrigerated storage. 3,245,799, 4–12–66, Cl. 99—90.

Matz, Samuel A., R. E. Duncan, and D. E. Mook, to The Borden Co. Unbaked bakery products for refrigerator storage coated with acetylated monoglycerides. 3,293,043, 12–20–66, Cl. 99—92.

Matzenauer Brother B. Electric toaster. 3,229,613, 1–18–66, Cl. 99—327.

Matzenauer, Brother B. Electric toaster. 3,229,614, 1–18–66, Cl. 99—327.

Matzer, Rudolph F., to West India Shipping Co., Inc. Integrated ramp doors for ship. 3,280,777, 10–25–66, Cl. 114—70.

Matzner, Edwin A., to Monsanto Co. Bleaching compositions containing acyl sulfonamides. 3,245,913, 4–12–66, Cl. 252—99.

Matzner, Edwin A., to Monsanto Co. Mercury chlorocyanurate salts, processes for preparing same, and compositions containing same. 3,249,498, 5–3–66, Cl. 167—33.

Matzner, Edwin A., to Monsanto Co. Compositions containing an oxygen releasing compound and an organic carbonate. 3,256,198, 6–14–66, Cl. 252—99.

Matzner, Edwin A., to Monsanto Co. Complex metal dichlorocyanurates. 3,287,359, 11–22–66, Cl. 260—242.

Matzner, Edwin A., to Monsanto Co. Complex metal halocyanurate bleach compositions. 3,294,690, 12–27–66, Cl. 252—99.

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Kurkjy, Raymond P., Matzner, and Cotter. 3,234,262.
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Mau, Gunter, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing aldehydes and ketones. 3,284,507, 11–8–66, Cl. 260—597.

Maubach, Duren: *See*—
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Mauchline, William J., to Associated Products, Inc. Automobile food and drink tray. 3,233,563, 2–8–66, Cl. 108—44.

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Mauchly, John W. 3,250,902.
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Mauchly, John W., to Mauchly Associates, Inc. Non-linear network computer. 3,250,902, 5–10–66, Cl. 235—185.

Maudlin, Wendell E., to Stewart-Warner Corp. Air conditioning system. 3,263,438, 8–2–66, Cl. 62—183.

Maudlin, Wendell E., to Stewart-Warner Corp. Centralized heating and air conditioning system. 3,267,995. 8–23–66, Cl. 165—29.

Mauer, Kenneth H.: *See*—
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Mauer, Paul B.: *See*—
De Paolis, Paul F., and Mauer. 3,250,721.
De Paolis, Paul F., and Mauer. 3,254,031.

Mauer, Robert C., to Lockheed Aircraft Corp. Single pulse generator for alternating signal source. 3,230,392, 1–18–66, Cl. 307—88.5.

Mauer, William V. Apparatus for controlling refrigerant pressures in refrigeration and air condition systems. 3,248,895, 5–3–66, Cl. 62—157.

Mauersberger, Heinrich, to VEB Nahwirkmaschinenbau Malimo. Apparatus for producing plush fabrics. 3,253,426, 5–31–66, Cl. 66—84.

Mauger, David W., to U.S. Partition & Packaging Corp. Control mechanism for the hopper release means and stop bar of partition strip feeder mechanism. 3,263,989, 8–2–66, Cl. 271—8.

Mauget, James J. Method and apparatus for injecting plants. 3,254,449.

Mauget, James J. Plant injection device. 3,286,401, 11–22–66, Cl. 47—57.5.

Mauget, James J. Tool for setting feeding tubes in plants. 3,290,822, 12–13–66, Cl. 47—57.5.

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Maul, Michael, to Siemens & Halske Aktiengesellschaft. Sorting machine for record or data carriers. 3,241,664, 3–22–66, Cl. 209—74.

Mauldin, John H. Spreader. 3,230,845, 1–25–66, Cl. 94—46.

Mauldin, William E., to Hi-Lo Powered Stirrups, Inc. Power driven hoisting mechanism. 3,276,745, 10–4–66, Cl. 254—150.

Maunder, Jeffrey A., to Associated Electrical Industries Ltd. Opposite rotational sense actuator mechanism for tap changer contacts. 3,246,080, 4–12–66, Cl. 200—11.

Maure, Elmer E., A. J. Stirton, and J. K. Weil, to United States of America, Agriculture. Emulsion containing long chain alkylsulfuric acids. 3,291,750, 12–13–66, Cl. 252—312.

Maurer, Albrecht, and W. Besel. V-belt pulley variable transmission. 3,234,806, 2–15–66, Cl. 74—230.17.

Maurer, Donald W. pH electrode assembly. 3,258,682, 6–28–66, Cl. 324—30.

Maurer, Edgar. Process of preparing linear polymers of α-olefines. 3,257,371, 6–21–66, Cl. 260—93.7.

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Maurer, Eugen, to Spintex Spinnerei-Maschinenbau, Stiehl, Fromm & Co. Brake for spinning and twisting spindles. 3,226,923, 1–4–66, Cl. 57—88.

Maurer, Francis J.: *See*—
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Maurer, James D., to Richard Brothers Punch Co. Pierce punch. 3,234,834, 2–15–66, Cl. 83—130.

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Maurer, James I., R. E. Palmer, and V. D. Shah, to Hooker Chemical Corp. Method of rinsing conversion coatings with chromium complex solutions from cromic acid. 3,279,-958, 10–18–66, Cl. 148—6.16.

Maurer, John A., to The Kalart Co. Inc. Recorder for optically recording a sound record area. 3,243,522, 3–29–66, Cl. 179—100.3.

Maurer, John A., to McGraw-Hill Book Co., Inc. Motion picture projector with automatic edgewise film threading. 3,259,291, 7–5–66, Cl. 226—196.

Maurer, John A., to Chicago Aerial Industries, Inc. Focal plane shutter. 3,289,561, 12–6–66, Cl. 95—57.

Maurer, Ludwig J. Apparatus for automatically die-casting workpieces of synthetic plastic material. 3,245,122, 4–12–66, Cl. 18—30.

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Maurer, Robert D., to Corning Glass Works. Neodymium glass laser having an output at about 9180 A. 3,270,290, 8–30–66, Cl. 331—94.5.

Maurer, Robert M., to Telefunken Patentverwertungs-G.m.b.H. Pump circuit for non-reciprocal amplifier. 3,237,-115, 2–22–66, Cl. 330—4.9.

Maurice, Jean, to Francaise du Ferodo, Societe Anonyme. Hydraulic clutches or like transmissions and in their control elements. 3,228,503, 1–11–66, Cl. 192—96.

Maurice, Jean, to Societe Anonyme Francaise du Ferodo. Drive transmissions. 3,253,684, 5–31–66, Cl. 192—3.2.

Maurice, Jean, and R. Le Brise, to Francaise du Ferodo, Societe Anonyme. Hydraulic transmission. 3,235,043, 2–15–66, Cl. 192—3.2.

Maurice, Jean, and R. Le Brise, to Societe Anonyme Francaise du Ferodo. Hydromechanical transmission. 3,254,544, 6–7–66, Cl. 74—782.

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Mautner, Henry R., to General Aniline & Film Corp. Process of dyeing polyolefins and other hydrophobic fibers. 3,252,-749. 5–24–66, Cl. 8—55.

Mautner, Henry R., and W. L. Fickert, to General Aniline & Film Corp. Process for dyeing of nylon fibers with premetallized and acid dyestuffs. 3,281,201, 10–25–66, Cl. 8—42.

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Heuck, Claus, Mauz, Winter, and Schulde. 3,269,980.
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Mauz, Otto, and E. Prinz, to Hercules Inc. Stabilized polyolefin containing a mixed ester of a polyfunctional alcohol with a phenol carboxylic acid and an aliphatic carboxylic acid. 3,275,597, 9–27–66, Cl. 260—45.85.

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Mavrovic, Ivo, to Chemical Construction Corp. Complete recycle urea synthesis process. 3,270,050, 8–30–66, Cl. 260—555.

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Maxeiner, Gottfried, to A. Ehrenreich & Cie. Ball and socket joint. 3,269,757, 8–30–66, Cl. 287—87.

Maxeiner, Gottfried, to A. Ehrenreich & Cie. Ball and socket joint. 3,273,924, 9–20–66, Cl. 287—90.

Maxey, Alexander R., to Ampex Corp. Fast, slow and stop motion reproduction using longitudinal recording and rotating heads. 3,294,902, 12–27–66, Cl. 178—6.6.

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Maxon, Glenway, Jr. Portable concrete mixing plants. 3,241,-821, 3–22–66, Cl. 259—171.

Maxon, Glenway, Jr., and L. J. Kunstbeck, said Kunstbeck assor, to said Maxon. Dump body for agitating and non-agitating transport. 3,281,126, 10–25–66, Cl. 259—178.

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Max-Planck-Gesellschaft: *See*—
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Blauth, Erich W., Meizner, and Meyer. 3,258,592.
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Maxson Electronics Corp.: *See*—
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Maxson, Gordon J., and E. J. Motyl, to Western Electric Co., Inc. Process for producing cadmium-bearing ferrites. 3,238,135, 3–1–66, Cl. 252—62.5.

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Maxson, Ralph C., to Vermont American Corp. Hedge trimmer. 3,293,746, 12–27–66, Cl. 30—223.

Maxted, Charles F., and F. K. Bourbenne. Chain link electric switch. 3,281,564, 10–25–66, Cl. 200—168.

Maxwell, Charles W. Apparatus for sampling the flow of a liquid from a liquid-gas mixture. 3,241,372, 3–22–66, Cl. 73—422.

Maxwell, Eustace, to 4-Minute Car Wash Co. Ltd. Vehicle cleaning appliance. 3,292,192, 12–20–66, Cl. 15—21.

Maxwell, Georges A. Sun screen. 3,238,683, 3–8–66, Cl. 52—473.

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Maxwell, Janey P., and R. M. Maxwell. Electric therapeutic glove. 3,292,628, 12–20–66, Cl. 128—402.

Maxwell, Kenneth E., to Moyer Chemical Co.. Methods and compositions using a petroleum oil fraction. 3,285,201, 11–15–66, Cl. 107—27.

Maxwell, Lloyd R. Dynamometer. 3,289,471, 12–6–66, Cl. 73—117.

Maxwell, Murray W.: *See*—
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Maxwell, Palmer M. Electrical switch having magnetic holding means. 3,243,542, 3–29–66, Cl. 200—87.

Maxwell, Palmer M. Magnetically positioned electrical switch. 3,243,543, 3–29–66, Cl. 200—87.

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Stoffey, Donald G., Maxwell, Gutman, Fancher, and Hallett. 3,294,627.

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Maxwell, Stewart A., to Fisher & Ludlow Ltd. Coin freed vending machines. 3,249,196. 5–3–66. Cl. 194—13.

Maxwell, Stewart A., to Fisher & Ludow Ltd. Multiple-stack cup magazine. 3,279,650, 10–18–66, Cl. 221—11.

Maxwell, Stuart L. Box closure. 3,265,282, 8–9–66, Cl. 229—7.

Maxwell, Stuart L. Coat hanger. 3,282,481, 11–1–66, Cl. 223—91.

Maxwell, Theodore B., and S. Sobel. Shoe lace clasp. 3,290,745, 12–13–66, Cl. 24—120.

Maxwell-Holroyd, Leslie, to B.R.D. Co. Ltd. Universal joints. 3,262,284, 7–26–66, Cl. 64—17.

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May, David. Roof structure. 3,245,187, 4–12–66, Cl. 52—478.

May, Diethelm, to Industriewerk Schaeffler. Ball and socket joint having an outer ring cracked radially. 3,243,212, 3–29–66, Cl. 287—87.

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May, Ernest M., and A. Fono, to Otto B. May, Inc. Disazo gamma-resorcylic acid dye compositions. 3,236,829, 2–22–66, Cl. 260—187.

May, Ernest M., and A. Fono, to Otto B. May, Inc. Trifluoromethyl-benzeneazosalicylic acid dyestuffs. 3,238,189, 3–1–66, Cl. 260—207.

May, Ernest M., and A. Fono, to Otto B. May, Inc. Quinoline azo dye. 3,244,693, 4–5–66, Cl. 260—155.

May, Ernest M., and A. Fono, to Otto B. May, Inc. Resorcylic acid azo dye. 3,249,599. 5–3–66, Cl. 260—196.

May, Ernest M., and A. Fono, to Otto B. May Inc. Disazo beta resorcylic acid dyestuffs. 3,251,822, 5–17–66, Cl. 260—187.

May, Ernest M., and A. Fono, to Otto B. May, Inc. Monoazo β-resorcylic acid dyes. 3,257,379, 6–21–66, Cl. 260—196.

May, George, to FMC Corp. Bead breaking apparatus for tire changing machine. 3,246,681, 4–19–66, Cl. 157—1.28.

May, George, to Mexcel Products Inc. Shock protective material. 3,285,401, 11–15–66, Cl. 206—46.

May, George A. Exponential function potentiometer. 3,284,697, 11–8–66, Cl. 323—74.

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May, Gordon H., to International Business Machines Corp. High speed card feed. 3,271,024, 9–6–66, Cl. 271—27.

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May, Harold V., to Sprague Electric Co. Blister package for electrical components. 3,288,279, 11–29–66, Cl. 206—56.

May, Harry C., to Westinghouse Air Brake Co. Vacuum brake control equipment for multiple unit locomotives. Re. 26,022, 5–10–66, Cl. 303—4.

May, Harry C., to Westinghouse Air Brake Co. Combined fluid-pressure and vacuum vehicle brake system. 3,272,563, 9–13–66, Cl. 303—4.

May, Harry C., to Westinghouse Air Brake Co. Combined dynamic and fluid pressure brake system for railway vehicles. 3,275,380, 9–27–66, Cl. 303—3.

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Wilson, Walter, and May. 3,288,757.

May, Ian A. Traction mat. 3,291,393, 12–13–66, Cl. 238—14.

May, John E., Jr., and J. H. Rowen, to Bell Telephone Laboratories, Inc. Acoustical system. 3,251,026, 5–10–66, Cl. 340—15.

May, John K., and A. J. King, to Pro-Phy-Lac-Tic Brush Co. Bottle machining fixture. 3,242,774, 3–29–66, Cl. 77—73.

May, John W., to Allis-Chalmers Mfg. Co. Unitized arc plate stack with reinforcing means. 3,236,980, 2–22–66, Cl. 200—144.

May, John W., and G. K. Benham, to Allis-Chalmers Mfg. Co. Means for mounting a barrier plate stack in an arc chute. 3,227,846, 1–4–66, Cl. 200—144.

May, Marvin I.: *See*—
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May, Marvin I., to Eldon Industries, Inc. Counter mechanism. 3,228,600, 1–11–66, Cl. 235—99.

May, Michael: *See*—
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May, Michael, to Hughes Aircraft Co. Tunnel diodes binary circuits employing series connected tunnel diodes and transformer coupling. 3,289,011, 11–29–66, Cl. 307—88.5.

May, Michael G. Process and apparatus for reducing the amount of incompletely burned products of combustion in the exhaust gases of internal combustion engines. 3,234,924, 2–15–66, Cl. 123—97.

May, Nathan C., to Shell Oil Co. Collapsing of diene latex cement foam. 3,249,566, 5–3–66, Cl. 260—23.7.

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May, Ernest M., and Fono. 3,257,379.

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May, Patrick L., and D. A. Bumpious, to International Harvester Co. Mechanical drive for bale thrower. 3,291,284, 12–13–66, Cl. 198—128.

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Mayer, Albert, to Brown Boveri & Cie Aktiengesellschaft. Heavy duty electrical switch with interruption point in air and magnetic blasting of arc. 3,248,505, 4–26–66, Cl. 200—144.

Mayer, Bromley M., and M. E. Powell, to Knudsen Creamery Co. of California. Method for producing soft plastic yogurt. 3,269,842, 8–30–66, Cl. 99—59.

Mayer, Bruce W., to The Electromark Corp. Electrolytic marking apparatus including stencil holder. 3,290,236, 12–6–66, Cl. 204—224.

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Mayer, Cecil H., to Hivac Ltd. Method of constructing cold cathode gas discharge tubes. 3,230,027, 1–18–66, Cl. 316—16.

Mayer, Charles B., to General Electric Co. Distributed amplifier with inductance-connected anode segments. 3,247,420, 4–19–66, Cl. 315—42.

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Richter, Sidney B., and Mayer. 3,227,758.
Richter, Sidney B., and Mayer. 3,227,759.
Richter, Sidney B., and Mayer. 3,227,760.

Mayer, David P., to Velsicol Chemical Corp. (Hydroxyalkylthio) alkyl 2-methoxy-3,6-dichlorobenzoates. 3,277,151, 10–4–66, Cl. 260—473.

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Mayer, Edward H., H. N. Rahn, and E. M. Oliver, to Bethlehem Steel Corp. Low carbon steel alloy for vitreous enameling. 3,282,685, 11–1–66, Cl. 75—125.

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Mayer, Ferdy, to Inventions Finance Corp. Electrohydraulic actuator. 3,273,594, 9–20–66, Cl. 137—625.66.

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Mayer, Francis X. and I., to Esso Research and Engineering Co. Reaction vessel with a grid. 3,283,413, 11–8–66, Cl. 34—57.

Mayer, Friedrich, and G. Messen-Jaschin, to G. A. Messen-Jaschin. Electrical precipitator. 3,258,897, 7–5–66, Cl. 55—137.

Mayer, Gerald C., to Howe Richardson Scale Co. Checkweighing apparatus. 3,265,140, 8–9–66, Cl. 177—46.

Mayer, Gerald C., to Howe Richardson Scale Co. Weighing apparatus. 3,291,233, 12–13–66, Cl. 177—81.

Mayer, Gerald C., and A. J. Burke, to Howe Richardson Scale Co. Multi-range weighing apparatus and method. 3,232,365, 2–1–66, Cl. 177—248.

Mayer, Gerald C., and V. J. Soojian, to Howe Richardson Scale Co. Weighing apparatus. 3,252,531, 5–24–66, Cl. 177—69.

Mayer, Gerda L. Silver cleaning pad. 3,230,571, 1–25–66, Cl. 15—506.

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Mayer, Helmut O. Portable tester for diesel fuel pumps. 3,245,254, 4–12–66, Cl. 73—119.

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Mayer, John F., to North American Aviation, Inc. Relief seal with dual sealing surfaces. 3,290,047, 12–6–66, Cl. 277—2.

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Mayer, Rudi, G. Kolb, O. Bayer, and H. Gruber, to Farbenfabriken Bayer Aktiengesellschaft. Polyurethanes from polyisocyanates and copolymers of hydroxyalkyl acrylates, alkyl acrylates, and vinyl benzenes. 3,245,941, 4–12–66, Cl. 260—31.6.

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Mayer, Waldemar F., ½ to Dresser Industries, Inc., and ½ to The Goodyear Tire & Rubber Co. Apparatus for braking an aircraft upon landing. 3,236,338, 2–22–66, Cl. 188—86.

Mayer, Walter P., to Union Carbide Corp. Barrier coated thermoplastic olefin high polymer substrates. 3,294,577, 12–27–66, Cl. 117—138.8.

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Mayes, Fred M., to Sun Oil Co. Bore hole logging apparatus of the focussed current type for providing a pulse space modulated record. 3,227,946, 1–4–66, Cl. 324—1.

Mayes, Fred M., and J. W. Jones, to Sun Oil Co. Bore hole logging apparatus including means for producing a pulse time modulated linear record. 3,227,945, 1–4–66, Cl. 324—1.

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Mayhew, Thomas R., to Radio Corp. of America. Memory sense amplifier having a high speed memory. 3,254,305, 5–31–66, Cl. 330—24.

Mayland, Bertrand J., to Girdler Corp. Removal of carbon dioxide and hydrogen sulfide from gaseous mixtures. 3,275,403, 9–27–66, Cl. 23—3.

Mayland, Bertrand J., and C. S. Brandon, to Girdler Corp. Electrolytic process for the manufacture of hydrazine. 3,251,755, 5–17–66, Cl. 204—101.

Maynard, Charles H., and H. B. Singer, to Massachusetts Institute of Technology. Bearing pre-run process. 3,251,-117, 5–17–66, Cl. 29—148.4.

Maynard, George A. to Bostitch, Inc. Fastener driving apparatus. 3,259,292, 7–5–66, Cl. 227—8.

Maynard, John T., to E. I. du Pont de Nemours and Co. Fluorinated compounds and their preparation. 3,287,425, 11–22–66, Cl. 260—653.3.

Maynard, John T., to E. I. du Pont de Nemours and Co. Curing process and composition for chlorosulfonated polyethylene. 3,288,762, 11–29–66, Cl. 260—79.3.

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Maynard, Marvin E., to Deering Milliken Research Corp. Fluid-treating apparatus. 3,233,435, 2–8–66, Cl. 68—15.

Maynard, Marvin E., to Deering Milliken Research Corp. Card clothing. 3,200,729, 12–13–66, Cl. 19—114.

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Maynard, Wheeler D., to General Signal Corp. Electromagnetic relay with simplified structure. 3,278,872, 10–11–66, Cl. 335—185.

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Maynord, Demon L., to Wonder Products Co. Rotational method of making a hollow molded multilayered article. 3,246,069, 4–12–66, Cl. 264—255.

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Mayo, Edmund S., Jr., to E. I. du Pont de Nemours and Co. Process and reagent for carbon monoxide detection. 3,245,917, 4–12–66, Cl. 252—408.

Mayo, Edmund S., Jr., to E. I. du Pont de Nemours and Co. Apparatus for detecting gas. 3,276,004, 9–27–66, Cl. 340—237.

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Mayo, George L., to Clary Corp. Power saw. 3,291,166, 12–13–66, Cl. 143—6.

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Mayrath, Martin. Weatherproof winch with ratchet and clutch features. 3,265,361, 8–9–66, Cl. 254—186.

Mayrath, Martin. Compact center drive auger conveyor. 3,294,219, 12–27–66. Cl. 198—213.

Mayrath, Martin, C. E. Pike and J. W. Kendall, to Mayrath Machinery Co., Inc. Center driven auger conveyor. 3,249,210, 5–3–66, Cl. 198—213.

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Mayrath, Martin, and W. E. Sinclair, to Mayrath Co. Method of fabricating wheels. 3,261,083, 7–19–66, Cl. 29—159.

Mays, Robert K., to J. M. Huber Corp. Pigment and process of producing same. 3,264,130, 8–2–66, Cl. 106—292.

Mays, Robert K., N. Millman, and F. R. Trowbridge, to J. M. Huber Corp. Method of adding silica pigments to newsprint pulp to improve ink strike properties of the newsprint and pigment therefor. 3,227,607, 1–4–66, Cl. 162—181.

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Mays, Rolland L., to Union Carbide Corp. Smoking tobacco preparation. 3,292,636, 12–20–66, Cl. 131—17.

Mays, Wilburt W. Repair means for inflatable members. 3,237,490, 3–1–66, Cl. 81—15.7.

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Mazepa, Robert, to The Black and Decker Mfg. Co. High-efficiency fan assembly for vacuum cleaner. 3,263,909, 8–2–66, Cl. 230—117.

Mazery, Yves B. G. Load adjusting and articulating vehicle hitching device. 3,269,748, 8–30–66, Cl. 280—405.

Mazieres, Charles, to Centre National de la Recherche Scientifique (French Government Administration). Differential thermal micro-analysis apparatus. 3,285,053, 11–15–66, Cl. 73—15.

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Mazur, Paul A., and C. Michel. Monomolecular film formers for water surfaces. 3,241,908, 3–22–66, Cl. 21—60.5.

Mazur, Robert G., to Westinghouse Electric Corp. Lapping and polishing apparatus. 3,277,610, 10–11–66, Cl. 51—119.

Mazur, Robert H., and J. M. Schlatter, to G. D. Searle & Co. Octapeptide derivatives and intermediates thereto. 3,280,-099, 10–18–66, Cl. 260—112.5.

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Mazuranic-Jankovic, Mladen. Remote control apparatus for controlling a working cycle of hydraulic pistons. 3,247,401, 4–19–66, Cl. 307—113.

Mazure, Alexander, A. C. Ruocchio, L. L. Stickler, L. A. Tate, and W. D. Van Gieson, Jr., to International Business Machines Corp. System for controlling the sampling of serially received signal elements. 3,293,555, 12–20–66, Cl. 328—155.

Mazurk, Louis R., to The Tapecoat Co., Inc. Extruded pitch based material and process for producing the same. 3,230,192, 1–18–66, Cl. 260—28.5.

Mazurkevics, Anatolijs, to Allen Electric and Equipment Co. Dynamic compression circuit. 3,286,518, 11–22–66, Cl. 73—116.

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Mazursky, Milton M. Combination examining table and scale. 3,239,018, 3–8–66, Cl. 177—144.

Mazza, Joseph S., to Pittsburgh Plate Glass Co. Nuclear radiation shielding window. 3,283,156, 11–1–66, Cl. 250—108.

Mazza, Robert V., to International Business Machines Corporation. Apparatus and method for electric recording. 3,284,196, 11–8–66, Cl. 96—1.1.

Mazza, Vittorio R., to E.R.A. Patents Ltd. Transformers with evaporative cooling system. 3,243,495, 3–29–66, Cl. 174—15.

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Natta, Giulio, Mazzanti, and Boschi. 3,256,235.
Natta, Giulio, Mazzanti, and Boschi. 3,280,082.
Natta, Giulio, Mazzanti, and Dall'Asta. 3,231,552.
Natta, Giulio, Mazzanti, and Dall'Asta. 3,252,956.
Natta, Giulio, Mazzanti, and Longi. 3,252,937.
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Natta, Giulio, Mazzanti, Valvassori, Sartori, and Camell. 3,260,708.
Natta, Giulio, Mazzanti, Valvassori, and Sartori. 3,281,-398.
Natta, Giulio, Pino, and Mazzanti. 3,261,820.

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Mazzella, Louis. Paint roller device having a pivotally adjustable handle. 3,273,192, 9–20–66, Cl. 15—230.11.

Mazzeo, Charles F., to The Wilcotator Co. Fluid pressure actuated switches. 3,248,539, 3–29–66, Cl. 200—83.

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Niesen, George P., and Mazzio. 3,283,705.

Mazzolini, Corrado, and C. Gabutti, to Monsanto Co. Spin dyeing of polyacrylonitrile fibers with .1–30 parts per million of polymethine and triarylmethane dyes. 3,254,046, 5–31–66, Cl. 260—32.6.

Mazzolla, Dan D. Feeding and smoothing attachment for flatwork ironer. 3,287,838, 11–29–66, Cl. 38—143.

Mazzoni, Carlo. Machines for stamping tablets of substances having a pasty consistency. 3,271,834, 9–13–66, Cl. 25—7.

Mazzotti, Ezio: *See*—
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Mazzuchelli, Charles A., and J. Samonides, to E. J. Lavino and Co. Electrolytic manufacture of manganates and/or permanganates. 3,293,160, 12–20–66, Cl. 204—82.

McAdam, John C., and J. E. Spurling, to International Electronic Research Corp. Cooler package for electronic components. 3,277,346, 10–4–66, Cl. 317—100.

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McAdam, Will, and R. E. Tarpley, to Leeds and Northrup Co. Null-type multirange measuring system which maintains constant sensitivity throughout the several ranges. 3,267,374, 8–16–66, Cl. 324—99.

McAdams, James H., to United States of America, Army. Radio frequency shielding and sealing material. 3,230,294, 1–18–66, Cl. 174—35.

McAdams, William Douglas, Inc.: *See*—
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McAfee, Kyle E., Jr., to The New York Air Brake Co. Pilot operated unloading valve having relatively adjustable loading and unloading limits. 3,278,581, 9–20–66, Cl. 137—108.

McAfee, William R. Fishing tackle. 3,270,458, 9–6–66, Cl. 43—42.74.

McAfoos, Lawrence R., Jr., F. H. Fry, and S. H. Eickley, Jr., to Whitaker Metal Products Co. Safety dumping bucket. 3,230,003, 1–18–66. Cl. 294—73.

McAleer, George P., and T. A. Schmidt. Material slitting and expanding machine. 3,276,096, 10–4–66, Cl. 29—6.1.

McAleer, William J.: *See*—
Barkemeyer, Henry R., McAleer, and Pollak. 3,231,337.

McAleer, William J., and P. I. Pollak, to Merck & Co., Inc. Method of determining the concentration of active impurities present in a gaseous decomposable semi conductor compound. 3,233,174, 2–1–66, Cl. 324—65.

McAlexander, Robert L., and A. T. Robinson, to United States of America, Navy. Transpiration cooling system actuating a liquefied metal by pressurized gas. 3,281,079, 10–25–66, Cl. 239—127.3.

McAlister, Edgar O., R. L. Myers, and R. L. Broxholme, to The Anaconda Co. Pulse transmission method and apparatus for geophysical prospecting utilizing means for generating unipolar pulses between groups of peridic pulses. 3,254,-297, 5–31–66, Cl. 324—1.

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Loeffler, John E., Jr., McAlister, and Prokish. 3,285,708.

McAlister, Marion F.: *See*—
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McAlister, Roy. Sheet material scriber. 3,286,351, 11–22–66, Cl. 33—42.

McAllister & Associates, Inc.: *See*—
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McAllister, Harry E. Telephone equipment. 3,239,612, 3–8–66, Cl. 179—175.2.

McAllister, William A., to Westinghouse Electric Corp. Calcium and magnesium silicate phosphors with activator comprising terbium. 3,260,675, 7–12–66, Cl. 252—301.4.

McAllister, William E., and J. Martella, Jr., to Philco Corp. Wash-conditioner dispensing means for clothes washing machines. 3,290,908, 12–13–66, Cl. 68—17.

McAlpin, James K.: *See*—
Humbyrd, Earl J. 3,268,209.

McAlpin, Silvan E., to Socony Mobil Oil Co., Inc. Dynamically obtaining normal moveout correction. 3,275,979, 9–27–66, Cl. 340—15.5.

McAlpine, Charles H., and K. G. McGowan, to Winkel Machine Co., Inc. Envelope sealing machine. 3,251,723, 5–17–66, Cl. 156—292.

McAlpine, Charles H., and K. G. McGowan, to Winkel Machine Co., Inc. Precise pouring apparatus. 3,261,060, 7–19–66, Cl. 22—79.

McAlpine, Ernest, to Burgess Products Co. Ltd. Electrical contact elements. 3,283,106, 11–1–66, Cl. 200—166.

McAlpine, Sir Robert, & Sons Ltd.: *See*—
Harris, Alan J. 3,287,358.

McAlvay, John C., to Webster Electric Co. Variable output pump. 3,266,434, 8–16–66, Cl. 103—162.

McAlvay, John C., to Webster Electric Co. Thermoelectric apparatus. 3,287,176, 11–22–66, Cl. 136—204.

McAnallen, Leroy A. Food trays for automobiles. 3,268,138, 8–23–66, Cl. 224—42.42.

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Polly, George W., McAndrew, and Heins. 3,227,690.

McAndrew, Joseph B.: *See*—
Rausch, John J., and McAndrew. 3,230,080.
Rausch, John J., and McAndrew. 3,243,289.

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McAninch, Homer C., and R. F. Lippoldt, to Continental Oil Co. Strippable coatings comprising ethylene-vinyl acetate copolymer, asphalt and release agent. 3,268,463, 8–23–66, Cl. 260—23.

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McArthur, Gerald W., to General Motors Corp. Fuel pump filter combination. 3,254,769, 6–7–66, Cl. 210—194.

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McAteer, Joseph E., to Hughes Aircraft Co. Associative memory. 3,278,905, 10–11–66, Cl. 340—172.5.

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McAuley, James H., and T. G. Rauch, to McAuley Mfg., Inc. Flexible chain with a shelf portion. 3,262,547, 7–26–66, Cl. 198—173.

McAuley, James H., and T. G. Rauch, to McAuley Mfg., Inc. Flexible chain with bearing surfaces. 3,262,548, 7–26–66, Cl. 198—173.

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McAuley, James H., and Rauch. 3,262,547.
McAuley, James H., and Rauch. 3,262,548.

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McBrayer, Robert L., to Wyandotte Chemicals Corp. Metal reduction process. 3,282,581, 11–1–66, Cl. 266—24.

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Schiro, Albert J., and McBrian. 3,254,235.

McBride, Frederick W., Jr.: *See*—
McRay, Ferris L., and McBride. 3,292,751.

McBride, Charles L., Jr. Planter. 3,246,806, 4–19–66, Cl. 222—203.

McBride, Clarence E., to Eastman Kodak Co. Light-developable direct-print silver halide emulsions. 3,271,157, 9–6–66, Cl. 96—107.

McBride, Clarence E., to Eastman Kodak Co. Light-developable silver halide emulsions. 3,287,136, 11–22–66, Cl. 96—106.

McBride, Clarence E., to Eastman Kodak Co. Light-developable silver halide emulsions. 3,287,137, 11–22–66, Cl. 96—107.

McBride, Isaac F. Sheet metal wainscotting for bath tub enclosures or the like. 3,277,617, 10–11–66, Cl. 52—35.

McBride, James M. Multiple cartridge gas club. 3,241,259, 3–22–66. Cl. 42—1.

McBride, John, to Philco Corp. Semiconductor encapsulating and reinforcing materials utilizing boron nitride. 3,284,-678, 11–8–66, Cl. 317—235.

McBride, Joseph R.: *See*—
Stephens, Frederick N., and McBride. 3,263,100.
Stephens, Frederick N., and McBride. 3,268,814.

McBride, Lawrence: *See*—
Tomlinson, Barnard E. 3,232,298.
McBride, Lee F.: *See*—
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McBride, Oscar S., ½ to D. E. Burrows. Collapsible hunter's seat. 3,232,664, 2–1–66, Cl. 297—184.
McBride, Richard T., to E. I. du Pont de Nemours and Co. Surface treatment of shaped organic polymeric structures. 3,275,540, 9–27–66, Cl. 204—165.
McBride, Richard T., to E. I. du Pont de Nemours and Co. Surface treatment of shaped organic polymeric structures. 3,291,712, 12–13–66, Cl. 204—165.
McBride, Richard T., and J. H. Rogers, Jr., to E. I. du Pont de Nemours and Co. Adherability treatment of thermoplastic film. 3,284,331, 11–8–66, Cl. 204—165.
McBride, Robert E., to Texaco Inc. Steam-water spray nozzle. 3,245,622, 4–12–66, Cl. 239—425.
McBrien, Edward F., to The Ohio Crankshaft Co. Apparatus and method for heating reduced portions of adjacent workpieces. 3,251,976, 5–17–66, Cl. 219—10.69.
McBrien, Roger W. Laboratory clamp structure. 3,254,386, 6–7–66, Cl. 24—278.
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McBurney, William C., to Shenango Ceramics, Inc. Multiple-compartment china carton. 3,227,267, 1–4–66, Cl. 206—45.11.
McCabe, Francis J., to Air Balance Inc. Fire damper. 3,273,632, 9–20–66, Cl. 160—1.
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McCabe, Leo J., to Continental Oil Co. Use of hindered esters of carboxylic acids as radiation resistant lubricants. 3,271,315, 9–6–66, Cl. 252—56.
McCabe, Leo J., and R. F. Bridger, to Mobil Oil Corp. Lubricants and fuels containing boroxarophenanthrene compounds. 3,287,270, 11–22–66, Cl. 252—49.6.
McCabe, Matthew J.: *See*—
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McCabe, Owen J., and A. R. Perrins, to The Superior Electric Co. Alternative A.C. or D.C. supply for an A.C. motor. 3,262,037, 7–19–66, Cl. 318—231.
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Balogh, Roy O. 3,292,715.
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McCain, George H.: *See*—
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McCain, George H., and D. E. Hudgin, to Diamond Alkali Co. Process for polymerizing chloral. 3,254,052, 5–31–66, Cl. 260—67.
McCain, George H., D. E. Hudgin, and I. Rosen, to Diamond Alkali Co. Chemical process for copolymerizing chloral and dichloroacetaldehyde. 3,282,899, 11–1–66, Cl. 260—67.
McCain, Jack L. Vehicle removal means. 3,292,905, 12–20–66, Cl. 254—166.
McCain, William B., and R. I. Bulka, to Chicago Machinery Laboratory, Inc. Trimming machine. 3,275,118, 9–27–66, Cl. 198—19.
McCain, William B., and J. F. Cosgrove, to Chicago Machinery Laboratory, Inc. Signature machine. 3,275,210, 9–27–66, 9–27–66, Cl. 227—82.
McCaldin, James O., to Hughes Aircraft Co. Compound semiconductor devices. 3,266,952, 8–16–66, Cl. 148—33.
McCaldin, James O., to North American Aviation, Inc. Method of treating semiconductor bodies by ion bombardment. 3,293,084, 12–20–66, Cl. 148—1.5.
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McCall, Clarence I., to Lewis Engineering Co. Thermocouple probe construction. 3,284,247, 11–8–66, Cl. 136—233.
McCall Corp.: *See*—
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Smith, Edwin K., Jr., Foster, Brundage, and Tremaine. 3,292,340.
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Evans, Sheila A., nee Hughes, and McCall. 3,284,401.
McCall, Ernest B., and R. J. Roberts, to Monsanto Chemicals Ltd. Process for the arylation of aromatic compounds. 3,231,629, 1–25–66, Cl. 260—670.
McCall, Ernest B., and W. Cummings, to Monsanto Chemicals Ltd. Production of halogen derivatives. 3,256,343, 6–14–66, Cl. 260—612.
McCall, Ernest B., and W. Cummings, to Monsanto Chemicals Ltd. Preparation of halogenated aromatic compounds. 3,256,350, 6–14–66, Cl. 260—650.
McCall, Ernest B., and B. B. Milward, to Monsanto Chemicals Ltd. Arylation of silicon-containing aromatic compounds. 3,294,831, 12–27–66, Cl. 260—448.2.
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McCall, Marvin A., and N. H. Shearer, Jr., to Eastman Kodak Co. Oxidation of crystalline poly-α-olefins. 3,232,917, 2–1–66, Cl. 260—93.7.
McCall, Marvin A., and H. W. Coover, Jr., to Eastman Kodak Co. Cyclooligomerization of 1,3-diones. 3,290,401, 12–6–66, Cl. 260—666.
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Epperly, William R., McCall, and Asher. 3,233,003.
McCall, Patrick P., to Esso Research and Engineering Co. Hydrofining of microcrystalline wax. 3,275,545, 9–27–66, Cl. 208—27.
McCall, Patrick P., to Esso Research and Engineering Co. Color improvement of petroleum lubricating oils. 3,293,173, 12–20–66, Cl. 208—264.
McCall, Patrick P., and D. L. Baeder, to Esso Research and Engineering Co. Modified regeneration process. 3,240,837, 3–15–66, Cl. 260—676.
McCall, Richard C., to Controls for Radiation, Inc. Thermoluminescent dosimeter element readout apparatus. 3,288,997, 11–29–66, Cl. 250—71.5.
McCall, Richard C., and A. C. Jasins, to Controls for Radiation, Inc. Large area scintillation detector having a plurality of light transmitting sheets. 3,293,432, 12–20–66, Cl. 250—71.5.
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McCallum, Robert A., to National Union Electric Corp. Oil burner pump. 3,285,180, 11–15–66, Cl. 103—7.
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McCally, Richard K., and L. L. Young, to Dresser Industries, Inc. Pressure responsive device. 3,269,188, 8–30–66, Cl. 73—418.
McCammon, George A., to Esso Research and Engineering Co. Ship mooring device. 3,245,438, 4–12–66. Cl. 141—387.
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McCandless, William: *See*—
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McCann, Joseph A., to United States of America, Atomic Energy Commission. Vibration detection device. 3,292,426, 12–20–66, Cl. 73—71.4.
McCann, Walter L., to Giddings & Lewis Machine Tool Co. Rotary selector switch for selecting feed rates and spindle speeds of machine tools. 3,230,321, 1–18–66, Cl. 200—11.
McCann, Walter L., G. H. Jones, W. G. Muller, and J. T. Reader, deceased, by M. J. Reader, executrix, to Giddings & Lewis Machine Tool Co. Planetary transmission. 3,290,962, 12–13–66, Cl. 74—760.
McCardell, Willard B., to Michigan Tool Co. Method and apparatus for setting up tools for forming teeth on workpieces. 3,267,582, 8–23–66, Cl. 33—185.
McCardell, Willard B., to Michigan Tool Co. Gear tooth checking system. 3,276,135, 10–4–66, Cl. 33—179.5.
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McCarthy, Eugene L., R. E. McMinn, and M. S. Worley, to Black Sivalls & Bryson, Inc. Method and apparatus for processing a natural gas stream. 3,245,205, 4–12–66. Cl. 55—62.
McCarthy, Francis L.: *See*—
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McCarthy, Gregory S.: *See*—
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McCarthy, Jack A., to United States Steel Corp. Method of electroplating bismuth on steel and electrolyte therefor. 3,256,160, 6–14–66, Cl. 204—45.
McCarthy, James E., to General Precision Inc. Simplified roll stabilization for directional gyro. 3,240,860, 3–15–66, Cl. 74—5.6.
McCarthy, John A., to United States Steel Corp. Method of forming a brown coating on steel articles. 3,275,536, 9–27–66, Cl. 204—56.
McCarthy, John F., Jr.: *See*—
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McCarthy, John J., to Norco Inc. Releasable two-part fastener. 3,253,310, 5–31–66, Cl. 24—230.
McCarthy, John J. Washing device. 3,254,514, 6–7–66, Cl. 68—213.
McCarthy, John J., to Norco Inc. Mechanical coupling. 3,280,439, 10–25–66, Cl. 24—211.
McCarthy, John J. Means for treating surface wounds. 3,288,140, 11–29–66, Cl. 128—248.
McCarthy, Joseph H., to The General Fireproofing Co. Combination drawer pull and latch assembly. 3,239,298, 3–8–66, Cl. 312—234.3.
McCarthy, Joseph H., Jr., to Rheem Mfg. Co. Multi-tank water heater. 3,265,041, 8–0–66, Cl. 122—17.
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McCarthy, William C., and G. L. Glahn, to Phillips Petroleum Co. Method for resolving emulsions. 3,254,135, 5–31–66, Cl. 260—677.
McCarthy, William C., and G. H. Dale, to Phillips Petroleum Co. Multi-stage crystallization process and apparatus. 3,261,170, 7–19–66, Cl. 62—58.
McCarthy, William C., and G. H. Dale, to Phillips Petroleum Co. Recovery of a diolefin with liquid methane. 3,264,363, 8–2–66, Cl. 260—681.5.
McCartney, Duane N., to American Sugar Co. Transfer trailer. 3,279,631, 10–18–66, Cl. 214—84.
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McCartney, James S., and R. V. De Leo, to Aero Spray, Inc. Spray nozzle. 3,292,868, 12–20–66, Cl. 239—422.
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McCartney, William B., and E. O. Uhrig, to United States of America, Navy. Electrical recycling circuit for controlling and protecting functional equipment. 3,229,164, 1–11–66, Cl. 317—22.
McCartney, William B., and E. O. Uhrig, to United States of America, Navy. Electrical recycling circuit for controlling and protecting functional equipment. 3,280,374, 10–18–66, Cl. 317—33.
McCartney, William B., Jr., and E. O. Uhrig, to United States of America, Navy. Electrical recycling circuit for controlling and protecting functional equipment. 3,261,980, 7–19–66, Cl. 307—86.
McCartney, William E., T. D. Donahue, and R. F. Waddell, to Standard Locknut & Lockwasher, Inc. Locknut. 3,238,987, 3–8–66, Cl. 151—21.
McCarty, Albert M., to United States of America, Navy. Electric firing circuit for explosive charges. 3,262,388, 7–26–66, Cl. 102—18.
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McCarty, George W., and H. J. Foell, Jr., to The Black and Decker Mfg. Co. Shoe plate alining means for portable power-driven saw. 3,242,953, 3–29–66, Cl. 143—43.
McCarty, George W., and H. J. Foell, Jr., to The Black and Decker Mfg. Co. Depth and bevel adjustment means for portable power-driven saw. 3,262,472, 7–26–66, Cl. 143—43.
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McCarty, James P., and B. W. Taraba, to Duval Sulphur & Potash Co. Flotation froth level control. 3,255,882, 6–14–66, Cl. 209—1.
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McCarty, Lourdes V., L. Queever, and C. Hotchkiss, to Controls Co. of America. Fuel control and ignition system. 3,269,447, 8–30–66, Cl. 158—28.
McCarty, Thad B. Cervical pillow. 3,243,828, 4–5–66, Cl. 5—338.
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McCaughey, William S., to AMP Inc. Connector for a flexible flat cable. 3,275,968, 9–27–66, Cl. 339—89.
McCaulay, David A., to Standard Oil Co. Hydrofluoric acid alkylation with intermittent olefin feed. 3,280,211, 10–18–66, Cl. 260—683.48.
McCauley, Donald R., to General Signal Corp. Strained movement detection system. 3,277,293, 10–4–66, Cl. 246—169.
McCauley, Donald R., and L. G. Mannell, to General Signal Corp. Strained movement detection and resetting system. 3,248,538, 4–26–66, Cl. 246—169.
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McCaustland, Daniel J., to Gulf Oil Corp. Control of plant pathogenic fungi with alkyl esters of 4-halo-acetoacetic acid. 3,285,808, 11–15–66, Cl. 167—22.
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McCay, Frank V., Jr., to The Elmco Corp. Hydraulic control system. 3,253,614, 5–31–66, Cl. 137—596.
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McClain, Robert D., to Westinghouse Electric Corp. Power capacitor device having improved temperature operating characteristics. 3,254,281, 5–31–66, Cl. 317—243.
McClain, Walter J., and G. S. Jenkins, to E. Donnelly, C. B. Allen, J. J. Jenkins, Jr., and G. S. Jenkins, a partnership d.b.a. J. E. Greiner Co. Method and apparatus for assembling and erecting a rocket or missile. 3,284,888, 11–15–66, Cl. 29—407.
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McClanahan, Bernard E., and J. A. Russell, to Ace Tank and Heater Co. Unitary heating system. 3,254,839, 6–7–66, Cl. 237—8.
McClarney, Harry W. Apparatus to construct masonries. 3,238,589, 3–8–66, Cl. 25—1.
McClarney, Harry W. Apparatus to construct masonries. 3,287,782, 11–29–66, Cl. 25—1.
McClarney, Harry W., B. Stenis, C. J. Leftwich, and H. C. Harris. Method and apparatus for laying masonry units. 3,236,924, 2–22–66. Cl. 264—35.

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McClellan, Clarence S., to United Electronics Inc. Single impulse latching relay. 3,260,823, 7–12–66, Cl. 200—98.
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McClellan, Glynn S.: *See*—
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McGrew, James C., and Hoffman. 3,234,617.
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McClellan, Herbert L., to The National Machinery Co. Apparatus for forming hollow articles. 3,267,500, 8–23–66, Cl. 10—76.
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McClemens, Samuel W., to Bethlehem Steel Corp. Wire polisher. 3,273,190, 9–20–66, Cl. 15—104.4.
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McClenahan, William F. Circular modular building. 3,255,560, 6–14–66, Cl. 52—237.
McClenathan, John A., to Beloit Corp. Intermediate shaft pneumatic seal. 3,285,614, 11–15–66, Cl. 277—62.
McClendon, Jack C., and C. R. Dick, to The Dow Chemical Co. Cross-linked reaction product of aziridinyl polyester resins with cyclic anhydrides. 3,262,991, 7–26–66, Cl. 260—873.
McCleneghan, Hugh F., to Kimberly-Clark Corp. Duplex mailing envelope. 3,266,712, 8–16–66, Cl. 229—72.
McClintock, Robert M., to Aerpat Aktien Gesellschaft. Flush mounting latch. 3,250,558, 5–10–66, Cl. 292—229.
McClintock, Ross A., R. E. Thompson, and K. E. Waggener. Subsea blowout prevention and landing apparatus. 3,259,191, 7–5–66, Cl. 166—85.
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McCloskey, Allen L., G. G. Collins, and W. D. English, to United States Borax & Chemical Corp. Curing epoxy resins with aminoborane curing agents. 3,255,153, 6–7–66, Cl. 260—47.
McCloskey, Fenimore G., to Columbus Electric Mfg. Co. Subminiature snap-acting switch. 3,234,343, 2–8–66, Cl. 200—67.
McCloud, George R., to McGraw-Edison Co. Arcing horn and hinge mechanisms for disconnect switches. 3,248,510, 4–26–66, Cl. 200—162.
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McCluer, John D., and R. C. Roy, to H. K. Porter Co., Inc. Flexible sound attenuating material. 3,253,947, 5–31–66, Cl. 117—126.
McClughan, Thomas R., to Plastic Applicators, Inc. Loading and ejecting mechanism. 3,250,404, 5–10–66, Cl. 214—1.
McClune, James W., and W. F. Green, to Special Devices, Inc. Cavity radiator with a pyrotechnic charge that remains intact during and after combustion. 3,275,829, 9–27–66, Cl. 250—85.
McClung, Robert A.: *See*—
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McClure, Arthur W., G. W. Webster, C. D. Ware, and I. R. Friedman, to The Trane Co. Refrigeration machine. 3,260,067, 7–12–66, Cl. 62—505.
McClure, Carroll D., to Socony Mobil Oil Co., Inc. Seismic model. 3,246,290, 4–12–66, Cl. 340—15.5.
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McClure, Glenn T., to Westinghouse Air Brake Co. Continual quick service valve device for fluid pressure brake apparatus. 3,240,540, 3–15–66, Cl. 303—83.
McClure, James D., to Shell Oil Co. The use of a tertiary alkanol solvent in the tertiary phosphine catalyzed dimerization of alkyl acrylates. 3,227,745, 1–4–66, Cl. 260—485.
McClure, James D., to Shell Oil Co. Carbonylation of alpha-haloepoxides. 3,259,649, 7–5–66, Cl. 260—484.
McClure, James D., to Shell Oil Co. Epoxide production. 3,290,336, 12–6–66, Cl. 260—348.6.
McClure, James D., and R. F. Fischer, to Shell Oil Co. Hydracrylate ester production. 3,260,738, 7–12–66, Cl. 260—484.
McClure, James M. Liquid and liquid additive dispensing means. 3,232,490, 2–1–66, Cl. 222—136.
McClure, Malcolm C., R. E. McClellan, G. M. Stewart, and K. G. Bullock, to TV Bank Equipment Corp. Service facilities and equipment. 3,294,342, 12–27–66, Cl. 248—2.
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McCollough, John K., Jr., to Deering-Milliken Research Corp. Automatic bobbin gate system. 3,268,056, 8–23–66, Cl. 198—26.
McCollum, Burton, deceased; P. R. Rowe, and Bank of the Southwest National Association, executors. Seismic wave radiator. 3,242,459, 3–22–66, Cl. 340—17.
McCollum, Burton, deceased (P. R. Rowe and Bank of the Southwest National Association, executors). Short wave seismic pulse radiator. 3,260,327, 7–12–66, Cl. 181—.5.
McCollum, Burton (deceased, by Bank of The Southwest National Assn., executors), and P. R. Rowe. Means and method of distinguishing seismic signals. 3,274,543, 9–20–66, Cl. 340—15.5.
McCollum, Burton (deceased, by Bank of The Southwest National Assn., executors), and P. R. Rowe. Method of distinguishing seismic signals. 3,274,544, 9–20–66, Cl. 340—15.5.
McCombie, Alan K., to The Molins Organisation Ltd. Apparatus for conveying a mass of cigarettes from one level to a higher level. 3,280,961, 10–25–66, Cl. 198—76.
McCombie, Alan K., and F. Heybourn, to The Molins Organisation Ltd. Devices for supporting conveyor bands. 3,261,450, 7–19–66, Cl. 198—139.
McCombie, Frederick W., to Megator Pumps and Compressors Ltd. Rotary pumps, compressor or motors. 3,276,391, 10–4–66, Cl. 103—202.
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Rogers, Francis R., McCombs, and Snider. 3,283,500.
Rogers, Francis R., McCombs, and Snider. 3,289,411.
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McCombs, Howard L., Jr., to The Bendix Corp. Servo control apparatus. 3,232,179, 2–1–66, Cl. 91—385.
McCombs, Howard L., Jr., to The Bendix Corp. Fuel control for combustion engines. 3,246,662, 4–19–66, Cl. 158—36.4.
McCombs, Howard L. Jr., to The Bendix Corp. Gas turbine engine control. 3,267,670, 8–23–66, Cl. 60—39.28.
McConnaughay, Kenneth E. Emulsifier. 3,284,056, 11–8–66, Cl. 259—10.
McConnell, Albert L., and G. E. Wade, to Scott Paper Co. Plastic container and lid. 3,262,502, 7–26–66, Cl. 220—60.
McConnell, Albert L., and M. L. Corazza, to Scott Paper Co. Retail table napkin package. 3,294,229, 12–27–66, Cl. 206—57.
McConnell, James C. Well packers. 3,236,531, 2–22–66, Cl. 277—116.4.
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McConnell, John R. Structural steel fabricating apparatus. 3,257,540, 6–21–66, Cl. 219—80.
McConnell, Kennedy, to Interlake Steel Corp. Control rib for different thickness material of uprights. 3,266,635, 8–16–66, Cl. 211—148.
McConnell, Lorne D., to I-T-E Circuit Breaker Co. Arc splitter plate design for oil circuit-breaker. 3,267,242, 8–16–66, Cl. 200—150.
McConnell, Paul H. Container and closure cap therefor. 3,231,155, 1–25–66, Cl. 222—482.
McConnell, Richard L.: *See*—
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McConnell, Richard L., and H. W. Coover, Jr., to Eastman Kodak Co. Diallyl ethers. 3,236,900, 2–22–66, Cl. 260—611.
McConnell, Richard L., and H. W. Coover, Jr., to Eastman Kodak Co. Polymers from phosphonites and diols. 3,285,863, 11–15–66, Cl. 260—2.
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McConnell, William: *See*—
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McConnell, William D.: *See*—
Gunter, David S., and McConnell. 3,237,273.
McConnell, William M., to Taylor-Wilson Mfg. Co. Apparatus for supporting and positioning a workpiece. 3,241,847, 3–22–66, Cl. 279—4.
McConnell, William M., to Taylor-Wilson Mfg. Co. Apparatus for handling elongated articles. 3,282,444, 11–1–66, Cl. 214—1.
McConnell, William M., and J. B. Kirschner, to Taylor-Wilson Mfg. Co. Apparatus for handling elongated articles. 3,279,625, 10–18–66, Cl. 214—1.
McConnell, William R.: *See*—
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McConnell, William R., and P. R. Schuls, to International Business Machines Corp. Printed circuit card connector. 3,253,246, 5–24–66, Cl. 339—17.
McCoppin, George T., to Owens-Corning Fiberglass Corp. Apparatus for forming and collecting mineral fibers. 3,265,477, 8–9–66, Cl. 65—1.
McCord, Andrew T., to The Carborundum Co. Oil-dispersible metal oxide-fatty acid complexes and their manufacture. 3,231,592, 1–25–66, Cl. 260—414.
McCord, Andrew T., to United States of America, Atomic Energy Commission. Process for chlorinating oxides. 3,293,005, 12–20–66, Cl. 23—351.
McCord, Georgie P., to United States Rubber Co. Method of providing a fluid tight seal between two rigid components. 3,287,485, 11–22–66, Cl. 264—263.
McCord, Jesse L. Remotely controlled rear view mirror. 3,238,800, 3–8–66, Cl. 74—98.
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McCord, Wilfred M., Jr., and W. J. Williford, to Vermont American Corp. Telescoping pole. 3,284,114, 11–8–66, Cl. 287—58.
McCordic, James R., and A. Then, to Chrysler Corp. Control linkage arrangement. 3,241,640, 3–22–66, Cl. 192—4.
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McCormack, Paul H., to National Starch and Chemical Corp Thermoelectric generator and method of preparing same. 3,261,720, 7–19–66, Cl. 136—205.
McCormack, William B., to E. I. du Pont de Nemours and Co. Fluid separation. 3,246,764, 4–19–66, Cl. 210—321.
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Hook, Charles E., and McCormic. 3,251,531.
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McCormick, Barstow, Sheppard, Coyle & Best, The Firm of: *See*—
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McCormick, George C., to Thiokol Chemical Corp. Coated polyolefin articles and process of making same. 3,293,111, 12–20–66, Cl. 161—184.
McCormick, Hamilton L., deceased; by S. M. McCormick, executrix, to General Motors Corp. Cooled gas turbine vanes. 3,287,906, 11–29–66, Cl. 60—39.51.
McCormick, Harold E., to Ramsey Corp. Spring finger retaining rings. 3,233,497, 2–8–66, Cl. 85—8.8.
McCormick, James B., to Ames Lab-Tek, Inc. Device for separating petri dishes. 3,228,857, 1–11–66, Cl. 195—139.
McCormick, James B., to Ames Lab-Tek, Inc. Sterilization means for a refrigerated chamber containing a microtome. 3,233,965, 2–8–66, Cl. 21—85.
McCormick, James B., to Ames Lab-Tek, Inc. Prothrombin reaction chamber. 3,233,975, 2–8–66, Cl. 23—259.
McCormick, James B., to Ames Lab-Tek, Inc. Method of collecting and condensing a medical specimen. 3,235,175, 2–15–66, Cl. 233—26.
McCormick, James B. Handle and candle holder for jack-o'-lantern. 3,244,872, 4–5–66, Cl. 240—16.
McCormick, James B., and L. C. Johnson, to Miles Laboratories, Inc. Microtome anti-roll device. 3,293,966, 12–27–66, Cl. 83—109.
McCormick, Maurice D. Code bar controlled typing machine with movable type basket frame. 3,228,508, 1–11–65, Cl. 197—17.
McCormick, Maurice D. Spacing mechanism for power operated typewriters. 3,260,343, 7–12–66, Cl. 197—82.
McCormick, Maurice D., to Microdyne, Inc. Plunger operated magnetic reed switch. 3,271,708, 9–6–66, Cl. 200—87.
McCormick, Robert J., R. J. Turnen, and W. J. Rathbun, to The Dow Chemical Co. Traction element for formed containers. 3,291,363, 12–13–66, Cl. 229—5.5.
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McCormick, William A., Jr., to The Pangborn Corp. Method and apparatus for deflashing pneumatic tires. 3,284,958, 11–15–66, Cl. 51—14.
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McCotter, Harold J., and E. J. De Hoff, to General Motors Corp. Zero travel power brake. 3,246,473, 4–19–66, Cl. 60—54.6.
McCowan, Eddie. Parallel-series automotive electrical switch. 3,231,690, 1–25–66, Cl. 200—11.
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Sunnen, Joseph, and McCowan. 3,244,589.
McCown, Everett E., to United States of America, Navy. Radar plotting apparatus. 3,277,239, 10–4–66, Cl. 178—7.83.
McCown, Everett E., to United States of America, Navy. Moving target indicator generator. 3,277,469, 10–4–66, Cl. 343—7.7.
McCown, Fred M., to Tilt-A-Pac Corp. Concrete wall panel building construction. 3,228,161, 1–11–66, Cl. 52—285.
McCown, James W., Jr., to Day & Zimmermann, Inc. Frictionless loading method and apparatus. 3,266,531, 8–16–66, Cl. 141—1.
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McCoy, Charles E., Jr., to The Dow Chemical Co. Viscous cellulose ether compositions. 3,280,026, 10–18–66, Cl. 252—1.
McCoy, Charles E., Jr., and A. F. Steinhauer, to The Dow Chemical Co. Surface active bacteriostatic agents. 3,278,370, 10–11–66, Cl. 167—80.
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McCoy, Frederic C., and E. C. Knowles, to Texaco Inc. Method of granulating asphaltic materials. 3,235,488, 2–15–66, Cl. 208—39.
McCoy, Frederic C., and E. C. Knowles, to Texaco Inc. Lubricating composition containing amide, imide and thiocyanate complexes of zinc and tin. 3,269,950, 8–30–66, Cl. 252—46.4.
McCoy, Frederic C., and E. C. Knowles, to Texaco Inc. Schiff base-inorganic halide adduct. 3,272,852, 9–13–66, Cl. 260—429.5.
McCoy, George, A. C. Whiton, and P. G. Haines, to Pennsalt Chemicals Corp. Inhibiting popcorn polymer formation. 3,265,751, 8–9–66, Cl. 260—666.5.
McCoy, Howard M. Cards with selected window patterns and pack distinguishing indicia. 3,263,999, 8–2–66, Cl. 273—152.1.
McCoy, Paul B. Card carrying case. 3,232,397, 2–1–66, Cl. 190—51.
McCoy, Thomas A., to Cyclops, Inc. Drum painting apparatus. 3,276,422, 10–4–66, Cl. 118—321.
McCoy, William N., and J. D. Bell, to National Steel Corp. Superheater. 3,269,368, 8–30–66, Cl. 122—479.
McCracken, John H., J. G. D. Schulz, and A. C. Whitaker, to Gulf Research & Development Co. Process for preparing benzophenone acids and anhydrides and anhydrides resulting therefrom. 3,287,373, 11–22–66, Cl. 260—346.3.

McCracken, John H., J. G. D. Schulz, and A. C. Whitaker, to Gulf Research & Development Co. Esters of diaryl carbinol carboxylic acids, diaryl carbinol carboxylic acids and anhydrides of said diaryl carbinol carboxylic acids. 3,293,-267, 12–20–66, Cl. 260—346.3.
McCracken, Paul B., to Berkeley Pump Co. Control apparatus for adjusting pressure-flow characteristic of a pump. 3,274,938, 9–27–66, Cl. 103—11.
McCracken, Robert J., to United States of America, Atomic Energy Commission. Hydraulically actuated load carrying apparatus. 3,270,828, 9–6–66, Cl. 180—8.
McCrary, James W., Jr., R. C. Post, and J. J. Aylwin, to Texas Instruments Inc. Corrosive fluid heat exchanger. 3,250,322, 5–10–66, Cl. 165—133.
McCraven, Marcus R.: *See*—
Greilich, Alfred L., and McCraven. 3,238,406.
McCray Refrigerator Co., Inc.: *See*—
Mathis, Glenn W. 3,248,533.
McCready, Raymond G., to Carrier Corp. Refrigeration system defrost control. 3,273,352, 9–20–66, Cl. 62—155.
McCreary, Bernie F., Jr., 20% each to L. Stallones, J. T. Radford, E. A. Gibbons, and W. C. Gustafson. Game projectile having adjustable ailerons. 3,264,777, 8–9–66, Cl. 46—81.
McCreary, Harold J., to The Bunker-Ramo Corp. Method and apparatus for thermally setting and controlling the gaps of non-contact readout elements. 3,270,328, 8–30–66, Cl. 340—174.1.
McCreary, Harold J. Method and apparatus for thermally setting and controlling the gaps of non-contact readout elements. 3,271,444, 9–6–66, Cl. 340—174.1.
McCreary Tire & Rubber Co.: *See*—
Rankin, Floyd C. 3,268,950.
McCreight, Kenneth A., to K. A. McCreight. Light detection device. 3,227,929, 1–4–66, Cl. 317—129.
McCreight, Louis R., to General Electric Co. Oriented graphitic structure. 3,288,629, 11–29–66, Cl. 117—46.
McCrory, Rollin J., J. H. McNinch, Jr., A. K. Daggett, and J. B. Day, Jr., to The Battelle Development Corp. Reverse leakage seal for reciprocating parts. 3,229,900, 1–18–66, Cl. 230—203.
McCrossan, Patrick, to Stoppafire Ltd. Light-weight portable fire extinguishers. 3,259,194, 7–5–66, Cl. 169—31.
McCue, Allen P.: *See*—
Bauer, William C., McCue, and Rule. 3,233,983.
McCue, James H. Water purifying means. 3,243,358, 3–29–66, Cl. 202—173.
McCue, James H. Hip shingle package and method of packaging. 3,291,298, 12–13–66, Cl. 206—46.
McCuen, Donald H., to Arrow Mfg. & Sales Co. Fuel tank hanger for trucks and vehicles. 3,227,410, 1–4–66, Cl. 248—201.
McCullah, Floyd. Quick coupling valve. 3,272,471, 9–13–66, Cl. 251—146.
McCulley, James H.: *See*—
Morrison, Richard E., and McCulley. 3,268,654.
McCulloch, Allan G. Masonry anchor bolt. 3,277,770, 10–11–66, Cl. 85—67.
McCulloch, Bryson: *See*—
Gallagher, John E., Crider, and McCulloch. 3,274,676.
McCulloch Corp.: *See*—
Bailey, Jay R. 3,283,620.
Beck, Niels J. 3,269,713.
Brooks, John H. 3,257,998.
Bullard, Martin B. 3,292,675.
Burkett, Wilford B., Crist, Dooley, Oehrli, and Wilkin. 3,252,452.
Cheeseboro, Robert G. 3,240,452.
Crownover, Joseph W. 3,229,154.
Ehlen, Jack W. 3,269,431.
Ehlen, Jack W., Muir, and Zimmerer. 3,279,508.
Gudmundsen, Austin. 3,279,272.
Robechaud, Gerald C. 3,275,307.
Sheaffer, Benjamin L. 3,257,997.
McCulloch, William J. G.: *See*—
Clark, Hadden, Adams, Smyers, McCulloch, and Slotterbeck. 3,238,077.
McCulloch, William J. G., W. E. Heumann, and P. L. Mercier, to Esso Research and Engineering Co. Polymer compositions. 3,264,253, 8–2–66, Cl. 260—41.
McCullough, Charles E., to Kaman Aircraft Corp. Two-way intercommunication system. 3,291,911, 12–13–66, Cl. 179—1.
McCullough, Charlotte E.: *See*—
Delmege, James W., Jr., Hollenbach, and Ellsworth. 3,228,005.
McCullough, Harry J., to Federal-Mogul-Bower Bearings, Inc. Spring tester. 3,283,454, 2–8–66, Cl. 73—161.
McCullough, Jane F. Wrapping material and the fashioning of packaging blanks therefrom. 3,288,353, 11–29–66, Cl. 229—87.
McCullough, John E., to Arthur D. Little, Inc. Combustion apparatus. 3,228,450, 1–11–66, Cl. 158—77.
McCullough, John E., to Arthur D. Little, Inc. Nozzle system and fuel oil burner incorporating it. 3,275,059, 9–27–66, Cl. 158—28.
McCullough, Philip E. Lawn trimming device. 3,238,710, 3–8–66, Cl. 56—246.
McCullough, Robert W.: *See*—
Klein, Norman E., and McCullough. 3,237,653.
McCullough, Stuart N., and G. G. Hollowich, to Shelly Associates, Inc. Rear projection symbol presentation. 3,286,-585, 11–22–66, Cl. 88—24.
McCullough, Theron E., and C. C. Boltz, to Fair-Play Mfg. Co. Score board sign structure. 3,291,975, 12–13–66, Cl. 240—11.2.
McCullough, Thomas E., and L. Strickland, to Texas Instruments Inc. Method of determining the travel time of a seismic signal. 3,252,129, 5–17–66, Cl. 340—15.5.
McCune, Harry E., III: *See*—
Lula, Remus A., and McCune. 3,288,611.
McCune, James D., to Schlumberger Well Surveying Corp. Sand supply container. 3,266,193, 8–16–66, Cl. 51—12.
McCune, William J., Jr., to Polaroid Corp. Capsular product coated with silver halide and containing a color-providing substance. 3,276,869, 10–4–66, Cl. 96—3.
McCurdy, Dean K.: *See*—
Priest, Reid G., and McCurdy. 3,273,722.
McCurdy, Donald L., to Jervis Corp. Arming unit. 3,285,-132, 11–15–66, Cl. 89—1.5.
McCurdy, Richard M.: *See*—
Watkins, Nathaniel L., Jr., and McCurdy. 3,281,498.
McCurry, Hartsell F.: *See*—
Hawkins, Gary F., and McCurry. 3,254,111.
McCutchan, Winfred N.: *See*—
Arzberger, Fred C., and McCutchan. 3,285,827.
McCutchan, Winfred N., to Commercial Solvents Corp. Growth promoting agents. 3,261,688, 7–19–66, Cl. 99—9.
McCutchen, Charles W., and I. D. Howard; said Howard, assor. to said McCutchen. Low inductance capacitor. 3,231,798, 1–25–66, Cl. 317—242.
McCutcheon, Lulu A. Educational and recreational lesson-aids and games with easel. 3,263,347, 8–2–66, Cl. 35—60.
McCutcheon, Roger D.: *See*—
Rousey, Donald L., McCutcheon, and Leslie. 3,241,474.
McDaniel, Alton R.: *See*—
Corley, John W., and McDaniel. 3,294,050.
McDaniel, Carl V.: *See*—
Maher, Philip K., and McDaniel. 3,293,192.
McDaniel, Carl V., and P. K. Maher, to W. R. Grace & Co. Process for the preparation of synthetic faujasite. 3,264,059, 8–2–66, Cl. 23—113.
McDaniel, Edgar L.: *See*—
Young, Howard S. 3,293,280.
Young, Howard S., and McDaniel. 3,287,394.
Young, Howard S., and McDaniel. 3,293,279.
McDaniel, Edgar L., and H. S. Young, to Eastman Kodak Co. Process for preparing acrylonitrile by catalytic synthesis from olefins, ammonia and oxygen. 3,253,014, 5–24–66, Cl. 260—465.3.
McDaniel, Edgar L., and H. S. Young, to Eastman Kodak Co. Catalytic process for preparing acrolein. 3,260,753, 7–12–66, Cl. 260—604.
McDaniel, Edgar L., and H. S. Young, to Eastman Kodak Co. Catalytic synthesis of acrylonitrile from olefins, ammonia and oxygen. 3,262,962, 7–26–66, Cl. 260—465.3.
McDaniel, Edgar L., and H. S. Young, to Eastman Kodak Co. Catalyst and process for preparing the same. 3,282,860, 11–1–66, Cl. 252—451.
McDaniel, Fred B., and B. I. Niles. Automobile sign. 3,284,-677, 2–15–66, Cl. 40—129.
McDaniel, George, to The Bendix Corp. Numerically controlled work and feed motor driven gear-hobber. 3,267,-344, 8–16–66, Cl. 318—39.
McDaniel, James B., to Beckman Instruments, Inc. Electronic motor control. 3,231,808, 1–25–66, Cl. 318—331.
McDaniel, Jessie L.: *See*—
Dalton, Oran G., McDaniel, and May. 3,242,712.
McDaniel, Paul H. Combination liquid level indicator and temperature gauge. 3,292,434, 12–20–66, Cl. 73—292.
McDaniel, Rupert A., Jr.: *See*—
Etchison, Gibson O., and McDaniel. 3,245,854.
McDaniel, William H.: *See*—
Parker, Mitchell, McDaniel, and Gantt. 3,269,036.
McDaniel, Weymouth N., and A. Amorosi, to Atomic Power Development Associates, Inc. Fuel element hold-down arrangement for nuclear reactors. 3,235,465, 2–15–66, Cl. 176—61.
McDaniel, Weymouth N., and C. E. Klotz, to Atomic Power Development Associates, Inc. Nuclear reactor. 3,285,823, 11–15–66, Cl. 176—47.
McDavid, William D.: *See*—
Hannah, Malcolm E., Jr., and McDavid. 3,257,377.
McDermid, William L.: *See*—
Dunn, William H., Fey, Kanal, McDermid, and Smith. 3,275,985.
Dunn, William H., Fey, Kanal, McDermid, and Smith. 3,275,986.
McDermid, William L., and R. I. Roth, to International Business Machines Corp. Associative memory system. 3,242,-468, 3–22–66, Cl. 340—172.5.
McDermott, Byron, and A. C. Mehring, to Bell Telephone Laboratories, Inc. Subscriber line divided access circuit. 3,250,858, 5–10–66, Cl. 179—18.
McDermott, Francis X., to Kelco Co. Process for preparing a canned food product by the addition thereto of a water soluble alginate. 3,257,214, 6–21–66, Cl. 99—182.
McDermott, Gerard B.: *See*—
Hermann, Tobias. 3,255,618.
McDermott, Henry J., to FMC Corp. Heating roller assembly. 3–257,939, 6–28–66, Cl. 100—93.
McDermott, Hugh L., to Char-Lynn Co. Porting arrangement for balancing valve of fluid pressure device. 3,270,683, 9–6–66, Cl. 103—130.

McDermott, James E., to United States Steel Corp. Apparatus for severing traveling product. 3,227,432, 1–4–66, Cl. 266—23.
McDermott, John M.: *See*—
Jorczak, Joseph S., and McDermott. 3,249,475.
McDermott, John P.: *See*—
Lifson, William E., and McDermott. 3,244,543.
McDevitt, Robert E. Vehicle windshield washer. 3,230,564, 1–25–66, Cl. 15—250.04.
McDewell, Bernard A.: *See*—
Hirschfield, Jule J., and McDewell. 3,287,502.
McDill, Laura. Light regulating panel screen. 3,287,873, 11–29–66, Cl. 52—675.
McDonald, Benjamin J. Utility hand truck. 3,262,712, 7–26–66, Cl. 280—47.19.
McDonald, Clement J., to Multi Electric Mfg., Inc. Lighting apparatus. 3,233,088, 2–1–66, Cl. 240—1.2.
McDonald, David I.: *See*—
Bergstrom, Swan E., Dever, and McDonald. 3,259,976.
McDonald David I., to The Cincinnati Milling Machine Co. Feed control device to feed tool spindle at rate of tool advance. 3,273,182, 9–20–66, Cl. 10—139.
McDonald, David W.: *See*—
Higgins, Thomas D., Jr., McDonald, and Roth. 3,262,-966.
McDonald, Edwin C., and F. E. Stephens, to Republic Steel Corp. Gas mixing method and apparatus. 3,273,982, 9–20–66, Cl. 48—180.
McDonald, Eldon O. Overhead monorail car. 3,233,556, 2–8–66, Cl. 104—136.
McDonald, Eugene J., and G. H. Walden, to Isomet Corp. Composition and method for absorption and regeneration of carbon dioxide. 3,232,028, 2–1–66, Cl. 55—68.
McDonald, Frank D., to American Machine & Foundry Co. Low voltage electrical connector. 3,231,731, 1–25–66, Cl. 240—3.
McDonald, Frank D., to American Machine & Foundry Co. Toy aircraft with built-in fuel tank. 3,238,664, 3–8–66, Cl. 46—77.
McDonald, Graham B., Jr., to E. I. du Pont de Nemours and Co. Process for the removal of dispersed carbon particles from an aqueous media. 3,276,995, 10–4–66, Cl. 210—21.
McDonald, Harry S., F. A. and J. M. Malik, and W. N. Smith. Combined hanger and stretcher for trousers and slacks. 3,262,617, 7–26–66, Cl. 223—95.
McDonald, Henry B.: *See*—
Moody, Willard B., E. G., and McDonald. 3,231,244.
McDonald, James A.: *See*—
Volker, Herbert W., and McDonald. 3,253,388.
McDonald, John E. Centrifugal fans. 3,285,501, 11–15–66, Cl. 230—127.
McDonald, John K.: *See*—
Hink, John H., Jr., and McDonald. 3,234,106.
McDonald, John N. Die apparatus. 3,254,550, 6–7–66, Cl. 83—128.
McDonald, John O., and Robert J. Stockman, to Union carbide Corp. Apparatus for molding hollow plastic articles. 3,277,534, 10–11–66, Cl. 18—43.
McDonald, Leighton S.: *See*—
Crabb, Clarence R., and McDonald. 3,275,549.
McDonald, Louis, to Kelite Chemicals Corp. Detergent composition. 3,278,444, 10–11–66, Cl. 252—121.
McDonald, Lyell J., to C. G. Conn Ltd. Electronic control system. 3,253,079, 5–24–66, Cl. 84—1.26.
McDonald, Mack H. Combination gun carrying harness and flexible sling. 3,258,182, 9–28–66, Cl. 224—1.
McDonald, Marshall B.: *See*—
Long, James A., and McDonald. 3,254,884.
McDonald, Ralph C. Cleaner device for welding nozzle. 3,284,608, 11–8–66, Cl. 219—130.
McDonald, Richard T., and C. J. Gonsalves. Safety closure. 3,261,490, 7–19–66, Cl. 215—9.
McDonald, Robert D. Shut-off adapter for automatic gasoline nozzles. 3,255,789, 6–14–66, Cl. 141—226.
McDonald. Robert J. Handles for ski poles and the like. 3,290,040, 12–6–66, Cl. 280—11.37.
McDonald, Robert L., and A. F. Bernreuther, to Wilmot Castle Co. Temperature controlled timing apparatus. 3,240,959, 3–15–66, Cl. 307—117.
McDonald, Roger D.: *See*—
Spence, Neville S., Badone, Morgan, and McDonald. 3,284,175.
McDonald, Stuart E. Child's play tent. 3,258,020, 6–28–66, Cl. 135—1.
McDonald, Terence F., to E. I. du Pont de Nemours and Co. Process for preparing filamentary tow. 3,283,054, 11–1–66, Cl. 264—344.
McDonald's System, Inc.: *See*—
Martino, Louis J. 3,281,813.
Weimer, Ralph E. 3,255,570.
Weimer, Ralph E., and Stalder. 3,260,419.
McDonell, Perry T. Lubricant handling method and apparatus for refrigeration systems. 3,276,215, 10–4–66, Cl. 62—84.
McDonnell Aircraft Corp.: *See*—
Ascoli, Ferdinand A., and Payne. 3,258,854.
Baker, Charles E., Leonhard, and Dinhobel. 3,245,895.
Bunting, Russell C. 3,252,375.
Dubusker, William, Pogorzelski, and Fridrich. 3,275,794.
Kingsborough, Donald G., Hossfeld, and Settles. 3,277,-725.
Lechtreck, Lawrence W. 3,241,148.
McDonnell Aircraft Corp.: *See*—Continued
Perkinson, Robert E., Von Fange, and Borrok. 3,250,-896.
Schimmel, Morry L. 3,248,072.
Schimmel, Morry L., Bleikamp, and Drexelius. 3,263,489.
Summers, Allan J. 3,245,352.
Weber, George J. 3,281,558.
McDonnell, Edward: *See*—
Fain, Jacob M., McDonnell, and Blaufox. 3,244,541.
McDonnell & Miller, Inc.: *See*—
Stonich, Elwood H., and Kmiecik. 3,238,323.
McDonnell, Robert L.: *See*—
Beaver, Roy L., and McDonnell. 3,255,403.
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McDonough, Charles F.: *See*—
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McDonough, Cletus G., to United-Carr Inc. Rotary solenoid. 3,278,875, 10–11–66, Cl. 335—272.
McDonough, Henry W., to Elgin Elmac Enterprises, Inc. Muscular evaluation and exercising apparatus. 3,285,070, 11–15–66, Cl. 73—379.
McDonough, James O., and J. Steranka, Jr., to Giddings & Lewis Machine Tool Co. Pulse counting phase shift decoder for a servo control. 3,258,667, 6–28–66, Cl. 318—18.
McDonough, John B., to Mine Safety Appliances Co. Closed circuit breathing apparatus. 3,292,617, 12–20–66, Cl. 128—142.
McDonough, John J., to Scott & Williams, Inc. Knitting machine. 3,236,068, 2–22–66, Cl. 66—111.
McDonough Power Equipment, Inc.: *See*—
Smith, William R. 3,269,100.
McDonough, William F., to Pitney-Bowes, Inc. Ink applicator. 3,253,542, 5–31–66, Cl. 101—367.
McDougal, John A., to General Motors Corp. Arrangement for connecting electrical controls to printed circuits. 3,271,-627, 9–6–66, Cl. 317—112.
McDougal, Kenneth R., to General Electric Co. Eddy current coupling. 3,249,778, 5–3–66, Cl. 310—105.
McDougal, Rudolph. Kite sky diver kit. 3,284,034, 11–8–66, Cl. 244—155.
McDougall, Howard H., to Alloy Steels, Inc. Dual conveyor material handling apparatus. 3,247,949, 4–26–66, Cl. 198—20.
McDougall, Nicholas E.: *See*—
Soukey, Frank J., and McDougall. 3,260,835.
McDougall, Robert I.: *See*—
Baldwin, Francis P., McDougall, Muessig, and Bartlett. 3,293,209.
McDowall, Charles J., to General Motors Corp. One way positive clutch connected in parallel with overload release friction coupling. 3,249,187, 5–3–66, Cl. 192—48.
McDowell, Donald E., and G. A. Weigerber, to Esso Research and Engineering Co. Compositions containing paraffin wax, semi-microcrystalline wax, ethylene-vinyl acetate copolymer and polyethylene. 3,245,930, 4–12–66, Cl. 260—28.5.
McDowell, George E., to Michigan Tube Benders, Inc. Tube bending die. 3,276,236, 10–4–66, Cl. 72—157.
McDowell, Hunter L.: *See*—
Feinstein, Joseph, Drexler, and McDowell. 3,255,422.
McDowell, Maurice J., and E. R. Werner, Jr., to E. I. du Pont de Nemours and Co. Process for liminating polymeric latices. 3,261,797, 7–19–66, Cl. 260—29.6.
McDowell, Robert C., to Olin Mathieson Chemical Corp. Multiwall bag. 3,269,643. 8–30–66, Cl. 229—55.
McDowell, Robert C., to Olin Mathieson Chemical Corp. Antifriction former device. 3,291,007, 12–13–66, Cl. 93—20.
McDowell-Wellman Engineering Co.: *See*—
Ban, Thomas E. 3,245,778.
Ban, Thomas E. 3,262,771.
Ban, Thomas E. 3,264,091.
Ban, Thomas E. 3,264,092.
Cheek, Edward E. 3,262,398.
Ludwig, Carl. 3,260,220.
Ludwig, Carl. 3,262,399.
Markowitz, Morton L. 3,262,580.
Sabin, Raymond H. 3,232,459.
Sabin, Raymond H., and Cheek. 3,275,169.
Thompson, George F. 3,286,863.
McDowell, William A. Electrically operated cutter for cutting the armor of armored cable. 3,273,230, 9–20–66, Cl. 30—90.5.
McDowell, William B. Frangible conductor type circuit breaker for electrical machinery. 3,230,327, 1–18–66, Cl. 200—61.08.
McDowell, William B. Constant bubble indicator. 3,281,947, 11–1–66, Cl. 33—212.
McDurmont, Walter R., to Anderson Electric Corp. Control system. 3,230,713, 1–25–66, Cl. 60—52.
McEachran, Hugh E. Dispenser for fluids. 3,256,893, 6–21–66, Cl. 132—84.
McEachran, Paul R., and H. P. Schmitt, to MacMillan Ring-Free Oil Co., Inc. Emulsion breaking process. 3,257,231, 6–21–66, Cl. 117—105.5.
McElhiney, William B. Shaving set. 3,277,901, 10–11–66, Cl. 132—80.
McElhinney, Douglas H., to Cabin Crafts, Inc. Integral cushion backing for tufted rugs and process for making same. 3,285,796, 11–15–66, Cl. 161—66.
McElhinney, Eric M.: *See*—
Kucera, Joseph B. 3,263,836.

McElligatt, Francis R., to Burroughs Corp. Manually operable inserting tool. 3,253,327, 5–31–66, Cl. 29—206.
McElroy, Archie B., W. E. Presley, and E. Forbis. Tire pressure signal. 3,238,500, 3–1–66, Cl. 340—58.
McElroy, David C.: *See*—
Bott, John A., and McElroy. 3,239,115.
McElroy, John F., to Dennison Mfg. Co. Protected adhesive labels. 3,245,162, 4–12–66, Cl. 40—23.
McElroy, Robert K.: *See*—
Foster, Charles N., McElroy, and Curry. 3,270,904.
McElroy, Robert M., Jr., to Thiokol Chemical Corp. Apparatus for casting small solid propellant rocket motors for testing purposes. 3,263,275, 8–2–66, Cl. 18—26.
McElroy, Wilbur R., to Mobay Chemical Co. Interfacial polymerisation of polyurethanes. 3,236,812, 2–22–66, Cl. 260—75.
McElroy, Wilbur R., to Mobay Chemical Co. Polyurethanes from two distinct polyurethane polymers. 3,284,539, 11–8–66, Cl. 260—858.
McElroy, William D., and E. H. White. 2-cyano-6-oxybenzothiazole and methods of preparing same. 3,262,940, 7–26–66, Cl. 260—304.
McElvany, James L. Pipe laying apparatus. 3,292,379, 12–20–66, Cl. 260—851.
McElvenny, Robert T. Compression type bone splint. 3,244,170, 4–5–66, Cl. 128—92.
McEntee, Frank J., Jr. Heat-exchange apparatus. 3,253,650, 5–31–66, Cl. 165—120.
McEntee, Frank J., Jr. Heat-exchange method and apparatus. 3,264,751, 8–9–66, Cl. 34—57.
McEnteer, William E.: *See*—
Dressler, Philip d'H., Jordan, and McEnteer. 3,240,315.
McEntee, Frank J., Jr. Heat-exchange apparatus. 3,253,650, 5–31–66, Cl. 165—120.
McEntire, Eldon T. Method and structure for varying alternating current induction motor rotor speed. 3,250,976, 5–10–66, Cl. 318—243.
McEntire, Jack W.: *See*—
Moore, Cecil L., and McEntire. 3,276,799.
McEuen, Albert H., R. M. Whitehorn, R. E. Dye, and E. J. Murphy, to Varian Associates. Intruder alarm system. 3,270,339, 8–30–66, Cl. 343—7.
McEuen, Robert B.: *See*—
Klass, Donald L., Haines, McEuen, and Martinek. 3,289,017.
Klass, Donald L., Martinek, Haines, and McEuen. 3,279,496.
McEvoy, James E.: *See*—
Campbell, Gardner L., Danvic, McEvoy, and Panich. 3,261,218.
McEvoy, James E., and H. Shalit, to Air Products and Chemical, Inc. Preparation of supported palladium catalysts. 3,271,327, 9–6–66, Cl. 252—472.
McEvoy, Joseph E.: *See*—
Rigo, Stephen J., McEvoy, and Schrempp. 3,251,546.
McEwan, Gilbert J., and S. G. Clark, to Monsanto Co. Process for alkylating aromatic hydrocarbons. 3,248,443, 4–26–66, Cl. 260—671.
McEwan, Gilbert J., and R. P. Beimler, to Monsanto Co. Soil and slip resistant coating compositions. 3,258,441, 6–28–66, Cl. 260—29.6.
McEwan, Ian H., to Canadian Industries Ltd. Copolymers of vinyl acetate with monoallylesters of polycarboxylic or hydroxy carboxylic acids with an aminoplast resin. 3,293,325, 12–20–66, Cl. 260—851.
McEwan, William S.: *See*—
Henry, Ronald A., and McEwan. 3,228,815.
McEwan, William S., A. S. Gordon, and J. Cohen, to United States of America, Navy. Method for increasing the burning rate of propellants. 3,228,338, 1–11–66, Cl. 102—98.
McEwen, John C., to General Motors Corp. Missile steering control. 3,245,620, 4–12–66, Cl. 239—269.29.
McEwen, John C., to General Motors Corp. Railroad journal bearing. 3,259,440, 7–5–66, Cl. 308—37.
McEwen, Malcolm: *See*—
Buss, John R., and McEwen. 3,249,151.
Buss, John R., and McEwen. 3,249,152.
Buss, John R., and McEwen. 3,258,063.
Buss, John R., McEwen, and Doerr. 3,234,734.
McEwen, Norman S.: *See*—
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McFadden, Arnett R. Odor and liquid absorbing animal litter and method of preparing same. 3,286,691, 11–22–66, Cl. 119—1.
McFadden, Charles, and G. B. Remmey, to Bickley Furnaces Inc. Burner means for furnaces. 3,247,884, 4–26–66, Cl. 158—7.
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McFadyen, Colin, and B. E. Shaw, to Fullerton, Hodgart & Barclay Ltd. Pressure control valve for use with mine winders. 3,270,764, 9–6–66, Cl. 137—116.3.
McFallen, Russell T., R. R. Langner, and L. L. Wade, to The Dow Chemical Co. Biocidally-active phenoxarsine-containing polymeric materials. 3,228,830, 1–11–66, Cl. 167—42.
McFarland, Forest R., to General Motors Corp. Roller detent mechanism for control apparatus. 3,287,513, 11–22–66, Cl. 200—16.
McFarland, George L., to General Electric Co. Magnetic reed relay. 3,268,839, 8–23–66, Cl. 335—151.
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McFarland, Glenn E. Foldable enclosure for vehicles. 3,288,519, 11–29–66, Cl. 296—23.
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McFarland, William W., and H. D. Wintringer, to International Paper Co. Container. 3,294,226, 12–27–66, Cl. 206—46.
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McGee, James D., to National Research Development Corp. Electron image intensifying devices. 3,232,781, 2–1–66, Cl. 117—33.5.
McGee, James D., to National Research Development Corp. Method of coating fluorescent layer of electron discharge tube. 3,278,326, 10–11–66, Cl. 117—33.5.
McGee, Leland T. Scraper blade mount for tractors. 3,226,860, 1–4–66, Cl. 37—155.
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McGinley, William J., and H. G. Spannagel, to Methode Electronics, Inc. Method of forming embossed electric circuits. 3,239,915, 3–15–66, Cl. 29—155.5.
McGinn, Martin J. Pressure compensated ionization chamber fire detector system. 3,246,312, 4–12–66, Cl. 340—237.
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McGinnis, Gerald E., to Westinghouse Electric Corp. Incinerator device. 3,289,618, 12–6–66, Cl. 110—8.
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McGirr, Robert, and B. A. Gay, to Atlas Chemical Industries, Inc. Connecting switch. 3,248,504. 4–26–66, Cl. 200—142.
McGirr, Robert, and B. A. Gay, to Atlas Chemical Industries, Inc. Electrical switch having deformable contact members. 3,274,363, 9–20–66, Cl. 200—142.
McGlade, Wayne H., to Le Tourneau-Westinghouse Co. Vehicle axle. 3,244,116, 4–5–66, Cl. 105—96.
McGlade, Wayne H., to Le Tourneau-Westinghouse Co. Vehicle. 3,272,274, 9–13–66, Cl. 180—79.4.
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McGlashan, Kenneth W., to Advance Ross Electronics Corp. Deflection yoke assembly with terminal housing. 3,287,605, 11–22–66, Cl. 317—101.
McGlasson, John Jr., and J. T. Nelson, to Bell Telephone Laboratories, Inc. Vapor deposition mask. 3,286,690, 11–22–66, Cl. 118—504.
McGlaughlin, George D. Housing construction for cookers. 3,244,163, 4–5–66, Cl. 126—25.
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McGowen, Harold E., Jr., to Camco, Inc. High pressure well packer. 3,249,149, 5–3–66, Cl. 166—120.
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McGrane, Eugene W., and J. J. Klosin. Electrical connector. 3,243,764, 3–29–66, Cl. 339—242.
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McGrath, John W., and B. E. Palmer, to Western Electric Co., Inc. Apparatus for testing slopes of characteristic curves by the sequential energization of the component under test. 3,254,301, 5–31–66, Cl. 324—158.
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McGrath, William L., to Carrier Corp. Air distribution system. 3,275,068, 9–27–66, Cl. 165—31.
McGrath, William R., and E. M. Roberts, to Richardson-Merrell Inc. Muscle relaxant compositions and methods. 3,284,299, 11–8–66, Cl. 167—65.
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McGraw, George P., Jr., to Western Electric Co., Inc. Controlled vapor shielding device for metallizing apparatus. 3,249,087, 5–3–66, Cl. 118—8.
McGraw, George P., Jr., to Western Electric Co., Inc. Extended foil capacitor with disc-like terminals centrally anchored thereto and a method of making the same. 3,273,034, 9–13–66, Cl. 317—260.
McGraw-Hill Book Co., Inc.: *See*—
Maurer, John A. 3,259,291.
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McGregor, Donald N., to Bristol-Myers Co. N,N-dimethyl-N (2,3-epoxypropyl)-o-substituted benzylammonium salts. 3,287,375, 11–22–66, Cl. 260—348.
McGregor, Donald N., and L. C. Cheney, to Bristol-Myers Co. N-(2,2-pentamethylene pyrrolidino methyl) tetracycline and salts. 3,228,962, 1–11–66, Cl. 260—326.3.
McGregor-Doniger Inc.: *See*—
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McGregor, William A., Jr., to Mobay Chemical Co. Process for the manufacture of upholstery. 3,258,511, 6–28–66, Cl. 264—45.
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McGrew, Everett R.: *See*—
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McGrew, James C., 44% to D. N. Norton, 12½% to M. C. McKiney, 7½% to H. W. Lehman, 2½% to R. J. Garnett, 4% to J. W. Brandenberger, 2½% to I. Perkins, 1% to V. G. Stamm, 1% to H. J. Denton, 1% to Browning & Simms, 22% to W. F. Newton, 1% to W. R. Sellers, and 1% to G. S. McClellan. Machine for forming short and beveled conduit sections having dowel pin holes. 3,234,618, 2–15–66, Cl. 25—33.
McGrew, James C., and R. W. Hoffman, 44% to D. N. Norton, 12½% to M. C. McKinley, 7½% to H. W. Lehman, 2½% to R. J. Garnett, 4% to J. W. Brandenberger, 2½% to I. Perkins, 1% to V. G. Stamm, 1% to H. J. Denton, 1% to Browning & Simms, 22% to W. F. Newton, 1% to W. R. Sellers, and 1% to G. S. McClellan. Machine for making multi-duct concrete conduit. 3,234,617, 2–15–66, Cl. 25—33.
McGrew, John W., and K. Jakobson, to Martin-Marietta Corp. Method of pickling and chemically milling zirconium and zirconium alloys. 3,264,219, 8–2–66, Cl. 252—79.3.
McGrew, Thomas A., to General Electric Co. Fin-on-tube type heat exchanger. 3,249,156, 5–3–66, Cl. 165—181.
McGriffin, James B., and W. L. Ripley, to United States of America, Navy. Smokeless, ashless signal flare composition containing ammonium perchlorate. 3,262,824, 7–26–66, Cl. 149—42.
McGroarty, James D., to North American Aviation, Inc. Expulsion device. 3,286,463, 11–22–66, Cl. 60—39.48.

McGrogan, Ellwood P., Jr., to Radio Corp. of America. Information processing apparatus. 3,245,050, 4–5–66, Cl. 340—172.5.
McGrogan, Ellwood P., Jr., to Radio Corp. of America. Electrical neuron circuits. 3,250,918, 5–10–66, Cl. 307—88.5.
McGrogan, Ellwood P., Jr., to Radio Corp. of America. Balanced current pumped parametric converter. 3,264,488, 8–2–66, Cl. 307—88.3.
McGrogan, Ellwood P., Jr., to Radio Corp. of America. Storage circuit. 3,274,566, 9–20–66, Cl. 340—173.
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McGuire, John P., and J. K. McKendry, to General Precision, Inc. Pulse scanned reflective display. 3,267,455, 8–16–66, Cl. 340—324.
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McGuire, John R., and L. C. Harms, to Fluid Power Accessories, Inc. Hydraulic valves. 3,266,520, 8–16–66, Cl. 137—596.13.
McGuire, Joseph C., to United States of America, Atomic Energy Commission. Carbide deposition on tantalum. 3,266,948, 8–16–66, Cl. 148—13.1.
McGuire, Joseph C., and D. D. Bowdish, to United States of America, Atomic Energy Commission. High temperature furnace. 3,238,288, 3–1–66, Cl. 13—31.
McGuire, Leo P.: *See*—
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McGuire, Shely W. Watercraft. 3,294,055, 12–27–66, Cl. 115—70.
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McHale, Michael J. Drainage assembly. 3,266,533, 8–16–66, Cl. 141—364.
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McHenry, Alan F. Buckle. 3,231,953, 2–1–66, Cl. 24—197.
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McHenry, Vincent J., to Omni Spectra, Inc. Resistive termination wherein coaxial inner conductor is movable to improve connection to coaxial line. 3,254,316, 5–31–66, Cl. 333—22.
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McHugh, Charles V., to The Arnold Co., Inc. Fluorescent lighting fixture. 3,247,368, 4–19–66, Cl. 240—51.11.
McHugh, Dennis H. J., and R. Johnstone, to Parke-Davis & Co. Derivatives of pyrazine. 3,264,294, 8–2–66, Cl. 260—250.
McHugh, James F., to Cornell-Dubilier Electric Corp. Mica condenser with hard-metal terminal foils and lead-tin foil connections to the electrode. 3,229,173, 1–11–66, Cl. 317—258.
McHugh, James J., to Gladwin Plastics, Inc. Housing for wall mounted telephones. 3,247,332, 4–19–66, Cl. 179—183.
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McHugh, John W., and R. A. Baker, to P. R. Mallory & Co., Inc. Sealed electrolytic capacitor in hermetically sealed case. 3,275,902, 9–27–66, Cl. 317—230.
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Wilson, Glenn R., Stemniski, and McHugh. 3,290,247.
McHugh, Kenneth L., to Radio Corp. of America. Lubricating compositions. 3,242,081, 3–22–66, Cl. 252—33.6.
McIlhenny, William F., to The Dow Chemical Co. Alkaline scale control in saline water conversion equipment. 3,260,668, 7–12–66, Cl. 210—24.
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McIlvaine, Hubert A. Method of forming a citrus fruit shell container. 3,264,119, 8–2–66, Cl. 99—171.
McIlvaine, Robert L., to Harry W. Dietert Co. Base and trim water proportioning system and method. 3,230,589, 1–25–66, Cl. 22—89.
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McIlvaine, Robert L., to National Dust Collector Corp. Entrainment separator. 3,289,398, 12–6–66, Cl. 55—440.
McIlvin, Donald B., to United Shoe Machinery Corp. Injection molding machine. 3,235,909, 2–22–66, Cl. 18—30.
McIlvin, Donald B., to United Shoe Machinery Corp. Mold charging means. 3,259,944, 7–12–66, Cl. 18—30.
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McIlwraith, William G., to Shipelle Ltd. Jet propulsion unit. 3,279,180, 10–18–66, Cl. 60—35.54.
McInerney, Michael J., J. L. Czyl, and W. H. Lauridsen, to Vapor Corp. Fluid heating apparatus. 3,282,257, 11–1–66, Cl. 122—250.
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Daniluk, Syl, and Dugal. 3,250,408.
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McIntosh, Frank H. Receiver for lecture broadcasting system. 3,235,804, 2–15–66, Cl. 325—318.
McIntosh, Harold A. Machine safety control apparatus. 3,254,272, 5–31–66, Cl. 317—157.
McIntosh, Harold A., and H. Rehrig, to Robertshaw Controls Co. Safety control for gas valve and the like. 3,264,421, 8–2–66, Cl. 200—61.86.
McIntosh, Harold A., and H. Rehrig, to Robertshaw Controls Co. Combination pilot burner and thermocouple mount. 3,286,762, 11–22–66, Cl. 158—123.
McIntosh, Harold A., and H. Rehrig, to Robertshaw Controls Co. Pilot burner for gas heater or the like. 3,291,185, 12–13–66, Cl. 158—113.
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McIntyre, Maurice J., to The Humboldt Co. Turning spud. 3,283,454, 11–8–66, Cl. 52—114.
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McKay, Arthur F., and D. L. Garmaise, to Monsanto Canada Ltd. Aryl esters of 3,4-dichloro-phenyl thionocarbamates. 3,290,351, 12–6–66, Cl. 260—455.
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McKay, Harry M., to The Binkley Co. Bi-directional lock. 3,240,300, 3–15–66, Cl. 192—8.
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McKee, Edward. Resonant V type antenna with center loading effected by coil formed integrally with radiating element. 3,251,063, 5–10–66, Cl. 343—749.
McKee, Edward S., G. L. Jenkins, and D. L. Babcock, to Eastman Kodak Co. Shutter mechanism. 3,232,690, 2–1–66, Cl. 352—209.
McKee, Frank A. Snow removal units. 3,241,253, 3–22–66, Cl. 37—12.
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Black, Lloyd V., and McKelvey. 3,284,183.
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Golightly, James S., and McKelvey. 3,248,195.
Stilley, George W., and McKelvey. 3,293,021.
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McKelvey, Harold E., to Pittsburgh Plate Glass Co. Method and apparatus for bending glass. 3,248,196, 4–26–66. Cl. 65—107.
McKelvey, Harold E., to Pittsburgh Plate Glass Co. Method of inspecting tempered glass sheets. 3,264,079, 8–2–66, Cl. 65—29.
McKelvey, Harold E., and T. J. Reese, to Pittsburgh Plate Glass Co. Bending mold for glass sheets. 3,281,231, 10–25–66, Cl. 65—288.
McKelvey, James G., Jr., I. H. Milne, and R. P. Trump, to Gulf Research & Development Co. Membrane support. 3,285,421, 11–15–66, Cl. 210—409.
McKelvey, John B., R. J. Berni, and R. R. Benerito, to United States of America, Agriculture. Imparting crease recovery properties to cellulose with precursors of butadiene diepoxide. 3,268,293, 8–23–66, Cl. 8—120.
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McKenna, Philip M., to Kennametal Inc. Abrasive wheel. 3,271,911, 9–13–66, Cl. 51—206.
McKenney, George F., and A. E. Anctil. Mailbox stand. 3,289,988, 12–6–66, Cl. 248—145.
McKenney, Malcolm S.: *See*—
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McKennon, Keith R.: *See*—
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Schurz, George F., and McKennon. 3,235,523.
McKennon, Keith R., to Dow Chemical Co. Method of degrading water-soluble polymers with ferrous salts and a ferric chelating agent. 3,240,737, 3–15–66, Cl. 260—29.2.
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McKenzie, Clarence M. Tool for holding and driving screws. 3,244,208, 4–5–66, Cl. 145—52.
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McKenzie, William G., to Walker Mfg. Co. Reciprocating fluid motor. 3,282,167, 11–1–66, Cl. 91—306.
McKenzie, William G., to Walker Mfg. Co. Pump. 3,288,072, 11–29–66, Cl. 103—43.
McKenzie, William G., to Walker Mfg. Co. Pump. 3,291,-054, 12–13–66, Cl. 103—40.
McKeon, James E., and P. S. Starcher, to Union Carbide Corp. Preparation of unsaturated acetates by the oxidation of olefins with a palladium salt in the presence of excess cupric acetate in halide free medium. 3,238,247, 3–1–66, Cl. 260—497.
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McKeown, Daniel, to General Dynamics Corp. Erosion gauge. 3,237,447, 3–1–66, Cl. 73—86.
McKeown, David F. Vehicle with boom. 3,243,061, 3–29–66, Cl. 214—83.1.
McKeown, Patrick J., to Sperry Rand Corp., Ford Instrument Co. Division. Automatic explosive echo ranging data plotter. 3,227,994, 1–4–66, Cl. 340—3.
McKernan, Edward J. Anti-clog aerosol dispenser. 3,250,-474, 5–10–66, Cl. 239—117.
McKernan, Edward J. Tamperproof cap for aerosol bomb. 3,266,676, 8–16–66, Cl. 222—182.
McKesson, Jacob I. Boot leg stretching device. 3,276,053, 10–4–66, Cl. 12—114.6.
McKew, Marshall, and F. L. McKone, to Huyck Corp. Method of producing needled felts. 3,230,599, 1–25–66, Cl. 28—72.2.
McKey, Thomas J., to American Motors Corp. Door lock. 3,281,176, 10–25–66, Cl. 292—216.
McKi, Thomas G., and D. J. Wolf, to Beloit Corp. Pressure relief valve for papermaking machine headbox. 3,247,049, 4–19–66, Cl. 162—259.
McKibben, Richard K., to Southwestern Engineering Co. Roller-actuated vibro-energy mill. 3,266,739, 8–16–66, Cl. 241—175.
McKibben, Richard K., to Southwestern Engineering Co. Vibro-energy mill. 3,268,177, 8–23–66, Cl. 241—175.
McKie, Robert T., to United States Steel Corp. Skid rail. 3,236,507, 2–22–66, Cl. 263—6.
McKie, Robert T., to United States Steel Corp. Continuous heat treating apparatus. 3,269,714, 8–30–66, Cl. 263—3.
McKiever, William H., to American Can Co. Pressure container. 3,231,152, 1–25–66, Cl. 222—394.
McKim, Burton, to Bell Telephone Laboratories, Inc. Electrical impedance measuring bridge circuits having substantially maximum bridge sensitivities when approaching balance. 3,257,611, 6–21–66, Cl. 324—57.
McKinlay, Robert C.: *See*—
Lindamood, Benton B., McKinlay, and Thom. 3,263,402.
McKinlay, Robert C., to Ford Motor Co. Flame retarding induction system for an internal combustion engine. 3,293,830, 12–27–66, Cl. 55—276.
McKinley, David L. Separation method using activated diffusion barriers. 3,232,026, 2–1–66, Cl. 55—16.
McKinley, David L., to Union Carbide Corp. Method for hydrogen separation and purification. 3,247,648, 4–26–66, Cl. 55—16.
McKinley, Ivan E., deceased (by M. McKinley, executrix), E. Schuster, and E. E. Wallace, to Controls Co. of America. Dual fluid valve. 3,279,498, 10–18–66, Cl. 137—630.15.
McKinley, Joseph B.: *See*—
Elliott, George E., Jr., and McKinley. 3,248,342.
McKinley, Marion C.: *See*—
McGrew, James C. 3,234,618.
McGrew, James C., and Hoffman. 3,234,617.
McKinley, Mathea: *See*—
McKinley, Ivan E., Schuster, and Wallace. 3,279,498.
McKinley, William. Turnable shoe heels. 3,237,321, 3–1–66, Cl. 36—39.
McKinney, Eldon O., and F. Evans. Portable electric cooking apparatus. 3,277,278, 10–4–66, Cl. 219—444.
McKinney, Joel D.: *See*—
Beuther, Harold, McKinney, Rice, Schmid, Stewart, and Sutphin. 3,245,901.
McKinney, Ralph E., to Hoover Ball and Bearing Co. Bins and apparatus for discharging bins. 3,280,996, 10–25–66, Cl. 214—302.
McKinney, Robert A.: *See*—
Goldstein, Marcy B., and McKinney. 3,248,788.
McKinney, William J., ⅓ each to B. G. Treece and J. B. Miller. Combination watch band. 3,265,247, 8–9–66, Cl. 224—4.
McKinnie, Roxton C. Combination step, stair, and extension ladder. 3,241,632, 3–22–66, Cl. 182—26.
McKinnis, Art C., to Union Oil Co. of California. Solvent extraction process. 3,244,762, 4–5–66, Cl. 260—674.
McKinnis, Charles L.: *See*—
Machlan, George R., McKinnis, and Glaser. 3,294,503.
McKinnis, Charles L., to Owens-Corning Fiberglas Corp. Borosilicate glass melting method. 3,274,006, 9–20–66, Cl. 106—50.
McKinnon, Charles N., Jr.: *See*—
Yount, Emory N., and McKinnon. 3,265,350.
McKinstry, John R.: *See*—
Hayes, Robert L., and McKinstry. 3,268,647.
McKinven, Robert, Jr., to Chicago Rawhide Mfg., Co. Radial lip seals. 3,250,541, 5–10–66, Cl. 277—182.
McKinven, Robert, Jr., to Chicago Rawhide Mfg. Co. Lip seals. 3,276,783, 10–4–66, Cl. 277—183.
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Engelsher, Harvey J., and McKirdy. 3,279,679.
Holstra, Peter C., McKirdy, and Engelsher. 3,279,467.
McKissick, Burleigh H. Endless flexible belt type ice cube maker. 3,253,425, 5–31–66, Cl. 62—345.
McKnight, James T., to Johnson & Johnson. Method of producing a collagen casing. 3,235,641, 2–15–66, Cl. 264—178.
McKone, Francis L.: *See*—
McKew, Marshall, and McKone. 3,230,599.
McKowen, William, to Meredith Printing Co. Book binding. 3,244,436, 4–5–66, Cl. 201—23.
McKowen, William, to Meredith Publishing Co. Binding for books. 3,260,264, 7–12–66, Cl. 129—23.
McKown, John C. Hunting preserve and game bird release therefor. 3,294,064, 12–27–66, Cl. 119—15.6.
McKusick, Blaine C.: *See*—
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McLain, Ann G., to Lockheed Aircraft Corp. Transparent file separator. 3,269,392, 8–30–66, Cl. 129—26.
McLain, Charles D., and C. J. Hechinger, to Olin Mathieson Chemical Corp. Copper base alloys. 3,234,014, 2–8–66, Cl. 75—153.
McLamb, Marion R. Gas lantern. 3,267,277, 8–16–66, Cl. 240—26.
McLamore, William M.: *See*—
McManus, James M., McLamore, and Laubach. 3,242,-174.
McLane, George F., to Sperry Rand Corp. Multi-aperture plate half adder. 3,243,599, 3–29–66, Cl. 307—88.
McLane, George F., to Sperry Rand Corp. Multi-aperture plate logic. 3,253,268, 5–24–66, Cl. 340—174.
McLane, Martin M.: *See*—
Phillips, Victor D., Jr., and McLane. 3,283,803.
McLanty, Frank W. Rotary wing aircraft. 3,273,653, 9–20–66, Cl. 170—135.2.
McLaren, James C., and L. F. Niebergall, to Walker Mfg. Co. Filter with flow distributor. 3,272,342, 9–13–66, Cl. 210—440.
McLaren, Ronald R., A. T. Shepherd, and D. F. Walker, to Ferranti, Ltd. Apparatus for measuring movement of a cyclic wave pattern. 3,234,361, 2–8–66, Cl. 235—92.
McLarty, Frank W. Pennant and streamer display assemblies. 3,273,273, 9–20–66, Cl. 40—128.
McLarty, Shirley, to American Lighter Corp. Cigarette lighter. 3,280,597, 10–25–66, Cl. 67—7.1.
McLauchlan, John, to Houdaille Industries, Inc. Fender and fender shield assembly. 3,227,469, 1–4–66, Cl. 280—153.
McLaughlin, Carl B.: *See*—
Albro, Henry H., and McLaughlin. 3,255,775.
McLaughlin, Clarence L.: *See*—
Bracka, Bruno W., and McLaughlin. 3,244,384.
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Ets-Hokin, Jeremy M., Jenkins, Cox, Schug, and McLaughlin. 3,240,868.
McLaughlin, Emmett J., to Westinghouse Electric Corp. Switch device with illuminated switch handle. 3,294,945, 12–27–66, Cl. 200—167.
McLaughlin, Everett R., and E. R. Queer, to The Aluminum Association. Electrical continuity for aluminum siding. 3,289,365, 12–6–66, Cl. 52—173.
McLaughlin, George H.: *See*—
Dolan, William M., McLaughlin, and Brant. 3,263,160.
McLaughlin, Henry E.: *See*—
Wicke, Alfred F., Jr., McLaughlin, and Stump. 3,257,-438.
McLaughlin, James H.: *See*—
Fenske, Ellsworth R., and McLaughlin. 3,266,321.
McLaughlin, John J. Movable bed for belt conveyor. 3,289,-817, 12–6–66, Cl. 198—184.
McLaughlin, John W.: *See*—
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McLaughlin, Lawrence J.: *See*—
Licata, Joseph P., McLaughlin, and Warner. 3,269,450.
McLaughlin, Lawrence M.: *See*—
Googin, John M., and McLaughlin. 3,284,195.
McLaughlin, Robert B.: *See*—
Riddle, John B., and McLaughlin. 3,247,403.
Riddle, John B., and McLaughlin. 3,256,968.
McLaughlin, Robert B., and L. Prahm. Card-operated lock controller. 3,231,693, 1–25–66, Cl. 200—44.
McLaughlin, Robert C., to Motorola, Inc. Ignition system with inductor connected between breaker points and semiconductor device. 3,285,234, 11–15–66, Cl. 123—148.
McLaughlin, Robert C., to Motorola, Inc. Rectifier protecting circuit. 3,292,071, 12–13–66, Cl. 320—25.
McLaughlin, Russell B., and R. R. Sinclair., to AMP Inc. Corona-free high voltage cable. 3,244,800, 4–5–66, Cl. 174—120.
McLaughlin, William G.: *See*—
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McLaughlin, William R., to Picker X-Ray Corp. X-ray tube starter. 3,244,884, 4–5–66, Cl. 250—93.
McLaughlin, William T.: *See*—
Clancy, John V., and McLaughlin. 3,279,427.

McLaughlin, William T., and J. V. Clancy, to United States Steel Corp. Method of facing concrete pipe. 3,253,075, 5–24–66, Cl. 264—270.
McLean, Clarence F., J. C. and D. R. Inserted tooth saw. 3,288,180, 11–29–66, Cl. 143—145.
McLean, David A.: *See*—
Keller, Harry N., McLean, and Vromen. 3,294,653.
McLean, David A., to Bell Telephone Laboratories, Inc. Fabrication of electrodes from modular units. 3,286,136, 11–15–66, Cl. 317—230.
McLean, David W., and C. G. Easter, to Morgan Construction Co. Process for the quenching of hot rolled rods in direct sequence with rod mill. 3,231,432, 1–25–66, Cl. 148—12.
McLean, Derek C.: *See*—
Coulter, Michael O., and McLean. 3,250,017.
McLean, Dugald R.: *See*—
McLean, Clarence F., J. C. and D. R. 3,288,180.
McLean Engineering Laboratories: *See*—
Hay, Arthur D. 3,261,397.
McLean, George E., to Automatic Laboratories, Inc. Multizone metering. 3,227,807, 1–4–66, Cl. 179—7.1.
McLean, James C.: *See*—
McLean, Clarence F., J. C. and D. R. 3,288,180.
McLean, John A., to Westinghouse Electric Corp. Refrigeration apparatus. 3,248,893, 5–3–66, Cl. 62—156.
McLean, John B., and E. Morenoff, to United States of America, Air Force. Method and apparatus for storage and selective retrieval of magnetically recorded data. 3,229,877, 1–18–66, Cl. 226—8.
McLean, John C., to Honeywell Inc. Accelerometer calibration means. 3,241,355, 3–22–66, Cl. 73—1.
McLean, Robert: *See*—
Fiala, Lee G. 3,233,206.
McLean, Robert E., to Rival Mfg. Co. Can opener with improved single-action mechanism and cutter member support. Re. 26,074, 9–6–66, Cl. 30—9.
McLean, Robert E., to Rival Mfg. Co. Fully automatic power operated can opener. 3,253,334, 5–31–66, Cl. 30—4.
McLean, Robert E., to Rival Mfg. Co. Electric can opener with power pierce means. 3,277,570, 10–11–66, Cl. 30—4.
McLean, Ronald S. Safety spreader. 3,235,268, 2–15–66, Cl. 275—2.
McLean, Wayne W. Thong type handles for manually portable receptacles. 3,283,993, 11–8–66, Cl. 229—54.
McLean, William E.: *See*—
Swartz, Gaylord A., and McLean. 3,240,637.
McLean, William M., and K. D. Schreder, to General Dynamics Corp. Transistor amplifier with degenerative volume control utilizing a unijunction transistor. 3,254,308, 5–31,66, Cl. 330—28.
McLearn, Herbert M., and F. P. Skipper, to American Machinery Corp. Bulk produce box dumping device. 3,269,571, 8–30–66, Cl. 214—302.
McLeish, Francis J., and G. C. Pratt, to The Glacier Metal Co. Ltd. Plain bearings. 3,234,128, 2–8–66, Cl. 252—12.
McLeland, Harold H., to L. H. Schultz Mfg. Co. Material unloading device. 3,229,984, 1–18–66, Cl. 275—3.
McLellan, Kenneth L.: *See*—
Quady, John C., McLellan, and Schillreff. 3,236,202.
McLendon, Richard T. Tension pay-off mechanism for cable reels. 3,258,219, 6–28–66, Cl. 242—86.7.
McLeod, Alexander D.: *See*—
Van Ligten, Robert H., and McLeod. 3,241,082.
McLeod, Gerald L.: *See*—
Caruso, Paul J., Flynn, McLeod, Most, and Schlein. 3,268,332.
McLeod, Henry G., to E. I. du Pont de Nemours and Co. Chromium plated metal structures. 3,249,409, 5–3–66, Cl. 29—199.
McLeod, James W., Jr.: *See*—
Stark, John, Jr., Denton, and McLeod. 3,273,021.
McLeod, John W., and R. L. Champoux. Emergency fuel container for automotive vehicles. 3,270,797, 9–6–66, Cl. 158—46.5.
McLeod, Lloyd A.: *See*—
Darcy, Jules, Stewart, and McLeod. 3,231,547.
McLeod, Paul C.: *See*—
Henze, James C., and McLeod. 3,229,501.
McLeod, Paul C., Jr.: *See*—
Testerman, Maurice K., and McLeod. 3,273,377.
McLeod, Robert B.: *See*—
Broadway, Edgar R., and McLeod. 3,258,928.
McLeod, Stewart B., and R. E. Shelhart, to Dura Corp. Convertible top. 3,235,303, 2–15–66, Cl. 296—117.
McLin, Frank D., to Collins Radio Co. Modified heterodyne phase-lock frequency multiplier. 3,277,390, 10–4–66, Cl. 331—25.
McLintic, William J., to Thorn Electrical Industrial Ltd. Projection lamp having ellipsoidal-spherical reflector with vents therebetween. 3,257,574, 6–21–66, Cl. 313—113.
McLoad, Kenneth W., to Vector Cable Co. Method and apparatus for testing cable cores including means for causing the cable to twist about its longitudinal axis. 3,267,-369, 8–16–66, Cl. 324—54.
McLonnel, F. W., Ltd.: *See*—
Norton, Harry W. 3,242,675.
McLoughlin, Bernard J., to Imperial Chemical Industries Ltd. Amino-phenylethanolo. 3,253,034, 5–24–66, Cl. 260—570.6.
McLoughlin, Joseph R., to General Electric Co. Power cable conductor for reducing windage. 3,286,018, 11–15–66, Cl. 174—42.
McLoughlin, Joseph R., to General Electric Co. Covering for power line conductors to reduce windage corona loss and radio frequency interference. 3,286,020, 11–15–66, Cl. 174—42.
McLoughlin, Joseph R., and W. T. Starr, to General Electric Co. Porous conductor jacket. 3,286,019, 11–15–66, Cl. 174—42.
McLucas, John L., and D. E. Harris, to HRB-Singer, Inc. Apparatus to control steering, speed and coating application of pavement marker. 3,229,660, 1–18–66, Cl. 118—8.
McMahan, John R.: *See*—
Perret, Marcel A., and McMahan. 3,271,167.
McMahan, Kenton D. Centrifugal fluid pump. 3,243,102, 3–29–66, Cl. 230—117.
McMahan, Roy F., Jr.: *See*—
Hunt, Howard S., and McMahan. 3,263,955.
McMahan, Roy F., Jr., to American Metal Products Co. Pedestal bases. 3,273,842, 9–20–66, Cl. 248—188.7.
McMahan, Roy F., Jr., to American Metal Products Co. Pedestal base. 3,286,965, 11–22–66, Cl. 248—188.7.
McMahan, Roy F., Jr., and R. J. Botkin, to American Metal Products Co. Pedestal base. 3,286,964, 11–22–66, Cl. 248—188.7.
McMahon, Dennis P. Label retaining means for capsules, bottles, containers and the like. 3,293,787, 12–27–66, Cl. 40—306.
McMahon, Eugene J.: *See*—
Haigh, William F., and McMahon. 3,268,655.
McMahon, Howard O., and G. Felck III, to Arthur D. Little, Inc. Crystal forming and melting by varying applied pressure. 3,234,747, 2–15–66, Cl. 62—58.
McMahon, John G., deceased, by M. McMahon, administratrix, to Slide-O-Matic Corp. Method and apparatus for the assembly of slide fasteners. 3,234,637, 2–15–66, Cl. 264—87.
McMahon, Joseph F.: *See*—
Solomon, Ernest, and McMahon. 3,252,773.
McMahon, Joseph F., and E. Solomon, to Pullman Inc. Production of hydrogen-containing gases. 3,252,774, 5–24–66, Cl. 48—214.
McMahon, Lawrence E.: *See*—
Hansen, Robert D., and McMahon. 3,252,921.
McMahon, Mary: *See*—
McMahon, John G. 3,234,637.
McMahon, Robert E., to Massachusetts Institute of Technology. Magnetic memory core. 3,281,802, 10–25–66, Cl. 340—174.
McMahon, Terrence S., to General Electric Co. Supporting structure for waste disposal apparatus. 3,286,936, 11–22–66, Cl. 241—100.5.
McMahon, William J.: *See*—
Herzog, Richard F., Sauermann, and McMahon. 3,247,373.
Herzog, Richard F., Sauermann, and McMahon. 3,272,-984.
McMakin, Robert G. Vibration dampening well derrick frame. 3,256,660, 6–21–66, Cl. 52—299.
McManama, Charles E. Lumber edger saw assembly incorporated into a horizontal traversing bandsaw machine. 3,285,-301, 11–15–66, Cl. 143—1.
McMann, Renville H., Jr.: *See*—
Goldmark, Peter C., and McMann. 3,234,326.
Goldmark, Peter C., and McMann. 3,267,212.
McMann, Renville H., Jr., to Columbia Broadcasting System, Inc. High-resolution scanning system having low-resolution components. 3,234,327, 2–8–66, Cl. 178—6.8.
McMannis, Eugene E., to The Goodyear Tire & Rubber Co. Pneumatic tire and method of making same. 3,237,672, 3–1–66, Cl. 152—352.
McMannis, Eugene E., to The Goodyear Tire & Rubber Co. Pneumatic tire. 3,244,213, 4–5–66, Cl. 152—354.
McManus, Calvin J., and F. J. Upton, to Foster Wheeler Corp. Process for constructing a petroleum refinery. 3,274,745, 9–27–66, Cl. 52—745.
McManus, James M., to Chas. Pfizer & Co., Inc. Sulfamyl-semicarbazides. 3,245,982, 4–12–66, Cl. 260—239.
McManus, James M., W. M. McLamore, and G. D. Laubach, to Chas. Pfizer & Co., Inc. 1-(tertiary amino sulfonyl)-3-(hydrocarbon) ureas. 3,242,174, 3–22–66, Cl. 260—247.1.
McMaster, Archie J., R. K. Carlson, and S. B. McMaster, to G-M Laboratories Inc. Electrically operated portable device. 3,241,168, 3–22–66, Cl. 15—22.
McMaster, Elmer L.: *See*—
Nagle, Floyd B., and McMaster. 3,267,053.
McMaster, Harold A., to Permaglass, Inc. Means for releasing stresses produced in glass during cooling in a glass shaping mold. 3,253,899, 5–31–66, Cl. 65—289.
McMaster, Harold A., to Pittsburgh Plate Glass Co. Apparatus for positioning glass plates during laminating. 3,278,984, 10–18–66, Cl. 18—5.
McMaster, Harold A., to Permaglass, Inc. Thermally compensated bed for supporting glass sheets. 3,281,229, 10–25–66, Cl. 65—182.
McMaster, Harold A., to Permaglass, Inc. Conveying apparatus. 3,282,447, 11–1–66, Cl. 214—21.
McMaster, Harold A., to Permaglass, Inc. Apparatus for bending glass sheets. 3,291,590, 12–13–66, Cl. 65—182.
McMaster, Harold A., and N. C. Nitschke, to Permaglass, Inc. Apparatus for heat treating glass sheets. 3,249,415, 5–3–66, Cl. 65—160.
McMasters, Oburt O., F. H. Marshall, and H. O. Farrah. Mobile implement hitch. 3,292,948, 12–20–66, Cl. 280—412.

McMasters, Robert A., to Southeastern Metals Co. Pallet stacking rack. 3,257,974, 6–28–66, Cl. 108—53.
McMasters, Robert A., to Southeastern Metals Co. Tubular carrier for O-shaped objects and strand material. 3,292,-877, 12–20–66, Cl. 242—129.
McMaster, Robert C., J. P. Mitchell, and M. L. Rhoten, to The Ohio State University Research Foundation. Image intensifying X-radiation inspection system with periodic beam scanning. 3,280,253, 10–18–66, Cl. 178—6.8.
McMaster, Samuel B.: *See*—
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McMath, Paul L.: *See*—
Halter, Allan C., McMath, and Perrault. 3,269,160.
Perrault, Ralph E., Halter, and McMath. 3,287,946.
McMath, Paul L., and M. E. Nagy, to Allis-Chalmers Mfg. Co. Digital control for shear. 3,232,157, 2–1–66, Cl. 83—76.
McMath, Paul L., and R. E. Perrault, to Allis-Chalmers Mfg. Co. Motor load distributing system for metal rolling mill. 3,237,071, 2–22–66, Cl. 318—99.
McMickle, Ralph W.: *See*—
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McMillan, Andrew, to Rex Chainbelt Inc. Mixing machine. 3,228,664, 1–11–66, Cl. 259—178.
McMillan, Andrew, to Rex Chainbelt Inc. Mixing machine. 3,237,925, 3–1–66, Cl. 259—169.
McMillan Corp. of North Carolina, The: *See*—
McMillan, Edward B. 3,234,549.
McMillan, Edward B., to The McMillan Corp. of North Carolina. Absorber for radio waves. 3,234,549, 2–8–66, Cl. 343—18.
McMillan, Freeman H., and I. Pattison, to Warner-Lambert Pharmaceutical Co. 2-cycloalkylmethylamino-benzhydrols and benzophenones. 3,284,503, 11–8–66, Cl. 260—570.
McMillan, George W. Fluid pressure operated bottom hole pump. 3,288,081, 11–29–66, Cl. 103—234.
McMillan, Harry C., to The Boeing Co. Switch assembly for punch card readout devices. 3,233,051, 2–1–66, Cl. 200—46.
McMillan, Joseph D.: *See*—
Albrecht, Harold W., and McMillan. 3,246,128.
McMillan, Malcolm D., Jr., to McMillan Mfg. Co. Clamp for axial adjustment of a small motor shaft. 3,270,226, 8–30–66, Cl. 310—90.
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McMillan, Malcolm D., Jr. 3,270,226.
McMillan, Peter W., and B. P. Hodgson, to The English Electric Co. Ltd. Crystalline material and method of making the same. 3,231,456, 1–25–66, Cl. 161—146.
McMillan, Peter W., and B. P. Hodgson, to The English Electric Co. Ltd. Bonded metal-ceramic elements. 3,236,610, 2–22–66, Cl. 29—195.
McMillan, William J., to The Dow Chemical Co. Casting apparatus. 3,231,231, 1–25–66, Cl. 249—82.
McMillan, Wilmur M.: *See*—
Rising, Hawley K., Briggs, and McMillan. 3,241,119.
McMillen, Richard L., to The Lubrizol Corp. Sulfur- and halogen-containing compositions and process for preparing same. 3,231,558, 1–25–66, Cl. 260—139.
McMillen, Richard L., to The Lubrizol Corp. Basic metal-containing thickened oil compositions. 3,242,079, 3–22–66, Cl. 252—33.
McMiller, Urban C., to Karpak Co. Car top carrier device. 3,257,052, 6–21–66, Cl. 224—42.1.
McMinn, Curtis J., to Reynolds Metal Co. Cathode construction for aluminum production. 3,274,093, 9–20–66, Cl. 204—243.
McMinn, Robert E.: *See*—
McCarthy, Eugene L., McMinn, and Worley. 3,245,205.
McMorrow, Joseph L.: *See*—
Shockroo, James E., and McMorrow. 3,248,627.
McMullen, Edward W., to G-V Controls Inc. Electrothermal device for cyclic contact operation. 3,239,632, 3–8–66, Cl. 200—122.
McMullen, James M.: *See*—
Brunton, Donald C., and McMullen. 3,255,346.
Brunton, Donald C., and McMullen. 3,263,077.
McMullen, James M., to Industrial Nucleonics Corp. Yarn denier gauge with flutter effect elimination. 3,257,559, 6–21–66, Cl. 250—83.3.
McMullen, John J., Associates, Inc.: *See*—
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Field, Sheldon B. 3,270,702.
Field, Sheldon B. 3,270,703.
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Ripley, Kenneth C. 3,256,847.
Ripley, Kenneth C. 3,256,848.
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McMullen, Larry G., to Deere & Co. Supporting structure for an earth moving implement. 3,236,394, 2–22–66, Cl. 212—66.
McMullen, Wayne W. Means in a vehicle for maintaining coordination between the vehicle's turning and lateral sloping. 3,237,961, 3–1–66, Cl. 280—87.
McMullen, Wayne W. Control system for a material handling vehicle. 3,240,008, 3–15–66, Cl. 60—10.5.
McMullen, Wayne W. Truck having vertically movable trailer. 3,240,506, 3–15–66, Cl. 280—43.23.
McMullin, William B., to Reynolds Metals Co. Railing construction. 3,258,250, 6–28–66, Cl. 256—13.1.
McMurphy, John L.: *See*—
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Mercier, Jean and J. H.; said J. H. Mercier assor. to Mercier Olaer Patent Corp. Pressure vessel. 3,259,147, 7–5–66, Cl. 138—30.

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Meredith, Paul A.; 7½% to M. L. Anthony, 7½% to G. S. Hoban, and 12½% to G. W. and G. A. Butler. Bladder structures useful in therapeutic treatment. 3,288,132, 11–29–66, Cl. 128—24.

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Meredith, Robert A., K. A. Craig, Jr., and B. F. McAvoy, Jr., to Gulf Oil Corp. Explosive cartridge with rigid closure means. 3,246,602, 4–19–66, Cl. 102—24.

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Walker, Thomas, Meredith, and Ritchie. 3,234,227.
Walker, Thomas, Meredith, and Ritchie. 3,282,944.

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Merelis, Morris C., to Rose-Derry Co. Infant's car seat. 3,262,736, 7–26–66, Cl. 297—253.

Merenda, James. Archery bow holsters. 3,232,501, 2–1–66, Cl. 224—1.

Merendino, Alfred B., J. M. Regan, and S. Kronman, to United States of America, Army. Hypervelocity pellet projector. 3,267,853, 8–23–66, Cl. 102—24.

Meress, Henryk W., and M. R. Perpignani, to The Seeburg Corp. Pneumatically actuated vending mechanism. 3,254,794, 6–7–66, Cl. 221—124.

Meress, Henryk W., and M. R. Perpignani, to The Seeburg Corp. Magazine structures for vending machines. 3,282,466, 11–1–66, Cl. 221—124.

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Merges, Herbert A., H. G. Krestin, and E. Becker. Pulverizer with basket-type rotor. 3,289,952, 12–6–66, Cl. 241—49.

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Mergner, Fritz L., and H. K. Heinz, to Fisher Radio Corp. Receivers of stereophonic programs from a single multiplex transmitting station. 3,290,443, 12–6–66, Cl. 179—15.

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Merila, John B. Automobile ignition key holder. 3,292,400, 12–20–66, Cl. 70—414.

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Block, Aleck, and Purcell. 3,270,468.

Merkel, Charles M., and T. H. Brugh, to Continental Gin Co. Fixed box cotton press. 3,252,409, 5–24–66, Cl. 100—223.

Merkel, Fred J., to General Precision, Inc. Variable optical wedge. 3,253,525, 5–31–66, Cl. 95—12.5.

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Merkel, Stephen L., to Lorain Products Corp. Pass or fail transistor tester for indicating the combined result of BVcmo and spurious oscillation tests. 3,237,104, 2–22–66, Cl. 324—158.

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Merker, William T., and N. W. Shatzel, to American Optical Co. Lens aligning and blocking apparatus. 3,257,686, 6–28–66, Cl. 18—5.

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Merkl, George G., to Tung-Sol Electric Inc. Time-delay snap-switch. 3,273,137, 9–13–66, Cl. 340—310.

Merkl, George G., to Tung-Sol Industries, Inc. Time delay snap switch with bimetallic pull ribbon. 3,291,936, 12–13–66, Cl. 200—113.

Merkl, Lloyd D., E. N. Popovich, and O. E. Werner, to Mayville Metal Products Co. Adjustable gasket support for BFI shielded cabinets. 3,240,862, 3–15–66, Cl. 174—35.

Merkle, Leonard S. Apparatus for warming the fluid of a vehicle window washer system. 3,243,119, 3–29–66, Cl. 237—12.3.

Merkle, Ralph H., to General Motors Corp. Toggle actuating link brake assembly. 3,243,018, 3–29–66, Cl. 188—78.

Merklin, Kenneth E., to Pickands Mather & Co. Pelletising relatively coarse iron minerals. 3,254,985, 6–7–66, Cl. 75—3.

Merle, Richard T. Time delay circuit control system for vehicle lights. 3,244,899, 4–5–66, Cl. 307—10.

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Merlin, Andre E. C., to A. Francois. Methods of shaping metal expansion bellows. 3,266,946, 8–16–66, Cl. 148—11.5.

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Merlo, Angelo L.: *See*—
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Merner, Jack N., to Burroughs Corp. Digital divider for integer and remainder division operations. 3,254,204, 5–31–66, Cl. 235—160.

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Merrell, Richard L., and A. J. Misenti, to General Motors Corp. Seat belt retractor. 3,273,822, 9–20–66, Cl. 242—107.4.

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Merrett, John, to The Hoover Co. Induction heating coil. 3,275,784, 9–27–66, Cl. 219—10.79.

Merriam, Ann S., to Radio Corp. of America. Asynchronous binary counter circuits. 3,238,461, 3–1–66. Cl. 328—41.

Merriam, Richard S. Heavy duty caster. 3,283,358, 11–8–66, Cl. 16—20.

Merriam, Robert C. Helmet for water sports. 3,274,612, 9–27–66, Cl. 2—3.

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Merrill, Edward M., to Cutting Room Appliances Corp. Cloth laying machine having intermittent positive feeding means. 3,284,017, 11–8–66, Cl. 242—75.43.

Merrill, Edward W., to W. R. Grace & Co. Strip sealing gaskets for containers. 3,227,302, 1–4–66, Cl. 215—40.

Merrill, Edward W., to W. R. Grace & Co. Tamper-proof closures. 3,244,307, 4–5–66, Cl. 215—46.

Merrill, Edward W., to W. R. Grace & Co. Apparatus for applying sealing elements to closures. 3,263,318, 8–2–66, Cl. 29—212.

Merrill, Edward W., to W. R. Grace & Co. Method of molding sealing gaskets for containers. 3,264,393, 8–2–66, Cl. 264—236.

Merrill, Elwyn E., S. S. Tabol, E. W. Veazey, and W. E. Rittenhouse, to The Dow Chemical Co. Method for producing foamed sheet material having essentially equal tensile properties. 3,248,462, 4–26–66, Cl. 264—53.

Merrill, George E. Apparatus for producing potable water from saline water. 3,269,920, 8–30–66, Cl. 202—173.

Merrill, George E. Method and apparatus for transporting potable water to relatively arid areas. 3,289,415, 12–6–66, Cl. 61—1.

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Merrill, Olonzo D., Jr., to E. I. du Pont de Nemours and Co. Unwinding apparatus. 3,275,262, 9–27–66, Cl. 242—128.

Merrill, Phillip E. Thermal trigger and member triggered thereby. 3,291,216, 12–13–66, Cl. 169—39.

Merrill, Phillip E., D. C. Barnett, and E. R. Plasko, to Micro Devices Corp. Thermal switch having temperature sensitive pellet and movable contact. 3,291,945, 12–13–66, Cl. 200—142.

Merrill, Richard E., and D. B. Rising, to Arthur D. Little, Inc. Method for applying metallic flake material to a substrate. 3,264,132, 8–2–66, Cl. 117—31.

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Wayson, Andrew J., and O'Connell. 3,293,841.

Merriman, Peter: *See*—
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Merriman, Tom M., and R. M. Johnson. Safety pad. 3,253,859, 5–31–66, Cl. 297—937.

Merriman, Wayne R., to The Dow Chemical Co. Boiler protection. 3,235,324, 2–15–66, Cl. 21—2.7.

Merriman, William W. Mobile platform. 3,282,376, 11–1–66, Cl. 182—17.

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Merritt, Donald E.: *See*—
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Merritt, George I., to Radio Corp. of America. Method of manufacturing heaters for electron discharge devices. 3,280,452, 10–25–66, Cl. 29—155.62.

Merritt, Henry E., to Merritt & Co. (Engineering Ltd.). Variable-ratio toothed gearing mechanisms. 3,267,763, 8–23–66, Cl. 74—422.

Merritt, James F.: *See*—
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Merritt James F., to Radio Corp. of America. F.M. stereophonic receiver using an insulated-gate-field-effect transistor for combining the subcarrier and composite waves. 3,264,413, 8–2–66, Cl. 179—15.

Merritt, James F., to Radio Corp. of America. Stereophonic FM receivers having automatic switching means for stereo reception. 3,294,912, 12–27–66, Cl. 179—15.

Merritt, Joseph W., to Hahn, Inc. Drop stabilizer. 3,235,187, 2–15–66, Cl. 239—588.

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Merritt, Robert B., and R. M. Trewhella, to General Electric Co. Sealed electrical assembly. 3,275,901, 9–27–66, Cl. 317—230.

Merritt, Thomas W., Sr., C. A. Thomas, and R. J. Shulick, to Babson Bros. Co. Vacuum positioned milk transfer system. 3,292,580, 12–20–66, Cl. 119—14.46.

Merritt, William M., Jr. Pipe handling means. 3,257,099, 6–21–66, Cl. 254—105.

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Merry, Jack D., and C. H. Vondracek, to Westinghouse Electric Corp. Insulated electrical members and process for producing the same. 3,253,952, 5–31–66, Cl. 117—215.

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Merryfield, George E., and J. T. Cabbage, to Phillips Petroleum Co. Process for producing cyclohexane. 3,233,001, 2–1–66. Cl. 260—666.

Mers, Herman. Egg container. 3,269,634, 8–30–66, Cl. 229—2.5.

Mersek, Leo D., to The Ajax Mfg. Co. Apparatus for drawing linear stock. 3,260,084, 7–12–66, Cl. 72—20.

Mersek, Leo D., to The Ajax Mfg. Co. Wire drawing apparatus. 3,260,085, 7–12–66, Cl. 72—20.

Mersereau, Everard C., to Ellcon-National, Inc. Hand brake mechanisms. 3,238,810, 3–8–66, Cl. 74—505.

Mersereau, Everard C., to R. M. Holloway, and R. L. Ludington. Slack adjuster. 3,283,861, 11–8–66, Cl. 188—196.

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Merten, Rudolf, to Farbenfabriken Bayer Aktiengesellschaft. Tetrahydropyrimidin-2-ones. 3,236,848, 2–22–66, Cl. 260—251.

Merten, Rudolf, to Farbenfabriken Bayer Aktiengesellschaft. Di-urethanes and processes for their production. 3,277,098, 10–4–66, Cl. 260—287.

Merten, Rudolf, O. Bayer, and G. Braun, to Farbenfabriken Bayer Aktiengesellschaft. Method for preparing cellular polyurethane plastics. 3,252,924, 5–24–66, Cl. 260—2.5.

Merten, Rudolf, and O. Bayer, to Farbenfabriken Bayer Aktiengesellschaft. Preparation of cellular polyurethane plastics. 3,252,925, 5–24–66, Cl. 260—2.5.

Merten, Rudolf, and K. Wagner, to Farbenfabriken Bayer Aktiengesellschaft. Polymer prepared by reacting an acetal, propylene oxide and styrene with boron trifluoride diethyl etherate catalyst. 3,264,266, 8–2–66, Cl. 260—73.

Merten, Rudolf, G. Braun, and H.-J. Hennig, to Farbenfabriken Bayer Aktiengesellschaft. Polyurethane plastics prepared from a nitrogen containing polyol. 3,284,377, 11–8–66, Cl. 260—2.5.

Mertens, Edward W., to Chevron Research Co. Asphalt emulsions. 3,240,716, 3–15–66, Cl. 252—311.5.

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Mertler, Charles S., to Stevens Mfg. Co., Inc. Wafer thin thermostat. 3,256,413, 6–14–66, Cl. 200—138.

Mertler, Charles S., to Stevens Mfg. Co., Inc. Thermally shielded thermostatic switch. 3,257,528, 6–21–66, Cl. 200—138.

Mertler, Charles S., to Stevens Mfg. Co., Inc. Thermostatic switch with heat collector member. 3,284,599, 11–8–66, Cl. 200—136.5.

Mertler, Charles S., to Stevens Mfg. Co., Inc. Elongated thermostatic control. 3,284,600, 11–8–66, Cl. 200—140.

Mertler, Charles S., and L. G. Smith, to Stevens Mfg. Co., Inc. Thermal probe. 3,241,370, 3–22–66, Cl. 73—352.

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Mertz, Lawrence N., and N. O. Young, to Block Engineering, Inc. Dispersive spectrometric modulation simulating interferometry. 3,246,557, 4–19–66, Cl. 88—14.

Mertz, Lawrence N., and N. O. Young, to Block Engineering, Inc. Method for forming an image of an invisible radiation pattern and apparatus for copying the image. 3,263,079, 7–26–66, Cl. 250—65.

Mertzweiller, Joseph K., and H. M. Tenney, to Esso Research and Engineering Co. Oxo process for producing alcohols from olefins. 3,255,259, 6–7–66, Cl. 260—638.

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Merz, Gerhard, to International Standard Electric Corp. Method and circuit arrangement for improving the operating reliability of electronically controlled telecommunication switching systems. 3,256,513, 6–14–66, Cl. 340—146.1.

Merz, Herbert, K. Freter, H.-D. Shroeder, and K. Zelle, to Boehringer Ingelheim G.m.b.H. 1-(phenyl-hydrocarbyl)-4-hydroxyphenyl-4-carbalkoxy-piperidines. 3,242,170, 3–22–66, Cl. 260—240.

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Merz, Richard C., and K. Jans. Climbing device for poles and the like. 3,283,852, 11–8–66, Cl. 182—92.

Merz, Richard E., and E. P. Casbman, to Esso Research and Engineering Co. Compositions containing wax and either a wax-naphthalene condensation product or certain fumarate ester containing polymers. 3,246,963, 4–19–66, Cl. 44—7.5.

Merz, Rudolf, to Crosman Arms Co., Inc. Gas-powered gun. 3,261,341, 7–19–66, Cl. 124—11.

Merz, Wolfgang, E. Nebe, and H. Toussaint, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Purification of crude aqueous glyoxal solutions. 3,270,062, 8–30–66, Cl. 260—601.

Merzon, Joseph. Hair clipper with adjustable auxiliary comb. 3,237,304, 3–1–66, Cl. 30—201.

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Meschino, Joseph A., to McNeil Laboratories, Inc. Pyridyl propionitrile and pyridyl propionamide derivatives. 3,254,092, 5–31–66, Cl. 260—294.9.

Meschino, Joseph A., to McNeil Laboratories, Inc. Piperazine derivatives. 3,268,534, 8–23–66, Cl. 260—268.

Meschino, Joseph A., to McNeil Laboratories, Inc. Hexahydro-9-acridanols. 3,278,538, 10–11–66, Cl. 260—279.

Meschino, Joseph A., to McNeil Laboratories, Inc. Hexahydro-9-acridanones. 3,278,539, 10–11–66, Cl. 260—279.

Mesco, Bernard. Thermally controlled shut-off valve for shower heads. 3,291,391, 12–13–66, Cl. 236—93.

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Meserole, Robert H., R. E. Slack, R. E. Smith, J. J. Verdine, to Johns-Manville Corp. Thermal insulating structure. 3,282,011, 11–1–66, Cl. 52—573.

Meshberg, Philip. Material dispensing package. 3,254,803, 6–7–66, Cl. 222—182.

Meshberg, Philip. Actuator for dispensing package. 3,272,391, 9–13–66, Cl. 222—162.

Meshberg, Philip. Actuator and closure for dispensing package. 3,272,392, 9–13–66, Cl. 222—162.

Meshew, Allan D., to Aztec Mfg. Co. Manhole cover handling device. 3,275,299, 9–27–66, Cl. 254—131.

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Mesnager, Jacques J. E., to Societe Anonyme dite: Societe Anonyme des Ateliers & Chantiers de la Seine. Mounting means for tanks. 3,251,501, 5–17–66, Cl. 220—15.

Mesniere, Marc, to Nord-Aviation Societe Nationale de Constructions Aeronautiques. VTOL aircraft having freely pivoted propulsion means. 3,284,027, 11–8–66, Cl. 244—12.

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Messelt, Stephen J., and W. S. Paige, to Perkin-Elmer Corp. Object position predictor using function generators. 3,227,887, 1–4–66, Cl. 250—220.

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Messenger, Charles A., and A. E. Marygold, to General Radiotelephone Co. Amplitude modulation to single or double sideband suppressed carrier converter. 3,284,711, 11–8–66, Cl. 325—103.

Messenger, Harold R., to United Aircraft Corp. Contamination system. 3,285,272, 11–15–66, Cl. 137—256.

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Messen-Jaschin, Gregori: *See*—
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Messer, Chester R., to Page Belting Co. Molded check strap. 3,282,302, 11–1–66, Cl. 139—161.

Messer, Chester R., to Page Belting Co. Check strap assembly. 3,288,174, 11–29–66, Cl. 139—161.

Messerli, Hans, and X. Wyss, to Etablissement Patewag. Machine for producing uniform incisions or cuts in fur skins or pelts. 3,230,805, 1–25–66, Cl. 83—133.

Messerschmidt, Sebastian. Device for lapping and grinding balls. 3,250,042, 5–10–66, Cl. 51—116.

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Messerschmitt, Willy, to Messerschmitt AG. Rotor blade construction for aircraft. 3,249,160, 5–3–66, Cl. 170—160.11.

Messerschmitt, Willy, to Messerschmitt AG. Mounting of dual cycle propulsion units in the tail of an aircraft. 3,251,567, 5–17–66, Cl. 244—74.

Messerschmitt, Willy, to Messerschmitt AG. Ducted fan arrangement for aircraft. 3,282,053, 11–1–66, Cl. 60—263.

Messier, Francis L., to Norton Co. Grinding machine for finishing crankshafts. 3,247,618, 4–26–66. Cl. 51—5.

Messick, Raymond R., to United States of America, Atomic Energy Commission. Air cooling unit for protective clothing and the like. 3,291,126, 12–13–66, Cl. 128—142.4.

Messina, Joseph F., to United States of America, Army. Lubricating grease composition for missile systems. 3,262,879, 7–26–66, Cl. 252—28.

Messina, Nicholas V.: *See*—
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Messina, Ralph P., to Colgate-Palmolive Co. Process for preparing an aluminum sulfate-aluminum chlorhydrate antiperspirant cream. 3,235,458, 2–15–66, Cl. 167—90.

Messina, Salvatore J., and J. H. Pulliam. Explosive spearhead. 3,274,936, 9–27–66, Cl. 102—48.

Messineo, Paul J., to Radio Corp. of America. Variable density layers of particles and method of preparing them. 3,248,218, 4–26–66, Cl. 96—35.

Messineo, Paul J., and S. M. Thomsen, to Radio Corp. of America. Luminescent screens utilizing nonluminescent separator layers. 3,294,569, 12–27–66, Cl. 117—33.5.

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Messner, Georg, to Oronzio de Nora Impianti Elettrochimici. Mercury cathode electrolytic cell having an anode with high corrosion-resistance and high electrical and heat conductivity. 3,271,289, 9–6–66, Cl. 204—219.

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Mestre, Luis. Control mechanism for lithographic printing press. 3,279,371, 10–18–66, Cl. 101—352.

Mestre, Luis. Mounting and operating means for inking unit and plate cylinder of a press. 3,286,622, 11–22–66, Cl. 101—218.

Mestwerdt, Hermann R., and W. R. Rambauske, to United States of America, Air Force. Image intensifier device with mirror on rear surface, photocathode on front surface, and fiber optics in center of rear surface. 3,229,105, 1–11–66, Cl. 250—213.

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Metcalf, Joe S., and C. Y. Shen, to Monsanto Co. Trimetaphosphate processes. 3,230,040, 1–18–66, Cl. 23—106.

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Metcalfe, Kenneth A., R. J. Wright, and R. V. Wissell, to The Commonwealth of Australia, care of the Secretary, Department of Supply. Process for producing images in electrophotography and radiography. 3,249,430, 5–3–66, Cl. 96—1.

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Metlesics, Werner, and L. H. Sternbach, to Hoffmann-La Roche Inc. Certain substituted dibenzo diazocines and their preparation. 3,243,430, 3–29–66, Cl. 260—239.

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Metlesics, Werner, and L. H. Sternbach, to Hoffmann-La Roche Inc. Derivatives of 4b,5,9b,10 tetrahydro-4,9-diphenylindolo-[3,2-b]indole and process for their preparation. 3,282,958, 11–1–66, Cl. 260—326.9.

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Metrailler, William J., to Esso Research and Engineering Co. Fluidized bed operations. 3,293,171, 12–20–66, Cl. 208—163.

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Metro, Stephen J., E. M. Hoffman, and A. H. Matussak, to Esso Research and Engineering Co. Fatty acid esters of polyhydric alcohols. 3,282,971, 11–1–66, Cl. 260—410.6.

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Wales, Nathaniel B., Jr. 3,273,091.

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Mettler, Gordon E. Spring actuated fly swatter. 3,292,299, 12–20–66, Cl. 43—135.

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Metz, Paul, to A.R.B.E.D., Acieries Reunies de Burbach-Eich-Dudelange. Process for making refractory articles. 3,250,832, 5–10–66, Cl. 264—27.

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Metz, Ramey B., and S. M. Kerber, to Tamar Electronics Industries, Inc. Capacitive sensing device. 3,230,519, 1–18–66, Cl. 340—258.

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Meurer, Heinz-Hubert, to Loewe Opta G.m.b.H. Portable television receiver including measuring device. 3,272,920, 9–13–66, Cl. 178—7.9.

Meurer, Siegfried, to Maschinenfabrik Augsburg-Nurnberg AG. Fuel injection internal combustion engine. 3,244,159, 4–5–66, Cl. 123—32.

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Mevel, Norbert, to Societe d'Etudes Chimiques Pour l'Industries et l'Agriculture S.E.C.P.I.A. Fire extinguishing composition. 3,274,105, 9–20–66, Cl. 252—2.

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Mews, Gunter. Control device for signalling a predetermined time period of flow of current between two terminals. 3,290,569, 12–6–66, Cl. 340—267.

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Mey, Hansjuerg, to Gretag Aktiengellschaft. Photographic copying apparatus. 3,263,556, 8–2–66, Cl. 88—24.

Mey, Hansjuerg, to Gretag Aktiengesellschaft. Step-by-step feed system for photocopying apparatus. 3,288,046, 11–29–66, Cl. 95—75.

Mey, Hansjuerg, to Gretag Aktiengesellschaft. Photographic printing machine for at least two different sizes of negative and positive. 3,292,485, 12–20–66, Cl. 88—24.

Mey, Hansjuerg, to Gretag Aktiengesellschaft. Apparatus for reversing colour images. 3,292,486, 12–20–66, Cl. 88—24.

Mey, Hansjuerg, R. Zeindler, and J. Bertele, to Gretag Aktiengesellschaft. Holder for originals to be printed, particularly in automatic photographic printing machines. 3,263,587, 8–2–66, Cl. 95—76.

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Meyer, Adolph E., to Kerr-McGee Oil Industries, Inc. Method of acid leaching uranium ores. 3,250,589, 5–10–66, Cl. 23—14.5.

Meyer, Adolph E., and M. B. Goren, to Kerr-McGee Oil Industries, Inc. Obtaining uranium values from burnt lignites. 3,272,620, 9–13–66, Cl. 75—84.1.

Meyer, Albrecht E.: *See*—
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Meyer, Andre J., to Martin-Marietta Corp. Method of constructing missile tank having pretensioned sidewall. 3,246,394, 4–19–66, Cl. 29—446.

Meyer, Andre J., to Martin-Marietta Corp. Missile tank having buckling resistant, pretensioned sidewall. 3,246,788, 4–19–66, Cl. 220—5.

Meyer, Andre J. Rotary liquid piston machines. 3,275,222, 9–27–66, Cl. 230—116.

Meyer, Andre J., Jr.: *See*—
Faget, Maxime A., Meyer, Chilton, Blanchard, Kehlet, Hammack, and Johnson. 3,270,908.

Meyer, Andre J., Jr., to United States of America, National Aeronautics and Space Administration. Ablation structures. 3,270,503, 9–6–66, Cl. 60—35.6.

Meyer, Armin, and W. Anderau, to Ciba Ltd. Process for the preparation of multi-colored images by the silver dyestuff bleaching method. 3,278,303, 10–11–66, Cl. 96—20.

Meyer, Arnfried. Press for textile goods. 3,256,721, 6–21–66, Cl. 68—241.

Meyer, August, to Siemens-Schuckertwerke Aktiengesellschaft. Method and apparatus for scoring semiconductor plates to be broken into smaller bodies. 3,230,625, 1–25–66, Cl. 33—32.

Meyer, Betty: *See*—
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Meyer, Bruce E. Ski slide. 3,233,893, 2–8–66, Cl. 272—56.5.

Meyer, Burton C.: *See*—
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Glass, Marvin I., Disko, and Meyer. 3,235,259.
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Meyer, Carl R. Shade umbrella. 3,285,203, 11–15–66, Cl. 108—50.

Meyer, Carl X.: *See*—
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Wince, Vearl S., and Meyer. 3,275,822.

Meyer, Charles F., and J. J. Eckl, to Square D Co. Solid state resistance welder control system. 3,243,652, 3–29–66, Cl. 315—194.

Meyer, Charles F., and J. J. Eckl, to Square D Co. Solid state sequencing and timing circuit. 3,267,303, 8–16–66, Cl. 307—141.

Meyer, David A.: *See*—
Lewis, Frederick W., Meyer, and Pernula. 3,233,048.

Meyer, Delbert H.: *See*—
Olsen, George P., and Meyer. 3,265,729.

Meyer, Delbert H., to Standard Oil Co. Recovery of trimellitic acid product. 3,261,846, 7–19–66, Cl. 260—346.4.

Meyer, Delbert H., to Standard Oil Co. Process for purifying terephthalic acid. 3,288,849, 11–29–66, Cl. 260—525.

Meyer, Donald K.: *See*—
Clausen, Ralph L., and Meyer. 3,271,144.

Meyer, Donald R.: *See*—
Meyer, Otto E., Sr., and Meyer. 3,227,855.

Meyer, Donald W.: *See*—
Nelson, Oscar C. and E. V. 3,261,095.

Meyer, Edouard: *See*—
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Meyer, Edward M., to General Electronic Laboratories, Inc. Teaching apparatus and method using sounding recording. 3,280,271, 10–18–66, Cl. 179—100.2.

Meyer, Edwin L., and J. W. Robertson. Hanger. 3,286,845, 11–22–66, Cl. 211—34.

Meyer, Edwin W.: *See*—
Circle, Sidney J., and Meyer. 3,268,335.

Meyer, Emilio G., to Mine Safety Appliances Italiana, S.p.A. Paramagnetic gas analyzer. 3,292,421, 12–20–66, Cl. 73—27.

Meyer, Engelbert A., to Chicago United Products Co., Inc. Pivot clamp mounting. 3,235,902, 2–22–66, Cl. 16—140.

Meyer, Engelbert A., to Chicago United Products Co., Inc. Automobile trim assembly. 3,239,988, 3–15–66, Cl. 52—718.

Meyer, Engelbert A., to Chicago United Products Co., Inc. Fastener assembly. 3,246,440, 4–19–66, Cl. 52–713.

Meyer, Engelbert A., to General Motors Corp. Molding fastener. 3,248,995, 5–3–66, Cl. 85—9.

Meyer, Engelbert A., to Chicago United Products Co., Inc. Adaptor clip for fastener assembly. 3,290,852, 12–13–66, Cl. 52—717.

Meyer, Ernst, K. Wenke, and G. Lenhard, to Badische Anilin & Soda-Fabrik Aktiengesellschaft. Method, means and apparatus for automatic codification storage and retrieval of topologically representable schemes and structures. 3,256,422, 6–14–66, Cl. 235—61.11.

Meyer, Erwin H.: *See*—
Blauth, Erich W., Melzner, and Meyer. 3,258,591.
Blauth, Erich W., Melzner, and Meyer. 3,258,592.

Meyer, Eugen, to Brown, Boveri & Cie. Aktiengesellschaft. Terminal member for liquid cooled rotor winding. 3,255,298, 6–7–66, Cl. 174—8.

Meyer, Ferdinand C., to Monsanto Co. Heat and light stable halogen-containing resins stabilized by trialkyl tin propiolates. 3,252,929, 5–24–66, Cl. 260—23.

Meyer, Fred J., and R. M. Gooch, to The Dow Chemical Co. Wood adhesive and composite products obtained therefrom. 3,239,408, 3–8–66, Cl. 161—250.

Meyer, Franz-Josef: *See*—
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Meyer, Geo., J., Mfg. Co.: *See*—
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Copping, Bruce G. 3,227,271.
Copping, Bruce G. 3,239,991.

Meyer, George C. Float switch for swimming pools. 3,263,041, 7–26–66, Cl. 200—84.

Meyer, Gerald R., assor. to himself and R. I. Ward, as joint tenants with right of survivorship. Hoisting truck having boom means comprising a tension fulcrum bar. 3,275,296, 9–27–66, Cl. 254—8.

Meyer, Gerhard: *See*—
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Bair, Lester E., Meyer, and Kramer. 3,255,607.
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Meyer, Gerson, to Life-Like Products Inc. All-plastic heat insulated jug. 3,265,250, 8–9–66, Cl. 222—131.

Meyer, Gilbert F. Frictional gas cup assembly for welding gun. 3,230,342, 1–18–66, Cl. 219—130.

Meyer, Gilbert F., to Machinery and Welder Corp. Welding torch for continuous wire feed. 3,249,734, 5–3–66, Cl. 219—130.

Meyer, Hans: *See*—
Meyer, Peter and H. 3,252,484.

Meyer, Harry K., to Gould-National Batteries, Inc. Method of making an expander. 3,284,880, 11–15–66, Cl. 29—156.6.

Meyer, Heinz W., to Elektrochemische Werke Munchen Aktiengesellschaft. Polyester-vinyl monomer compositions containing hydrogen peroxide. 3,249,574, 5–3–66, Cl. 260—30.4.

Meyer, Henry F., to The Monarch Machine Tool Co. Selector circuit. 3,273,023, 9–13–66, Cl. 317—134.

Meyer, Herbert C. A., R. L. Milloch, V. Shreeram, and T. Tsuzuki, to American Maize-Products Co. Starch phosphate film composition and method of dressing wounds with same. 3,238,100, 3–1–66, Cl. 167—58.

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Meyer, Jerry A., to General Electric Co. Stabilizer arm for phonographs. 3,292,934, 12–20–66, Cl. 274—10.

Meyer, John A., and C. S. Ingraham, to United States of America, Navy. Flotation apparatus and electrical control therefor. 3,257,672, 6–28–66, Cl. 9—8.

Meyer, John C., to Jonathan Mfg. Co. Sliding support with adjustable shock block. 3,258,299, 6–28–66, Cl. 308–3.8.

Meyer, John F., and E. J. Zalewski, to Schenectady Chemicals, Inc. Coating compositions of a dibasic polycarboxylic acid tris (2-hydroxyethyl) isocyanurate polyester and a phenol-formaldehyde resin. 3,249,578, 5–3–66, Cl. 260—33.4.

Meyer, John L., and W. Workman, Jr., to Gardner-Denver Co. Fluid conductor and take-off apparatus. 3,283,777, 11–8–66, Cl. 137—322.

Meyer, John W., to Meyer & Wenthe, Inc. Inking device for notarial seals and the like. 3,279,359, 10–18–66, Cl. 101—1.

Meyer, Joseph H. Land and air transportation system. 3,289,981, 12–6–66, Cl. 244—137.

Meyer, Julius E. K., and J. G. Sibakin, to The Steel Co. of Canada, Ltd. Process for the reduction of iron oxide. 3,235,375, 2–15–66, Cl. 75—34.

Meyer, Karl-Heinz: *See*—
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Meyer, Karl-Heinz, S. Schutz, K. Stoepel, and H.-G. Kroneberg, to Farbenfabriken Bayer Aktiengesellschaft. Cardenolide-, dihydrocardenolide-, bufadienolide- and tetrahydrobufadienolide-guanylhydrazones, their production and use. 3,257,392, 6–21–66, Cl. 260—239.57.

Meyer, Kenneth H., and W. E. Hesse, to Flo-Tork, Inc. Fluid actuated structure. 3,255,806, 6–14–66, Cl. 160—188.

Meyer, Kenneth I., to Sperry Rand Corp. Load current indicator including a transformer couple suppressed glow discharge device. 3,258,693, 6–28–66, Cl. 324—122.

Meyer, Kenneth I., and E. Beck, to Sperry Rand Corp. Conversion and ballast unit. 3,275,922, 9–27–66, Cl. 321—15.

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Meyer, Lester L. Attachment for drill. 3,248,973, 5–3–66, Cl. 77—14.

Meyer, Lester L. Steering mechanism for a tractor. 3,249,366, 5–3–66, Cl. 280—87.

Meyer, Louis W., and C. J. Macalusa, to The Dow Chemical Co. Parison extrusion die. 3,281,896, 11–1–66, Cl. 18—14.

Meyer, Luther W., and J. J. Van Gompel. Paper roll straightener. 3,292,903, 12–20–66, Cl. 254—124.

Meyer, Manfred, to North American Philips Co., Inc. Deflection circuit with VDR feedback means. 3,233,143, 2–1–66, Cl. 315—27.

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Meyer, Melanethon H., and T. L. Fawick. Ventilated roof construction. 3,236,170, 2–22–66, Cl. 98—42.

Meyer, Norbert J.: *See*—
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Meyer, Otto. Shutoff valve. 3,240,466, 3–15–66, Cl. 251—31.

Meyer, Otto E., Sr., and D. R. Meyer, to Meyer Laboratories, Inc. Methods and apparatus for electrically piercing microscopic holes in dielectric materials. 3,227,855, 1–4–66, Cl. 219—384.

Meyer, Paul E., to National Tank Co. De-sanding emulsion treater. 3,273,318, 9–20–66, Cl. 55—175.

Meyer, Peter and H. Fabric containing a thermoplastic component. 3,252,484, 5–24–66, Cl. 139—426.

Meyer, Phillip A. Filters of superimposed rods. 3,251,470, 5–17–66, Cl. 210—184.

Meyer, Raymond J., J. K. Jensen, and P. D. Wetrich, to Deere & Co. Transmission. 3,274,858, 9–27–66, Cl. 74—761.

Meyer, Richard C., and J. A. White, to United Aircraft Corp. Time interval measuring apparatus including a beam intersecting scanning means for determining the parameters of a beam of charged particles. 3,268,812, 8–23–66, Cl. 324—71.

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Meyer, Robert F., and B. L. Cummings, to Parke, Davis & Co. 2-halo-5-(1,3,4-oxadiazoline-2-yl) - benzenesulfonamide compounds. 3,246,007, 4–12–66, Cl. 260—307.

Meyer, Robert F., and B. L. Cummings, to Parke, Davis & Co. 2-methylsemicarbazides and means for producing the same. 3,280,187, 10–18–66, Cl. 260—554.

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Meyer, Robert K., and P. Weinhardt, to Western Electric Co., Inc. Apparatus for testing capacitors for leakage current and simultaneously for indicating whether reliable electrical contact is made thereto. 3,268,809, 8–23–66, Cl. 324—60.

Meyer, Robert W. Tube dispensing device. 3,291,344, 12–13–66, Cl. 222—78.

Meyer, Ronald K. Examination light. 3,275,814, 9–27–66, Cl. 240—2.18.

Meyer, Rudolf X., to The Aerospace Corp. Plasma generator and propulsion exhaust system. 3,232,046, 2–1–66, Cl. 60—35.5.

Meyer, Rudolf X., P. A. Scherer, and V. Bush, to P. A. Scherer. Constant lift system for [craft] foils. Re. 26,059, 7–5–66, Cl. 114—66.5.

Meyer, Rudolf X., A. E. Fuhs, and A. B. Schaffer, to TRW Inc. Apparatus for measuring the electrical properties of a conductive moving fluid. 3,249,869, 5–3–66, Cl. 324—40.

Meyer, Stanley, Sr. Smoker's article. 3,259,137, 7–5–66, Cl. 131—186.

Meyer, Svend S, to Danske Securitas A/S. Electric alarm system, preferably for fire alarms. 3,295,121, 12–27–66, Cl. 340—237.

Meyer, Waldemar, C. O. L. Ottosson, and K.-E. Qvarnstrom, to Atlas Copco Aktiebolag. Ring drilling apparatus and method. 3,260,317, 7–12–66, Cl. 173—35.

Meyer, Walter, to Oak Electro/Netics Corp. Switch structure with interlocking rotational and axial movement prevention means. 3,290,456, 12–6–66, Cl. 200—14.

Meyer, Walter E., to Cra-Vac Corp. Apparatus for opposing offset in printing. 3,238,919, 3–8–66, Cl. 118—308.

Meyer, Walter E., and J. H. Mowat, to American Cyanamid Co. Novel substituted 2,3-dihydro-9-carbamoyloxymethyl-6-methyl-pyrrolo [1,2-a]indole-5,8-diones. 3,230,233, 1–18–66, Cl. 260—319.

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Meyer, William K., and J. J. Taber, to Gulf Research & Development Co. Miscible displacement process for petroleum reservoirs containing brine and oil. 3,270,811, 9–6–66, Cl. 166—9.

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Meyerhoefer, Carl E. Resilient seal assembly. 3,245,605, 4–12–66, Cl. 229—53.

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Meyerhoff, Leonard, to Eastern Research Group, a partnership composed of L. and S. A. Meyerhoff. Device for controlling ship movement. 3,244,135, 4–5–66, Cl. 114—166.

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Meyerhoff, Leonard, to Eastern Research Group. Hydraulic torque conversion apparatus. 3,285,011, 11–15–66, Cl. 60—221.

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Meyer-Jagenberg, Gunther, to Jagenberg Werke Akt-Ges. Method and apparatus for the manufacture, filling and closing of liquid-tight containers. 3,280,531, 10–25–66, Cl. 53—29.

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Meyers, Douglas C., to Shell Oil Co. Sequential transmission of randomly occurring events. 3,277,456, 10–4–66, Cl. 340—213.

Meyers, Earl E. Floating devices. 3,230,660, 1–25–66, Cl. 43—43.13.

Meyers, Frederick C. Butane cigarette lighter construction. 3,280,600, 10–25–66, Cl. 67—7.1.

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Millar, Jan M. C., to Woodall-Duckham Construction Co. Ltd. Process for the treatment of aqueous crude effluent liquors from coal carbonizing plants. 3,278,423, 10–11–66, Cl. 210—15.

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Millar, John J., and J. A. Currier, to Scott & Williams, Inc. Knitting machine. 3,260,072, 7–12–66, Cl. 66—42.

Millar, Rutherford Y. Sanitary blanket. 3,273,176, 9–20–66, 9–20–66, Cl. 5—334.

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Miller, Joseph W., to Yorke Scientific Corp. Crystal puller. 3,238,022, 3–1–66, Cl. 23—273.
Miller, Keeth B., to Bemis Co., Inc. Bag. 3,283,994, 11–8–66, Cl. 229—55.
Miller, Keith M.: *See*—
Harned, John L., Miller, and Sudhindranath. 3,232,399.
Harned, John L., Miller, Nordeen, and Robertson. 3,277,745.
Miller, Lalan G., and A. P. Colaiaco, to Westinghouse Electric Corp. Protective means for rectifier apparatus. 3,254,290, 5–31–66, Cl. 321—11.
Miller, Laura G. Bathing apparatus for dogs and other animals. 3,263,653, 8–2–66, Cl. 119—158.
Miller, Laurence O., to Kiniau Sheet Metal Works, Inc. Horizontal end mounted carriage for gin suction pipe. 3,260,550, 7–12–66, Cl. 302—34.
Miller, Lawrence E. Preheater for airplane engines. 3,233,077, 2–1–66, Cl. 219—205.
Miller, Leanore E.: *See*—
Eisenman, Robert H. 3,249,980.
Miller, Lee A.: *See*—
Katon, John E., and Miller. 3,244,742.
Miller, Lee A., to Monsanto Co. Method for inhibiting growth of plants, fungi and bacteria. 3,285,365, 2–15–66, Cl. 71—2.6.
Miller, Lee A., to Monsanto Co. Trialkyltin propiolates. 3,257,194, 6–21–66, Cl. 71—2.7.
Miller, Lee A., to Monsanto Co. Ether-esters. 3,257,422, 6–21–66, Cl. 260—348.
Miller, Lee A., to Monsanto Co. Derivatives of propiolanilide. 3,257,447, 6–21–66, Cl. 260—471.
Miller, Lee A., to Monsanto Co. Herbicidal compositions comprising cyanoalkyl haloaryloxyacrylates. 3,279,911, 10–18–66, Cl. 71—2.6.
Miller, Lee A., to Monsanto Co. Bisacrylate esters. 3,280,170, 10–18–66, Cl. 260—470.
Miller, Lee T., to Stewart-Warner Corp. Pump. 3,231,148, 1–25–66, Cl. 222—288.
Miller, Leo: *See*—
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Miller, Leon A., to Henest Corp. School books carrier. 3,273,770, 9–20–66, Cl. 224—46.
Miller, Leon C.: *See*—
Vecchiarelli, Francis, and Miller. 3,228,159.
Miller, Leon F.: *See*—
Hatch, Edmond K., and Miller. 3,234,601.
Hatch, Edmond K., and Miller. 3,280,433.
Miller, Leon F., to The Osborn Mfg. Co. Mold and core blowing machine. 3,290,733, 12–13–66, Cl. 22—10.
Miller, Leon F., and R. W. Ellms, to The Osborn Mfg. Co. Explosive force molding machine and method. 3,233,291, 2–8–66, Cl. 22—40.
Miller, Leonidas C. Method of making a tubular joint. 3,286,341, 11–22–66, Cl. 29—471.1.
Miller, LeRoy, and J. J. Hohenfeld, to Malleable Iron Fittings Co. Washer gain for timber structures. 3,231,945, 2–1–66, Cl. 20—92.
Miller, Lester, Jr.: *See*—
Godel, Siegfried, and Miller. 3,238,319.
Miller, Logan V., to Nalco Chemical Co. Planographic process and inks. 3,234,873, 2–15–66. Cl. 101—149.2.
Miller, Loren N., to Union Oil Co. of California. Absorption process for separating components of gaseous mixtures. 3,247,649, 4–26–66, Cl. 55—40.
Miller, Loren N., O. C. Holbrook, and B. B. Woertz, to Union Oil Co. of California. Process for removing acid constituents from gaseous mixtures. 3,242,642, 3–29–66, Cl. 55—44.
Miller, Loren N., O. C. Holbrook, and B. B. Woertz, to Union Oil Co. of California. Process for removing acid constituents from gaseous mixtures. 3,242,646, 3–29–66, Cl. 55—48.
Miller, Loren N., O. C. Holbrook, and B. B. Woertz, to Union Oil Co. of California. Extraction of acidic components from gas mixtures. 3,255,572, 6–14–66, Cl. 55—31.
Miller, Lorin G. and J. H. Warm air furnace. 3,266,480, 8–16–66, Cl. 126—109.
Miller, Louie B.: *See*—
Davies, Miles A., and Miller. 3,294,257.
Miller, Louis W., J. G. Lipic, Jr., and K. Wolff, to Joseph Lipic Pen Co. Key holders. 3,257,698, 6–28–66, Cl. 24—116.
Miller, Lowell A., and W. Fong, to United States of America, Agriculture. Continuous shrinkproofing of wool textiles. 3,243,253, 3–29–66, Cl. 8—128.
Miller, Manly J.: *See*—
Maher, Walter E., Miller, and Polhemus. 3,263,323.
Miller, Marilyn J. Umbrella holder for automobiles. 3,273,769, 9–20–66, Cl. 224—42.45.
Miller, Marsden L., and J. H. Cantlin, to The Wilcolator Co. Control valve. 3,251,573, 5–17–66, Cl. 251—78.
Miller, Marvin, to Thiokol Chemical Corp. Gas generator having slow burning grain for variable gas flow. 3,286,462, 11–22–66, Cl. 60—39.47.

Miller, Mary L., J. Skogman, and J. Sutherland, to American Cyanamid Co. Alkali saturated cross-linked polyvinyl alcohol membranes and fuel cell with same. 3,265,536, 8-9-66, Cl. 136—86.

Miller, Mary L., and J. Skogman, to American Cyanamid Co. Method for preparing poly(γ-butyl crotonate) and polycrotonic acid using organo-lithium containing catalyst systems. 3,274,168, 9-20-66, Cl. 260—89.3.

Miller, Maurice M. Overhanging eaves with gutters. 3,261,-132, 7-19-66, Cl. 52—11.

Miller, Melvin W., to Western Farmers Association. Method of preparing eggs and food products having cooked eggs therein. 3,232,769, 2-1-66, Cl. 99—182.

Miller, Melvin W., and R. P. Fringer, to Western Farmers Association. Egg cooking apparatus. 3,264,974, 8-9-66, Cl. 99—423.

Miller, Melvin W., and D. J. Crawford, to Ex-Cell-O Corp. Paperboard container and method of eliminating edge wicking in the container. 3,294,310, 12-27-66, Cl. 229—48.

Miller, Meritt L., to General Electric Co. Semiconductor inverter circuit with voltage reducing means. 3,248,727, 3-29-66, Cl. 331—113.

Miller, Milford A. Vehicle track sanding device. 3,271,061, 9-6-66, Cl. 291—14.

Miller, Monroe L.: *See*—
Lenahan, Jane G., Miller, and Cohen. 3,293,134.

Miller, Murray L., to Security Controls Inc. Coded electric load controller. 3,234,516, 2-8-66, Cl. 340—164.

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Miller, Norman E., to E. I. du Pont de Nemours and Co. Boron amines and process for formation thereof. 3,265,737, 8-9-66, Cl. 260—583.

Miller, Norman K., to Miller Bros. Electric mat switch. 3,243,540, 3-29-66, Cl. 200—86.

Miller, Norman K., to Miller Bros. Pneumatic safety edge for power operated doors. 3,260,812, 7-12-66, Cl. 200—61.43.

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Herweh, John E., Miller, and Poshkus. 3,262,918.

Miller, Omer E. Tank cover. 3,285,418, 11-15-66, Cl. 210—140.

Miller, Omer E., and F. J. Wolf, to Deinall Corp. Apparatus for treating ionic liquids. 3,251,764, 5-17-66, Cl. 204—301.

Miller, Oscar O., and J. L. Hurley, to The International Nickel Co., Inc. Martensitic low alloy plate steel. 3,258,-372, 6-28-66, Cl. 148—36.

Miller, Park H., Jr.: *See*—
Van Lint, Victor A. J., and Miller. 3,281,799.

Miller, Park H., Jr., to General Dynamics Corp. Method of and apparatus for generating seismic waves. 3,282,371, 11-1-66, Cl. 181—.5.

Miller, Park H., Jr., to General Dynamics Corp. Analogue device for geophysical prospecting. 3,291,250, 12-13-66, Cl. 181—.5.

Miller, Paul E., C. R. Haefele, and J. W. Gates, Jr., to Eastman Kodak Co. Carboxymethylated and acylated, carboxymethylated gelatins for peptization of baryta. 3,227,571, 1-4-66, Cl. 106—135.

Miller, Paul J.: *See*—
Schovee, John R. 3,283,423.

Miller, Paul L.: *See*—
Miller, James A. and P. L. 3,243,848.

Miller, Paul R.: *See*—
Pearson, Arthur J., and Miller. 3,276,928.

Miller, Paul W. Vertical broiler. 3,228,819, 1-11-66, Cl. 99—389.

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Haering, Rudolph R., and Miller. 3,281,714.

Miller, Peter J., to Toledo Heater Co. Tube bending apparatus and method. 3,248,920, 5-3-66, Cl. 72—298.

Miller, Philip, to Hicks & Otis Prints, Inc. Contoured ornamentation of laminated resilient materials and product. 3,257,263, 6-21-66, Cl. 161—119.

Miller, Philip A., J. H. E. J. Martin, and L. A. Mitscher, to American Cyanamid Co. Novel 5a,6-anhydrotetracyclines. 3,265,732, 8-9-66, Cl. 260—559.

Miller Printing Machinery Co.: *See*—
Wrenshall, Edward N. 3,272,224.
Wrenshall, Edward N. 3,284,089.

Miller, Ralph. Two cycle supercharged engine. Re. 26,023, 5-17-66, Cl. 60—13.

Miller, Ralph, H. F. Johanson, and H. Falber, to Geigy Chemical Corp. Granular pesticidal compositions and methods of preparation. 3,235,452, 2-15-66, Cl. 167—42.

Miller, Ralph R. Pneumatic displacement level indicator for storage bin. 3,290,938, 12-13-66, Cl. 73—290.

Miller, Raphael W., and H. J. Worst. Sectional billiard cue with weighted handle. 3,269,730, 8-30-66, Cl. 273—68.

Miller, Ray R., to Weyerhaeuser Co. Automatic wrapper feeder. 3,254,886, 6-7-66, Cl. 271—3.

Miller, Raymond E.: *See*—
Roth, Griesmer, Miller, Selfridge, and Wagner. 3,235,842.

Miller, Raymond E. Method and apparatus for producing high purity distilled water. 3,235,470, 2-15-66, Cl. 203—11.

Miller, Raymond J., to J. I. Case Co. Tractor mechanism. 3,287,794, 3-1-66, Cl. 214—140.

Miller, Raymond J., to Teletype Corp. Constant current selector magnet driver. 3,293,505, 12-20-66, Cl. 317—148.b.

Miller Redwood Co.: *See*—
Keeney, Vaderon E. 3,267,976.

Miller, Regan B., R. N. Arnaud, and S. D. Lapham. Flatwork smoothing device. 3,256,624, 6-21-66, Cl. 38—143.

Miller, Richard C., and J. Robbins. Program car. 3,252,247, 5-24-66, Cl. 46—244.

Miller, Richard G., to Cutler Hammer, Inc. Mounting means for operator of electric switch. 3,242,298, 3-22-66, Cl. 200—172.

Miller, Richard M.: *See*—
Newkirk, John D., and Miller. 3,261,774.

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Jens, Wayne H., Edlund, Barringer, Davidson, Klotz Nims, Miller, and Palmer. 3,260,649.

Miller, Robert: *See*—
Farber, Milton, and Miller. 3,248,363.

Miller, Robert A.: *See*—
Brown, William J., Miller, and Sautter. 3,280,269.

Miller, Robert A. Spring expander. 3,292,250, 12-20-66, Cl. 29—227.

Miller, Robert A., and C. M. Taris, to Bell Telephone Laboratories, Inc. Telephone call transmitter. 3,243,517, 3-29-66, Cl. 179—90.

Miller, Robert A., and C. M. Taris, to Bell Telephone Laboratories, Inc. Magnetic storage repertory dialer. 3,254,162, 5-31-66, Cl. 179—90.

Miller, Robert C.: *See*—
Ballman, Albert A., Boyd, and Miller. 3,262,058.

Miller, Robert E. Water straining apparatus with flow control means. 3,252,576, 5-24-66, Cl. 210—137.

Miller, Robert E., to Sperry Rand Corp. Portable instrument unit. 3,273,951, 9-20-66, Cl. 312—319.

Miller, Robert E., and James K. Cheng, to The National Cash Register Co. Thermotransfer sheet material and copying systems utilizing same. 3,239,366, 3-8-66, Cl. 117—36.1.

Miller, Robert F., to General Motors Corp. Transmission selector controls and illuminating device. 3,231,857, 1-25-66, Cl. 340—54.

Miller, Robert H.: *See*—
Kranc, Stanley J., Miller, and Tegg. 3,258,937.
Pandapas, James J., Wendell, and Miller. 3,243,866.
Wilson, William B. 3,275,365.
Wilson, William B. 3,283,400.

Miller, Robert H. Card index holder. 3,280,820, 10-25-66, Cl. 129—20.

Miller, Robert J.: *See*—
Coronado-Arce, Manuel. 3,228,026.

Miller, Robert J., to United States of America, Navy. Minor deflection yoke. 3,277,411, 10-4-66, Cl. 335—212.

Miller, Robert K. Adjustably positionable reflector lamp. 3,281,620, 10-25-66, Cl. 313—113.

Miller, Robert L.: *See*—
Martino, Andrew F., and Miller. 3,246,515.

Miller, Robert M.: *See*—
Moggio, William A., Sparks, and Miller. 3,271,231.

Miller, Robert M., to Atlantic Research Corp. Fluid venting device. 3,267,662, 8-23-66, Cl. 60—35.6.

Miller, Roger I.: *See*—
Gustavson, Marvin R., and Miller. 3,250,683.

Miller, Roland E., C. G. Tumino, and G. D. Wynn, to National Dairy Products Corp. Packaging apparatus. 3,276,487, 10-4-66, Cl. 141—242.

Miller, Roland E., G. H. Kraft, C. G. Tumino, and C. D. Wayne, to National Dairy Products Corp. Packaging material register control. 3,238,691, 3-8-66, Cl. 53—3.

Miller, Ronald H., and M. A. Foos, to Eastman Kodak Co. Photographic processing baths for stabilization processing. 3,271,153, 9-6-66, Cl. 96—61.

Miller, Ronald J. Bow string tensioner and finger protector. 3,246,338, 4-19-66, Cl. 2—21.

Miller, Roy, and P. Longbottom, to Laporte Titanium Ltd. Process of classifying calcined conditioned titanium dioxide pigment slurries. 3,229,917, 1-18-66, Cl. 241—16.

Miller, Roy G., ½ to Dayton F. Brown, Inc. Stabilizing mine roofs. 3,260,053, 7-12-66, Cl. 61—36.

Miller, Roy W., Sr.: *See*—
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Miller, Russell E., to Texas Instruments Inc. Laminate for fabricating etch printed circuit. 3,244,581, 4-5-66, Cl. 161—186.

Miller, Samuel J.: *See*—
Orr, Carrol A., and Miller. 3,286,359.

Miller, Sidney S. Diesel engine tachometer. 3,289,077, 11-29-66, Cl. 324—70.

Miller, Stewart E., to Bell Telephone Laboratories, Inc. Tunnel diode microwave amplifier or oscillator. 3,254,309, 5-31-66, Cl. 330—34.

Miller, Stewart E., to Bell Telephone Laboratories, Inc. Antenna system wherein beamwidth variation is achieved by changing shape of intermediate reflector. 3,254,342, 5-31-66, Cl. 343—781.

Miller, Stewart E., to Bell Telephone Laboratories, Inc. Antenna system wherein beamwidth variation is achieved by changing aperture area of primary antenna. 3,295,136, 12-27-66, Cl. 343—781.

Miller, Verle A., to International Latex & Chemical Corp. Latex compositions. 3,256,234, 6-14-66, Cl. 260—29.7.

Miller, Wallace T., to Interchemical Corp. Impression system for gravure press. 3,288,060, 11-29-66, Cl. 101—153.

Miller, Walter A., and S. O. Cook. Thermoplastic films and process for preparing same. 3,234,313, 2-8-66, Cl. 264—230.

Miller, Walter D. Battery recharging method and apparatus for electrically powered vehicles. 3,273,038, 9-13-66, Cl. 320—2.

Miller, Warren S., to Intermountain Research & Development. Dissolving lump trona in a descending aqueous film. 3,246,962, 4-19-66, Cl. 23—311.

Miller, Warren S., to International Research & Development Corp. Preparation of soda ash including the leaching of trona with steam. 3,264,057, 8-2-66, Cl. 23—63.

Miller, Warren S., to Intermountain Research & Development Corp. Process of recovering sodium carbonate from the mother liquor bleed. 3,273,959, 9-20-66, Cl. 23—63.

Miller, Wayne E., to The Bendix Corp. Piston for wheel cylinders and the like. 3,251,280, 5-17-66, Cl. 92—222.

Miller, Wayne F.: *See*—
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Miller, Wendell E., to The Cessna Aircraft Co. Control for hydrostatic transmissions. 3,238,724, 3-8-66, Cl. 60—53.

Miller, Wendell S. Magnetic actuated hammers in a line printer. 3,228,325, 1-11-66, Cl. 101—93.

Miller, Wendell S. Process and apparatus for separating oxygen from other gases. 3,230,045, 1-18-66, Cl. 23—221.

Miller, Wendell S. Alternative fulcrum hand tool. 3,232,152, 2-1-66, Cl. 81—343.

Miller, Wendell S. Screens for projecting systems. 3,230,-150, 2-22-66, Cl. 88—28.9.

Miller, Wendell S. Disinfecting packet. 3,240,326, 3-15-66, Cl. 206—46.

Miller, Wendell S. Connector for wires or the like. 3,247,315, 4-19-66, Cl. 174—84.

Miller, Wendell S. Projection of images onto inclined screens. 3,253,505, 5-31-66, Cl. 88—24.

Miller, Wendell S. Selecting apparatus. 3,254,201, 5-31-66, Cl. 235—61.7.

Miller, Wendell S. Television scanning system for the projection of colored images. 3,256,385, 6-14-66, Cl. 178—5.4.

Miller, Wendell S. High specific intensity light source. 3,256,388, 6-14-66, Cl. 178—7.88.

Miller, Wendell S. Light directing structure. 3,261,975, 7-19-66, Cl. 240—41.3.

Miller, Wendell S. High contrast projection screens. 3,279,-314, 10-18-66, Cl. 88—28.93.

Miller, Wilbur A., and E. B. Gienger, Jr., to International Latex Corp. Deposited latex articles. Re. 26,021, 5-10-66, Cl. 128—521.

Miller, William C., to Peabody Seating Co., Inc. Adjustable leg. 3,261,584, 7-19-66, Cl. 248—188.2.

Miller, William F., to Texaco Inc. Remote treatment of wells. 3,292,704, 12-20-66, Cl. 166—91.

Miller, William F., and F. C. Bennett, to The Marconi Co. Ltd. Gain control systems. 3,262,057, 7-19-66, Cl. 325—305.

Miller, William H.: *See*—
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Shulver, William, Miller, Atteridge, and Marzocchi. 3,269,883

Miller, William H. Wedge shaped anchor device. 3,289,373, 12-6-66, Cl. 52—375.

Miller, William L., to Continental Can Co., Inc. Vented lids for hot drink cups. 3,283,939, 11-8-66, Cl. 220—44.

Miller, William M. Ice fishing reel. 3,273,821, 9-20-66, Cl. 242—106.

Miller, William R.: *See*—
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Miller, William R., J. C. Cowan, and E. H. Pryde, to United States of America, Agriculture. Glycerol derivatives of azelaaldehydic acid and poly(ester-acetals) therefrom. 3,285,880, 11-15-66, Cl. 260—78.3.

Miller, William R., J. C. Cowan, and E. H. Pryde, to United States of America, Agriculture. Glycerol derivatives of azelaaldehydic acid and poly(ester-acetals) therefrom. 3,287,326, 11-22-66, Cl. 260—78.3.

Miller, William T., to E. I. du Pont de Nemours and Co. Process for preparing fluorocarbon polyethers. 3,242,218, 3-22-66, Cl. 260—615.

Miller, Woodford D., and J. B. Wilson, said Wilson assor. to Reynolds Metals Co. Gas charging and liquid dispensing apparatus and method. 3,245,583, 4-12-66, Cl. 222—52.

Miller Wrapping & Sealing Machine Co.: *See*—
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Millett, Andrew F.: *See*—
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Millet, Jacques F., to Societe le Carbone-Lorraine. Graphitised carbon articles containing rare earths. 3,260,614, 7-12-66, Cl. 117—46.

Millet, Rene, to Compagnie de Saint-Gobain. Method and apparatus for the manufacture of fibers from glass or other thermoplastic materials. 3,248,192, 4-26-66, Cl. 65—5.

Milleville, Bertram J., to Chapman Division, Crane Co. High pressure valve construction. 3,281,114. 10-25-66, Cl. 251—367.

Millheiser, Melvin, to Waldes Kohinoor, Inc. Adjustable stop means for pliers. 3,271,847, 9-13-66, Cl. 29—229.

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Panzica, Nicholas J., Millhiser, and Wooll. 3,283,865.

Millhiser, Robert G., to Ajem Laboratories, Inc. Method for handling grit. 3,237,351, 3-1-66, Cl. 51—320.

Millhiser, Robert G., and R. C. Winger, to Ajem Laboratories, Inc. Process for surface altering. 3,257,759, 6-28-66, Cl. 51—319.

Millidge, Alfred F.: *See*—
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Milligan, James W., to Duncan Electric Co., Inc. Lightning arrester. 3,257,575, 6-21-66, Cl. 313—231.

Milligan, Joan E.: *See*—
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Milligan, Joseph J.: *See*—
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Milligan, Neal P., to Tecumseh Products Co. Motor starter circuit. 3,258,668, 6-28-66, Cl. 318—221.

Milligan, Neal P., and P. B. Hover, to Tecumseh Products Co. Temperature protection circuit. 3,268,768, 8-23-66, Cl. 317—13.

Milligan, Terry W.: *See*—
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Milligan, William C. Catalytic infrared heating device. 3,231,202, 1-25-66, Cl. 239—500.

Milligan, William E., to Callery Chemical Co. Treatment of recycled mineral oil in the production of sodium hydride. 3,284,160, 11-8-66, Cl. 23—204.

Milliken, Rankin A., to Friden, Inc. Cathode glow indicator tube. 3,242,370, 3-22-66, Cl. 313—109.5.

Milliken, Rankin A., to Friden, Inc. Character representing glow discharge tube and system for selective excitation of the character representing electrodes thereof. 3,244,928, 4-5-66, Cl. 313—109.5.

Milliken Tetra Pak, a Division of Clemson Industries Inc.: *See*—
Mobley, George A. 3,287,878.

Milliken, William U., to Bowerston Shale Co. Palletized structure of cylindrical products. 3,237,786, 3-1-66, Cl. 214—10.5.

Millington, Ralph, to United States of America, Navy. Energy absorber-metal bender type. 3,280,942, 10-25-66, Cl. 188—1.

Millington, Richard B., and R. C. Nordberg, to Hitco. Process for preparing carbon fibers. 3,294,489, 12-27-66, Cl. 23—209.4.

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Dwyer, James L., and Connelly. 3,271,999.
Porter, David B., and Paine. 3,237,775.
Porter, David B., and Paine. 3,256,996.

Millis, Edwin G., to United States of America, Air Force. Long period horizontal seismometer. 3,286,229, 11-15-66, Cl. 340—17.

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Mays, Robert K., Millman, and Trowbridge. 3,227,607.
Shurling, Billy E., and Millman. 3,291,626.

Millman, William V., to American Air Filter Co., Inc. Automatic control system for an air conditioning system. 3,258,934, 7-5-66, Cl. 62—197.

Millman, William V., to American Air Filter Co., Inc. Multistage pump. 3,289,923, 12-6-66, Cl. 230—130.

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Beinfest, Sidney, Adams, Juliano, and Marshik. 3,265,-703.
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Wakeman, Reginald L., and Coates. 3,280,137.
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Wakeman, Reginald L., and Dudzinski. 3,270,060.
Wakeman, Reginald L., and Low. 3,287,411.
Wakeman, Reginald L., and Shay. 3,261,838.
Wakeman, Reginald L., and Shay. 3,262,935.
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Finger, James H., and Williams. 3,250,050.

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Mills, Bernard D.: *See*—
Adam, Fritz G., and Mills. 3,244,555.

Mills, Bernard D., and R. F. Payne, to International Standard Electric Corp. Continuously graded electrode of two metals for semiconductor devices. 3,270,256, 8-30-66, Cl. 317—234.

Mills, Clarence A., to Reflectotherm, Inc. Apparatus for baking by differential wave lengths. 3,249,741, 5-3-66, Cl. 219—388.

Mills, Donald W., Sr., to Goodyear Aerospace Corp. Optical drill jig comprising a polygon mirror and autocollimator. 3,257,896, 6-28-66, Cl. 88—14.

Mills, Edward J., Jr.: *See*—
Leis, Donald G., and Mills. 3,265,593.

Mills, Fred, Corp., The: *See*—
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Mills, George, to Colgate-Palmolive Co. Steel wool pads. 3,256,583, 6-21-66, Cl. 29—4.5.

Mills, George A.: *See*—
Farkas, Adalbert, Miller, Mills, and Orchin. 3,265,468.

Mills, Gilbert B.: *See*—
Eagle, Charles E., Gallup, and Mills. 3,279,976.

Mills, Gordon H. Wind indicator. 3,233,456, 2–8–66, Cl. 73—188.

Mills, Ivor W.: *See*—
Campbell, Robert H., and Mills. 3,288,587.
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Melchiore, John J., and Mills. 3,243,458.

Mills, Ivor W., to Sun Oil Co. Purification of mineral oils contaminated with catalyst particles. 3,252,893, 5–24–66, Cl. 208—251.

Mills, Ivor W., to Sun Oil Co. Method of separating aromatic hydrocarbons from petroleum fractions. 3,291,851, 12–13–66, Cl. 260—674.

Mills, Jack, to Eli Lilly and Co. β-phenyl-β-hydroxyethylamines. 3,281,468, 10–25–66, Cl. 260—570.6.

Mills, Jack, and R. W. Kattau, to Eli Lilly and Co. N-aryloxyalkyl and arylthioalkyl derivatives of cyclopropylamine. 3,235,597, 2–15–66, Cl. 260—570.5.

Mills, Jack F.: *See*—
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Mills, Jack F., to The Dow Chemical Co. Iodine detergent solution. 3,274,116, 9–20–66, Cl. 252—106.

Mills, James C. Mailing wrapper. 3,273,781, 9–20–66, Cl. 229—40.

Mills, Jimmie R., and H. A. Watkins, to United States of America, Army. Missile separating device. 3,244,104, 4–5–66, Cl. 102—49.

Mills, John A., to National Broach & Machine Co. Gear finishing machines. 3,250,178, 5–10–66, Cl. 90—1.6.

Mills, John K.: *See*—
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Mills, John K., to Bell Telephone Laboratories, Inc. Switching regulator. 3,229,194, 1–11–66, Cl. 323—22.

Mills, John K., to Bell Telephone Laboratories, Inc. Thyratron tube replacement units employing controlled rectifiers and a control transistor. 3,241,044, 3–15–66, Cl. 323—22.

Mills, John K., to Bell Telephone Laboratories, Inc. Reversible current supply. 3,270,273, 8–30–66, Cl. 321—47.

Mills, Joseph A. W., and R. H. B. Winder, to Dowty Mining Equipment Ltd. Roof supports. 3,240,022, 3–15–66, Cl. 61—45.

Mills, Justin W.: *See*—
Klasson, George A., and Mills. 3,259,274.
Klasson, George A., Mills, and Thomas. 3,238,350.

Mills, Kenneth R., and R. J. Walton, to Phillips Petroleum Co. Phenols and dilauryl thiodipropionate as thermal stabilizers for olefin polymers. 3,227,676, 1–4–66, Cl. 260—45.85.

Mills, King L., to Phillips Petroleum Co. Catalyst compositions and method for their preparation. 3,235,508, 2–15–66, Cl. 252—430.

Mills, King L., to Phillips Petroleum Co. Hydrocracking heavy hydrocarbons to gasoline and distillate. 3,256,176, 6–14–66, Cl. 208—89.

Mills, Loring E., J. J. Hauth, C. H. Bloomster, and D. F. Carroll, to United States of America, Atomic Energy Commission. Fuel element for a nuclear reactor. 3,230,151, 1–18–66, Cl. 176—73.

Mills, Loring E., and R. F. Boolen, to United States of America, Atomic Energy Commission. Graphite welding. 3,288,979, 11–29–66, Cl. 219—104.

Mills Products, Inc.: *See*—
Larkin, Robert B. 3,244,198.
Mills, Vernon I. 3,228,388.

Mills, Robert K. Bowling ball with thumb releasing device 3,253,827, 5–31–66, Cl. 273—63.

Mills, Robert L.: *See*—
Young, James R., and Mills. 3,270,959.

Mills, Terence R.: *See*—
Ives, Cyril G., and Mills. 3,258,295.

Mills, Thomas F., to Sherwood Electronic Laboratories, Inc. FM stereo-multiplex receiving system. 3,234,334, 2–8–66, Cl. 179—15.

Mills, Thomas W. Fastening means for overlapping boards. 3,237,360, 3–1–66, Cl. 52—483.

Mills, Thomas W. Laminated wood building unit. 3,262,239, 7–26–66, Cl. 52—540.

Mills, Vernon I., to Mills Products, Inc. Oven window-door. 3,228,388, 1–11–66, Cl. 126—200.

Mills, Wade H.: *See*—
Aeder, David J., and Mills. 3,252,533.

Mills, Warren L. Thermal insulating window structures 3,252,260, 5–24–66, Cl. 52—497.

Mills, Wesley A.: *See*—
Templin, Gail H., and Mills. 3,277,768.

Mills, William E., and C. Sanctuary, to Del Mar Engineering Laboratories. EKG computer. 3,267,933, 8–23–66, Cl. 128—2.06.

Millsap, Wayne A.: *See*—
Drobnick, James L., and Millsap. 3,276,863.

Millsaps, Frank W., and J. S. Browning, to United States of America, Interior. Flotation of mica. 3,278,028, 10–11–66, Cl. 209—166.

Millward, Brian B.: *See*—
McCall, Ernest B., and Millward. 3,294,831.

Millward, Brian B., to Monsanto Chemicals Ltd. Use of silanes as heat transfer media and hydraulic fluids. 3,291,742, 12–13–66, Cl. 252—78.

Millward, Samuel J.: *See*—
Disman, Murray I., Millward, and Mizuhara. 3,227,913.

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Milne, Gilbert A. Picture painting kit. 3,284,927, 11–15–66, Cl. 35—26.

Milne, Ivan H.: *See*—
McKelvey, James G., Jr., Milne, and Trump. 3,285,421.

Milne, James F., and P. E. Norgen, to Sperry Rand Corp. Print head having cup shaped protective member. 3,291,276, 12–13–66, Cl. 197—1.

Milne, James G., Jr.: *See*—
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Milne, Kenneth, and J. G. Flounders, to Decca Ltd. Radar systems. 3,266,038, 8–9–66, Cl. 343—17.2.

Milner, George M., to Ro-Search, Inc. Method of manufacturing a safety shoe. 3,270,358, 9–6–66, Cl. 12—142.

Milnes, Frank J.: *See*—
Hubscher, Ralph A., and Milnes. 3,290,382.

Milnes, George: *See*—
Brogden, Michael E., Milnes, and Pinkerton. 3,232,999.
Brogden, Michael E., Milnes, and Pinkerton. 3,243,466.

Milnes, James A., and W. L. Roberts, to United States Steel Corp. Apparatus for measuring the defective surface area of an object. 3,280,692, 10–25–66, Cl. 88—14.

Milnes, Robert M., to The Bendix Corp. Pitch and roll corrector for use in a doppler radar navigation system. 3,228,027, 1–4–66, Cl. 343—7.

Milosovich, George, Jr., to Parke, Davis & Co. Controlled release dosage form containing water-swellable beadlet. 3,247,066, 4–19–66, Cl. 167—82.

Milprint, Inc.: *See*—
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Koontz, Wilbert A. 3,281,977.
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Krzyzanowski, Robert A. 3,276,622.
Pelzek, Victor J., Goldstein, and Miller. 3,232,789.
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Warren, Christopher J. L., and Milross. 3,277,863.

Milroy, Warren E., to United States of America, Navy. Real time color-coded tactical display. 3,287,492, 11–22–66, Cl. 178—5.4.

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Milton, Kirby M., to Eastman Kodak Co. Lith-type emulsions with organosilicone block copolymers. 3,294,537, 12–27–66, Cl. 96—67.

Milton, Richard D.: *See*—
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Milton, Robert M.: *See*—
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Milton, Robert M., to Union Carbide Corp. Hydrocarbon upgrading process. 3,236,903, 2–22–66, Cl. 260—666.

Milton, Saylor S. Boat drift alarm system. 3,281,781, 10–25–66, Cl. 340—29.

Milwaukee Chaplet & Mfg. Co., Inc.: *See*—
Roberts, James S., and Ahrens. 3,243,531.

Milwaukee Valve Co., Inc.: *See*—
Heil, Richard J. 3,240,222.
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Mima, Hiroyuki, M. Terasaki, and M. Kato, to Takeda Chemical Industries, Ltd. Coloring agent containing carotenoid pigment, and preparation of such agent. 3,227,561, 1–4–66, Cl. 99—148.

Mimik Ltd.: *See*—
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Mims, Samuel S., to R. J. Reynolds Tobacco Co. Tobacco additives. 3,232,295, 2–1–66, Cl. 131—17.

Mims, William B., to Bell Telephone Laboratories, Inc. Spin echo apparatus. 3,265,961, 8–9–66, Cl. 324—.5.

Mina, Kent V., to Bell Telephone Laboratories Inc. Multiaperture core shift register. 3,293,625, 12–20–66, Cl. 340—174.

Minakovic, Borivoje, to International Standard Electric Corp. Travelling wave tubes having multiple slow wave structures. 3,258,640, 6–28–66, Cl. 315—3.6.

Minami, Muneyoshi, Y. Tsuda, K. Sando, J. Kashiro, and K. Tamura, to Toyo Rayon Kabushiki Kaisha. Process for heat stabilization of polyoxymethylene. 3,293,220, 12–20–66, Cl. 260—67.

Minamikawa, Yoshihisa, and S. Katagiri, to Hitachi, Ltd. Device for exchanging electron sources in electrical discharge devices. 3,268,759, 8–23–66, Cl. 313—237.

Mifiamiyama, Kozo, N. Ninomiya, H. Ichikawa, and Z. Matsumoto, to Takeda Chemical Industries, Ltd. Particulate solid material discharge apparatus. 3,260,415, 7–12–66, Cl. 222—162.

Minard, William F., to Burroughs Corp. Control circuit for electronic conduction-latching devices. 3,237,109, 2–22–66, Cl. 328—2.

Minardi, Oresto A. Imprinter device. 3,233,542, 2–8–66, Cl. 101—269.

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Minasola, John A. Finger, hand and wrist developer. 3,227,446, 1–4–66, Cl. 272—67.

Minc, Anatole, to Tele-Signal Corp. Digital keyer for converting D.C. binary signals into two different output audio frequencies. 3,271,588, 9–6–66, Cl. 307—88.5.

Mincel, Jean G. C., and P. J.-B. Astier. Reproducing device for coded signs. 3,267,261, 8–16–66, Cl. 235—61.65.

Mincieli, Vito D. Back and headrest support. 3,265,437, 8–9–66, Cl. 297—378.

Minck, Robert W., to The Ford Motor Co. Arc suppression means. 3,264,519, 8–2–66, Cl. 315—206.

Minck, William H., to Armco Steel Corp. Annealing metal in coils. 3,290,184, 12–6–66, Cl. 148—16.

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Sparks, William J., and Minckler. 3,274,148.

Mincone, Raymond J. Multiple switch with ganged switch construction and improved actuator cam structure. 3,286,046, 11–15–66, Cl. 200—8.

Mincy, James M. Lubricant and coolant applicator. 3,237,872, 3–1–66, Cl. 239—562.

Mindell, Marvin I., to Viewlex, Inc. Synchronizing means for audio-visual apparatus. 3,259,010, 7–5–66, Cl. 88—28.

Mindell, Marvin I., to Viewlex, Inc. Lamp control means. 3,272,967, 9–13–66, Cl. 219—471.

Minder, Robert J., and R. H. Conley, Jr.; said Conley assor. to said Minder. Sandwich filler mechanism. 3,227,320, 1–4–66, Cl. 222—168.5.

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Mindick, Morris, and A. C. Thompson, to Nalco Chemical Co. Method of producing alumina-coated silica in sol form. 3,252,917, 5–24–66, Cl. 252—313.

Mindick, Morris, H. I. Patzelt, and L. E. Reven, to Nalco Chemical Co. Method of producing amorphous salt-free silica powder capable of forming a sol in aqueous lower alkyl amine solutions. 3,281,216, 10–25–66, Cl. 23—299.

Mindiola, John. Projectile kite. 3,279,726, 10–18–66, Cl. 244—153.

Mindrum, Kenneth H., and J. H. Newhouse, to Clark Equipment Co. Combination clamp-grab attachment for lift truck. 3,272,364, 9–13–66, Cl. 214—654.

Mindt, Frederick E., and W. J. Zisa, to Westinghouse Electric Corp. Induction meter having plural anti-creep holes in its armature disc. 3,248,651, 4–26–66, Cl. 324—137.

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Caywood, William P., and Kush. 3,241,555.
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Minenko, Nickolai G., V. V. Salatsinsky, A. N. Lipakov, A. P. Tkalenko, I. I. Kirillov, and R. I. Djakonov, to Toretsky Gosudarstrenny Mashinostroitelny Zavod. Locomotive with energy accumulator in the form of a revolving flywheel. 3,238,896, 3–8–66, Cl. 105—26.

Miner Machine Co.: *See*—
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Miner, Nelson A., Jr. Stoker firing of fuels. 3,241,506, 3–22–66, Cl. 110—105.5.

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Miner, Robert G., to The Trane Co. Fan speed control for refrigeration system. 3,276,220, 10–4–66, Cl. 62—180.

Miner, Robert G., and C. M. Lewis, to The Trane Co. Control means including an accumulator for refrigeration apparatus. 3,261,174, 7–19–66, Cl. 62—174.

Miner, Robert J., and W. A. Timm, to Owens-Illinois, Inc. Tumbler beader. 3,286,687, 11–22–66, Cl. 118—239.

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La Belle, Laurence T., and Gagarin. 3,251,482.
Mulcahy, Harry W. 3,255,892.
Mulcahy, Harry W., and Tillou. 3,286,526.
Mulcahy, Harry W., Wallace, and Holm. 3,227,288.

Minera, Salvador A. Can filling machine and method. 3,285,294, 11–15–66, Cl. 141—11.

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Cohn, Morris I., and Perdue. 3,253,791.

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Duke, James B. 3,244,635.
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Sawyer, Edgar W., Jr., Smith, and Wert. 3,234,096.
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Mingaud, André, to International Standard Electric Corp. Pulse amplifier including complementary transistors. 3,241,081, 3–15–66, Cl. 330—17.

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Mingrone, Frank V., D. L. Morgan, and H. F. Snider, to Robertshaw Controls Co. Fluid system and control device therefor or the like. 3,288,370, 11–29–66, Cl. 236—49.

Mings, Dwain E. Eye drop aid for administering ophthalmic solution without excessive head tilting. 3,279,466, 10–18–66, Cl. 128—233.

Minhinnett, James A., to Westinghouse Electric Corp. Drycleaner apparatus. 3,253,431, 5–31–66, Cl. 68—12.

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Minichello, Joseph, F. and V. R. 3,250,377.

Minichello, Joseph, F. and V. R. Package sorting system and transfer mechanism therefor. 3,250,377, 5–10–66, Cl. 198—38.

Minichello, Vincent R.: *See*—
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Minihan, Patric N., to Short Bros. & Harland Ltd. Gyroscopes. 3,250,135, 5–10–66, Cl. 74—5.1.

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Snipe, Arthur. 3,268,260.

Minister of Aviation in Her Britannic Majesty's Government of The United Kingdom of Great Britain and Northern Ireland: *See*—
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Gray, Reginald I. 3,227,973.
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Minister of Supply in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland: *See*—
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Ministerul Industriei Petrolului Si Chimiei: *See*—
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Minka, George F., to The National Cash Register Co. Photo-responsive clock for card reader. 3,238,357, 3-1-66, Cl. 235—61.11.

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Minneapolis-Saint Paul Sanitary District: *See*—
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Minnema, Diena, and J. Minnema, Jr. Devices for applying stockings or the like. 3,227,335, 1-4-66, Cl. 223—111.

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Minnema, Diena, and J. Minnema, Jr. 3,227,335.

Minner, Willy, to Telefunken Patentverwertungs-G.m.b.H. Tunable tank circuit containing plural inner conductors bendable relative to one another. 3,287,671, 11-22-66, Cl. 333—82.

Minnesota Mining and Mfg. Co.: *See*—
Abere, Joseph F. 3,266,921.
Abere, Joseph F. 3,267,054.
Abere, Joseph F. 3,268,433.
Abler, Roger L. 3,256,077.
Ahlbrecht, Arthur H. 3,285,975.
Antonson, David L., and Berger. 3,290,203.
Appeldorn, Roger H. 3,293,982.
Appeldorn, Roger H., Schwartz, and Linse. 3,234,868.
Ahlbrecht, Arthur H. 3,240,579.
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Bauer, Charles. 3,231,557.
Binek, Paul H. 3,270,122.
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Bolstad, Archibald N., Sherman, and Smith. 3,252,932.
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Brown, Francis W., and Keck. 3,285,888.
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Casey, James H. 3,256,813.
Clark, Bryce L., and Miller. 3,280,735.
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Cobb, Sanford, Jr., and Petryk. 3,249,033.
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Miskel, John J., P. J. Breivogel, and T. M. Etlinger, to White Laboratories, Inc. Hair straightening compositions and method of use. 3,257,361, 6-21-66, Cl. 260—79.5.

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Mitchell, Ulyss S., and A. R. Myers, to Sierra Capital Co., and Continental Capital Corp. Automatic tape programming. 3,247,328, 4–19–66, Cl. 179—100.2.
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Mod, Robert R., E. L. Skau, S. P. Fore, F. C. Magne, A. F. Novak, H. P. Dupuy, J. R. Ortego, and M. J. Fisher, to United States of America, Agriculture. Process of controlling microbial activity. 3,285,812, 11–15–66, Cl. 167—33.
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Modiano, Victor J., to Hughes Aircraft Co. Direct-current motor control apparatus. 3,290,575, 12–6–66, Cl. 318—261.

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Moench, Frank F., and C. W. Johnson. Fuel burner. 3,289,728, 12–6–66, Cl. 158—79.

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Moersch, George W., and D. F. Morrow, to Parke, Davis & Co. 3-halo-4-methylestra-1,3,5(10)-trienes and process therefor. 3,264,330, 8–2–66, Cl. 260—397.4.

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Buyers, Archie G., and Mohr. 3,254,403.

Mohr, Glenn R.: *See*—
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Mohr, Glenn R., to Westinghouse Electric Corp. High frequency transformer core comprised of magnetic fluid. 3,287,677, 11–22–66, Cl. 336—57.

Mohr, Gunther, K. Niethammer, S. Lust, and G. Schneider, to E. Merck Aktiengesellschaft. Novel fungicides. 3,284,293, 11–8–66, Cl. 167—33.

Mohr Lino-Saw Co.: *See*—
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Stern, Silviu, Mohr, and Gareis. 3,246,450.

Mohr, Robert G.: *See*—
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Mohr, Robert G., and D. A. Bice, to Brunswick Corp. Space divider. 3,248,829, 5–3–66, Cl. 52—65.

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Mohr, Siegfried, D. Luetzow, and H. Schulz, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of granulated ammonium sulfate nitrate. 3,282,674, 11–1–66, Cl. 71—64.

Mohr, Wilfred J. Tufted scatter rugs with double coated skid-resistant backing and method of preparing same. 3,227,574, 1–4–66, Cl. 117—45.

Mohr, Willard E. Humidifier evaporative plate. 3,279,772, 10–18–66, Cl. 261—104.

Mohrbacher, Richard J., to McNeil Laboratories, Inc. 2-[pyrrolidino and morpholino]-carbonyl-3-oxo octahydro indolizines. 3,245,990, 4–12–66, Cl. 260—247.2.

Mohrbacher, Richard J., to McNeil Laboratories, Inc. Certain octahydro indolizines. 3,245,991, 4–12–66, Cl. 260—247.5.

Mohrbacher, Richard J., to McNeil Laboratories, Inc. Indolizine derivatives. 3,268,535, 8–23–66, Cl. 260—268.

Mohrbacher, Richard J., to McNeil Laboratories, Inc. Certain indolizine derivatives. 3,268,540, 8–23–66, Cl. 260—294.

Mohrbacher, Richard J., to McNeil Laboratories, Inc. 5,6-dihydro-4H-tetrazolo [5,1-e] 1,6-benzothiazocine. 3,268,547, 8–23–66, Cl. 260—308.

Mohrbacher, Richard J., to McNeil Laboratories, Inc. Certain octohydro-3-oxo-indolizines. 3,274,202, 9–20–66, Cl. 260—294.

Mohrbacher, Richard J., to McNeil Laboratories, Inc. Dihydrobenzothiepins. 3,287,367, 11–22–66, Cl. 260—327.

Mohrbacher, Richard J., to McNeil Laboratories, Inc. Dihydrobenzothiepin-5(2H)-one oximes. 3,287,368, 11–22–66, Cl. 260—327.

Mohrbacher, Richard J., to McNeil Laboratories, Inc. 2',3,3',4,5',6'-hexahydrospiro 1-benzothiepin-4,2'-(benzothiepino-[5,4-B]-4H-pyran)-5(2H)-one. 3,287,369, 11–22–66, Cl. 260—327.

Mohrbacher, Richard J., and E. L. Carson, to McNeil Laboratories, Inc. Benzothiepin oxazoles. 3,243,439, 3–29–66, Cl. 260—307.

Mohrbacher, Richard J., and V. Paragamian, to McNeil Laboratories, Inc. Tetrahydrobenzothiepins. 3,287,370, 11–22–66, Cl. 260—327.

Mohsin, Mohamed E., to National Research Development Corp. Fluid-controlled lubricated bearings. 3,251,633, 5–17–66, Cl. 308—5.

Moinat, Pierre, to Omega, Louis Brandt & Frere S.A. Wristwatch. 3,259,283, 7–5–66, Cl. 224—4.

Moiroux, Auguste, and J. Guy, to Societe d'Etudes et de Participations Eau, Gaz, Electricite, Energie S.A. Plants including at least two free piston autogenerators intended to work in given phase relation to each. 3,267,916, 8–23–66, Cl. 123—46.

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Moise, John C., and J. E. Tileston, to Aerojet-General Corp. Recoverable space vehicle. 3,232,560, 2–1–66, Cl. 244—1.

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Moiso, Ugo: *See*—
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Moiso, Ugo, and S. S. Papa, to Aziende Colori Nazionali Affini ACNA S.p.A. Metal complex monoazo dyestuffs. 3,244,691, 4–5–66, Cl. 260—151.

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Mojonnier, Albert, Inc.: *See*—
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Mojonnier, Harry G., Witt, and Skoll. 3,260,504.
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Witt, Chester J., Skoll, and Mojonnier. 3,272,020.

Mojonnier, Harry G., C. J. Witt, and S. P. Skoll, to Mojonnier Bros. Co. Seat arrangement for control valves and the like. 3,260,504, 7–12–66, Cl. 251—357.

Mojonnier, Harry G., C. J. Witt, and S. P. Skoll, to Mojonnier Bros. Co. Flow control for a multiple-effect evaporator. 3,286,764, 11–22–66, Cl. 159—44.

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Moklebust, Olav, to R-N Corp. Methods and apparatus for ore reduction and processing of other chemically reactive aggregates. 3,228,670, 1–11–66, Cl. 266—20.

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Mol, Hans C., to Giannini Controls Corp. Integrating device. 3,233,464, 2–8–66, Cl. 73—490.

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Molczyk, Theodore: *See*—
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Moldovan, Richard J., and W. C. Pritchett. Photoconductive time delay device. 3,264,478, 8–2–66, Cl. 250—206.

Mole, Cecil J., and U. F. Cassidy, to Westinghouse Electric Corp. Thermoelectric heat exchange apparatus. 3,290,177, 12–6–66, Cl. 136—204.

Mole, George, to E.R.A. Patents Ltd. Apparatus for detecting discharges in insulation and for discriminating between such discharges and any discharges occurring in termination means carried by such insulation. 3,246,237, 4–12–66, Cl. 324—54.

Mole, George, to E.R.A. Patents Ltd. Electrical discharge simulator for insulation testing including relay means connected across series capacitors. 3,287,635, 11–22–66, Cl. 324—54.

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Moles, Leslie, to Hughes Aircraft Co. Method for producing a boron diffused silicon transistor. 3,287,188, 11–22–66, Cl. 148—187.

Moles, Warren H., and R. N. Rhodes, to Radio Corp. of America. Direct-current restorer system for color television receiver. 3,272,914, 9–13–66, Cl. 178—5.4.

Molex Products Co.: *See*—
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Molho, Darius, and E. Boschetti, to Lipha. New substituted coumarines. 3,293,255, 12–20–66, Cl. 260—295.5.

Molin, Urban, and S. L. Hallerback, to W. Dan Bergman, Aktiebolaget. Electro-mechanical actuating devices. 3,243,-013, 3–29–66, Cl. 184—14.

Molina, Orlando G., to North American Aviation, Inc. Resolving method. 3,243,876, 4–5–66, Cl. 29—407.

Molina, Orlando G., to North American Aviation, Inc. Inspection method. 3,279,243, 10–18–66, Cl. 73—104.

Molina, Rogelio: *See*—
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Molina di Gaudenzio, Vittorio. Method for the production of therapeutically valuable 4-oxo-(β-aminoethyl)-3,4-dihydro-(benzo-1,3-oxazine) and salts thereof. 3,244,704, 4–5–66, Cl. 260—244.

Molinaro, Angelo A. Flexible handle spoon. 3,226,825, 1–4–66, Cl. 30—327.

Moline, Willard L.: *See*—
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Molins, Desmond W., to The Molins Organisation Ltd. Apparatus for enclosing quantities of particulate material. 3,241,288, 3–22–66, Cl. 53—180.

Molins, Desmond W., to The Molins Organisation Ltd. Apparatus for filling a container. 3,241,289, 3–22–66, Cl. 53—236.

Molins, Desmond W., to The Molins Organisation Ltd. Apparatus for filling a container with rod-like articles. 3,262,-243, 7–26–66, Cl. 53—150.

Molins, Desmond W., to The Molins Organisation Ltd. Apparatus for filling boxes, trays or the like. 3,267,641, 8–23–66, Cl. 53—148.

Molins, Desmond W., to The Molins Organisation, Ltd. Apparatus for filling boxes, trays or the like. 3,271,927, 9–13–66, Cl. 53—236.

Molins, Desmond W., and H. A. Stone, to The Molins Organisation Ltd. Apparatus for transferring cigarettes. 3,229,802, 1–18–66, Cl. 198—20.

Molins, Desmond W., and T. Rowlands, to The Molins Organisation Ltd. Manufacture of mouthpiece cigarettes. 3,267,820, 8–23–66, Cl. 93—1.

Molins, Desmond W., G. F. W. Powell, and F. Pocock, to Molins Machine Co. Ltd. Tobacco-manipulating machines. 3,288,147, 11–29–66, Cl. 131—21.

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Molins Organisation Ltd., The: *See*—
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Cruickshank, Geoffrey A. 3,263,397.
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Mason, James A., and Doerman. 3,241,414.
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McCombie, Alan K., and Heybourn. 3,261,450.
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Watson, Ian C., Preston, and Williamson. 3,240,503.
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Williamson, David T. N. 3,279,145.
Williamson, David T. N., Muir, and Monk. 3,243,178.
Williamson, David T. N., Orloff, and Barber. 3,226,769.
Williamson, David T. N., and Davies. 3,277,630.
Youngman, Derek H., and Davies. 3,277,630.

Molique, Lawrence G., to Phillips Petroleum Co. Method and apparatus for rebolling a heated system. 3,230,158, 1–18–66, Cl. 203—98.

Molique, Lawrence G., to Phillips Petroleum Co. Method and apparatus for operating underground storage caverns. 3,253,414, 5–31–66, Cl. 61—.5.

Molitor, Arvid A. Rotary solenoid having a stepped output. 25,992, 3–22–66, Cl. 310—37.

Molitor, Donald H., and R. F. Richardson, to The Richline Co., Inc. Rivet gun. 3,280,615, 10–25–66, Cl. 72—391.

Molitor, Kermit A. Portable motor-driven saw. 3,270,785, 9–6–66, Cl. 143—43.

Molitor, Victor D. Knockout die. 3,255,526, 6–14–66, Cl. 30—360.

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Pajak, Theodore P., Barsam, and Moll. 3,252,548.

Moll, Edward J., Jr.: *See*—
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Moll, Edward J., Jr., to Mobil Oil Corp. Thermal hydrodealkylation of naphthalene precursors. 3,288,873, 11–29–66, Cl. 260—672.

Moll, Jan J. A., to Fabriek van Chemische Producten Vondelingenplaat N.V. Vat dyes. 3,228,958, 1–11–66, Cl. 260—316.

Moll, Oswin C. Compact layout tool. 3,242,578, 3–29–66, Cl. 33—88.

Moll, Werner. Apparatus for neutralisation of etching emulsions. 3,243,044, 3–29–66, Cl. 210—122.

Moll, Worth J. Beam compass. 3,292,262, 12–20–66, Cl. 33—27.

Molla, Charles P., and A. Ladogana, to Molla Inc. Coupling devices for straps or webbings. 3,263,295, 8–2–66, Cl. 24—265.

Molla Inc.: *See*—
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Mollard, Paul, to Societe d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electriques d'Ugine. Process for the manufacture of trihydrate of alumina. 3,265,466, 8–9–66, Cl. 23—143.

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Moller, Friedrich, W. Thoma, and G. Braun, to Farbenfabriken Bayer Aktiengesellschaft. Method for making polyurethane plastics using aminourethane and aminourea catalysts. 3,243,389, 3–29–66, Cl. 260—2.5.

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Moller, Jens R. L., to Reynolds Metals Co. Method and apparatus for making cup-shaped articles and the like. 3,236,088, 2–22–66, Cl. 72—328.

Moller, Rolf, to Fernseh G.m.b.H. Method of and apparatus for recording and reproducing television and like wideband signals. 3,236,943, 2–22–66, Cl. 178—6.7.

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Möller, Tilo W., to Messrs. Heckler & Koch, G.m.b.H. Automatic pistol. 3,227,046, 1–4–6, Cl. 89—196.

Möller, Waldemar, to Bodenseewerk Perkin-Elmer & Co. G.m.b.H. Automatic pilot. 3,239,166, 3–8–66, Cl. 244—79.

Moller, Wilhelm, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of sulfur trioxide. 3,259,459, 7–5–66, Cl. 23—176.

Mollet, Adrianus J. T.: *See*—
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Mollica, Richard J., Jr.: *See*—
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Mollick, Milton, to Ametek, Inc. Gauge. 3,250,292, 5–10–66, Cl. 137—505.28.

Mollinga, Thomas, to Burroughs Corp. Amplifier with constant amplitude output. 3,268,828, 8–23–66, Cl. 330—24.

Mollinga, Thomas, to Burroughs Corp. Double sideband suppressed carrier modulator. 3,273,078, 9–13–66, Cl. 332—43.

Mollo, Frank J., to Bell Telephone Laboratories, Inc. Nonsaturating blocking oscillator. 3,239,777, 3–8–66, Cl. 331—112.

Mollo, George J. Apparatus including rotary drum means for testing a plurality of electrical circuits. 3,287,633, 11–22–66, Cl. 324—51.

Molloy, Brian J. Apparatus for shearing pieces from a length of stock. 3,242,787, 3–29–66, Cl. 83—390.

Molloy, Richard P., to Brunswick Corp. Chair structure. 3,250,509, 5–10–66, Cl. 248—417.

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Molnar, Istvan, T. Wagner-Jauregg, and O. Buch, to Siegfried Aktiengesellschaft. Carbamates of benzotriazoles. 3,280,-138, 10–18–66, Cl. 260—308.

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Moloney, Donald J., & Associates, Inc.: *See*—
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Moloney, James V. Automatic liquid livestock feeder. 3,234,-910, 2–15–66, Cl. 119—51.11.

Moloney, John J., and C. N. Foster, to Continental Can Co., Inc. Container finish and closure cap construction. 3,285,452, 11–15–66, Cl. 215—40.

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Molstedt, Byron V., and G. K. Patterson, to Esso Research and Engineering Co. Apparatus for treating fluidized solids systems. 3,267,586, 8–23–66, Cl. 34—57.

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Molzhon, Fred I. Furnace humidifier. 3,263,673, 8–2–66, Cl. 126—113.

Momberger, Richard A., to Sylvania Electric Products Inc. Sync pulse separating and AGC circuitry. 3,256,502, 6–14–66, Cl. 178—7.3.

Momchilovich, Milan, and W. F. Rhodes, to The Falls Stamping and Welding Co. Oil burner equipment. 3,261,389, 7–19–66, Cl. 158—4.

Mommsen, Adolph C., to Metal-Matic, Inc. Wedge connection for attaching foot or leg rests to wheel chairs. 3,230,-010, 1–18–66, Cl. 297—429.

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Mommsen, Gordon V., to Possis Machine Corp. Coating apparatus having slidable flow control member. 3,240,533, 3–15–66, Cl. 302—49.

Mommsen, Gordon V., and N. M. Clark, to Possis Machine Corp. Coupon dispenser. 3,281,143, 10–25–66, Cl. 271—10.

Momol, Kazuo. Fishing net. 3,242,699, 3–29–66, Cl. 66—193.

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Mona, William F., to Allied Chemical Corp. Reciprocal multiple saw for cellular resinous bodies. 3,242,779, 3–29–66, Cl. 83—4.

Monaco, Foster F. and R. R. Food-serving device. 3,241,-706, 3–22–6,, Cl. 220—17.

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Monaco, Rosario R., and A. S. Valente, to Mastercraft Medical and Industrial Corp. Resuscitation device for mouth-to-mouth respiration. 3,252,457, 5–24–66, Cl. 128—29.

Monaghan, Alfred C., to Serv-All Machinery Corp. Heating tunnel. 3,226,839, 1–4–66, Cl. 34—21.

Monaghan, Ralph, to Dresser Industries, Inc. Compound scintillation detector for simultaneous detection of thermal and epithermal neutrons. 3,288,996, 11–29–66, Cl. 250—71.5.

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Monaghan, William T., to Rolls-Royce Ltd. Gas turbine engine with pivotally interconnected deflector members. 3,290,886, 12–13–66, Cl. 60—226.

Monahan, Frederick A., to International Electronic Research Corp. High energy impact machine. 3,271,991, 9–13–66, Cl. 72—453.

Monahan, Jack J.: *See*—
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Monarch Marking System Co., The: *See*—
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Rieger, Frederic L., and Hamisch. 3,273,705.

Monarch Rubber Co., The: *See*—
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Monarch Tool & Machinery Co.: *See*—
Bey, Ahmet K. 3,277,681.
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Monasterio, Francesco. Automatic cigarette lighter. 3,292,-817, 12–20–66, Cl. 221—145.

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Moncrieff, Alexander D. F., to Michigan Tool Co. Indexing mechanism. 3,252,358, 5–24–66, Cl. 77—64.

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Mondain-Monval, Gerard, and G. Audric, to l'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Apparatus for projecting materials in powder form by means of a concentrated electric arc. 3,235,700, 2–15–66, Cl. 219—76.

Mondain-Monval, Gerard, and G. Audric, to l'Air Liquide, Societe Anonyme pour l'Etudes et l'Exploitation des Procedes Georges Claude. Device for projecting pulverulent materials by means of a plasma torch. 3,280,295, 10–18–66, Cl. 219—76.

Monday, Zephyr, to U-Stretch Corp. Narrowing and widening apparatus and method for knitting machines. 3,256,715, 6–21–66, Cl. 66—46.

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Montgomery, Eldwin C., H. N. Dean, and C. H. Cowley, to Libbey-Owens-Ford Glass Co. Production of multiple glass sheet glazing units. 3,257,187, 6–21–66, Cl. 65—152.
Montgomery Elevator Co.: *See*—
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Martin, Richard F. 3,253,679.
Montgomery, Franklin L., and D. C. Remy, to E. I. du Pont de Nemours and Co. Polymers consisting of 1,3,4-oxadiazole rings linked by perfluoroalkylene and optionally, arylene radicals. 3,275,608, 9–27–66. Cl. 260—78.4.
Montgomery, Howard C., to International Business Machines Corp. Error classification and correction system. 3,248,-697, 4–26–66, Cl. 340—146.1.
Montgomery, James B.: *See*—
Sparrow, William T., and Montgomery. 3,227,286.
Montgomery, James L.: *See*—
Potter, Kenneth F., Brown, and Montgomery. 3,278,045.
Montgomery, Jesse S., to Montgomery Drilling Co. Pipe spinner. 3,277,750, 10–11–66, Cl. 81—57.
Montgomery, John R.: *See*—
Wolfner, William F., Wallace, Soltis, Griswold, and Montgomery. 3,256,025.
Montgomery, John R., J. G. Wallace, and G. L. Soltis, to Dictaphone Corp. Marker apparatus for dictating machines. 3,254,347, 5–31–66, Cl. 346—77.
Montgomery, Kent, to Gould-National Batteries, Inc. Tape wrapping machine. 3,291,403, 12–13–66, Cl. 242—7.
Montgomery, Maxson H. Swimming aid. 3,290,707, 12–13–66, Cl. 9—307.
Montgomery, Norman E., to Shell Oil Co. Method for drilling underwater well. 3,291,209, 12–13–66. Cl. 166—5.
Montgomery, Norman E., and F. F. Martin, to Shell Oil Co. Method and apparatus for drilling underwater wells. 3,259,198, 7–5–66, Cl. 175—7.
Montgomery, Orin C., to Phillips Petroleum Co. Radio seismic system. 3,283,295, 11–1–66. Cl. 340—15.5.
Montgomery, Philip S.: *See*—
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Montgomery, Samuel J.: *See*—
Hagadorn, Marold W., and Montgomery. 3,268,305.
Montgomery, Stewart R., to W. R. Grace & Co. Novel octahydro-6(5)-phenanthridinones and preparation thereof. 3,291,801, 12–13–66, Cl. 260—289.
Montgomery, Walter J. Lamp burn out monitoring device. 3,252,137, 5–17–66, Cl. 340—85.
Montgomery, Warren G., and W. R. Eberle, to Jeffrey Galion Mfg. Co. Loading conveyor with thin flat support and table members. 3,254,751, 6–7–66, Cl. 198—7.
Montgomery, William T.: *See*—
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Monti, Angelo, to Jarrow Products, Inc. Casket assembly. 3,242,537, 3–29–66, Cl. 20—69.
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Melvin, James M., and Robison. 3,280,989.
Monticello State Bank: *See*—
Pasker, Gerald J. 3,236,189.
Montner, Joseph, to Aerojet-General Corp. Modulator-demodulator amplifier. 3,253,228, 5–24–66, Cl. 330—10.
Montone, Liber J., to Western Electric Co., Inc. Apparatus for testing asymmetrically conducting electrical device for opens, shorts, and polarity orientation. 3,265,971, 8–9–66, Cl. 324—158.
Montooth, Jack W., to North American Aviation, Inc. Override control means for automatic landing system. 3,265,-333, 8–9–66, Cl. 244—77.
Montooth, Jack W., to North American Aviation, Inc. Aircraft landing system. 3,280,310, 10–18–66, Cl. 235—150.22.
Montovanello, Giovanni, to Montecatini, Societa Generale per l'Industria Mineraria e Chimica. Connector device, particularly for fastening current conductors to carbon electrodes. 3,258,416, 6–28–66, Cl. 204—280.
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Montrois, Thomas C.: *See*—
Connolly, Lewis T., and Montrois. 3,272,628.
Montrose Mfg. Co., Inc.: *See*—
Matross, Irving B. and S. 3,294,134.
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Fannon, John J., Jr., R. J. Fannon, and Moody. 3,278,-722.
Moody, Herbert R., to Rohm & Haas Co. Dry sulfonated ion exchange resin compositions. 3,240,724, 3–15–66, Cl. 260—2.2.
Moody, Merton W., to Hughes Aircraft Co. Anti-race flip-flop. 3,247,399, 4–19–66. Cl. 307—88.5.
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Moody, Warren E. Yieldable drive connection for lawn mowers and the like. 3,252,304, 5–24–66, Cl. 64—29.
Moody, Warren E. Hoisting devices. 3,265,362, 8–9–66, Cl. 254—186.
Moody, Warren E. Garage door operators. 3,289,350, 12–6–66, Cl. 49—28.
Moody, Willard B. Joint raker. 3,237,235, 3–1–66, Cl. 15—235.3.
Moody, Willard B. Block lifter. 3,237,979, 3–1–66, Cl. 294—16.
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Moog, William C., Jr. 3,228,423.
Moog, William C., Jr., to Moog Servocontrols, Inc. Fluid control valve in which a mechanical motion is transmitted from a dry region to a pressurized fluid filled region. 3,228,423, 1–11–66, Cl. 137—625.62.
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Newman, Howard, Moon, and English. 3,287,366.
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Hann, Melvin M., and Moon. 3,230,899.
Moon, Harry C., Jr., to Sundstrand Corp. Hydrostatic transmission. 3,247,919, 4–26–66, Cl. 180—6.48.
Moon, Harry C., Jr., to Sunstrand Corp. Pump swashplate control. 3,282,225, 11–1–66, Cl. 103—162.
Moon, Jack L., to Eberline Instrument Corp. Scintillation alpha counter. 3,256,436, 6–14–66, Cl. 250—83.3.
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Dunn, Robert O., and Moon. 3,285,024.
Palen, Joseph W., and Moon. 3,229,471.
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Moon, John J., to Phillips Petroleum Co. Preparation of soluble polymer and catalyst residues by concentration process. 3,257,372, 6–21–66, Cl. 260—93.7.
Moon, John J., and G. A. Renberg, to Phillips Petroleum Co. Solvent and monomer recovery. 3,245,967, 4–12–66, Cl. 260—88.2.
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Isenberg, Sampson, Shaw, and Moon. 3,284,082.
Moon, Sterling C., deceased (by K. M. Moon, administratrix), to Jeffrey Galion Mfg. Co. Continuous mining machine and control system therefor. 3,232,668, 2–1–66, Cl. 299—1.
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Mooney, Charles F., to Bausch & Lomb Inc. Laser pumping using an ellipsoid reflector. 3,238,470, 3–1–66, Cl. 331—94.5.
Mooney, Eric F., and W. Gerrard, to F. W. Berk & Co. Ltd. Preparation of aromatic boron dihalides. 3,238,256, 3–1–66, Cl. 260—543.
Mooney, George M., to Capitol Gears Inc. Integral gear. 3,245,280, 4–12–66, Cl. 74—462.
Mooney, George M., to Capitol Gears Inc. Method of making a one-piece integral/composite gear. 3,248,782, 5–3–66, Cl. 29—159.2.
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Christenson, Howard W., Mooney, and Schaefer. 3,285,-000.
Tuck, Robert M., and Mooney. 3,270,586.
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Mooney, Laurence R., and L. B. Lueck, to Elliott Business Machines, Inc. Stencil construction. 3,280,732, 10–25–66, Cl. 101—128.2.
Mooney, Merrick F., to Westinghouse Electric Corp. Oven. 3,258,574, 6–28–66, Cl. 219—10.55.
Mooney, Raymond J., and F. A. Roepcke, to Curtiss-Wright Corp. Multiple unit flywheel with engine condition control. 3,280,653, 10–25–66, Cl. 74—572.
Mooneyham, Noble L., to Durant Insulated Pipe Co., Inc. Conduit system. 3,250,297, 5–10–66, Cl. 138—113.
Moons, Hugo, and P. M. P. De Hous, to International Standard Electric Corp. Method and arrangement for baring electric ribbon cables. 3,261,239, 7–19–66, Cl. 81—9.51.
Moor, Alex H.: *See*—
Barnett, Louis H., Cropley, and Moore. 3,238,568.
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Stoudenheimer, Richard G., and Moor. 3,280,356.
Moor, Mario, to Sulzer Bros. Ltd. Remote control arrangement for a reciprocating internal combustion engine. 3,282,-259, 11–1–66, Cl. 123—41.
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Moore, Alan, to Bristol Siddeley Engines Ltd. Cooling of aerofoil members. 3,246,469, 4–19–66, Cl. 60—35.55.
Moore, Albert N. Method of and apparatus for detecting counterfeit currency. 3,235,074, 2–15–66, Cl. 209—75.
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Moore, Arthur F. and G. R., to Moore's Time-Saving Equipment, Inc. Rug cleaning machine. 3,253,432, 5–31–66, Cl. 68—22.
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Moore, Arthur H., and E. M. Katz, to Max Factor & Co. Lipstick holder having a drive carriage with detachable cosmetic cup. 3,230,960, 1–25–66, Cl. 132—88.7.
Moore, Arthur H., and J. G. Bacevius, to The Bridgeport Metal Goods Mfg. Co. Electric hand lantern. 3,252,783, 5–24–66, Cl. 240—10.63.
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Moore, Laurence. 3,257,644.
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Moore, Beverly L., to Roper-Wright Mfg. Co., Inc. Automatic header control apparatus. 3,286,448, 11–22–66, Cl. 56—208.
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Moore, Buell, to Esquire, Inc. Floodlight. 3,284,621, 11–8–66, Cl. 240—3.
Moore, Buell, to Esquire, Inc. Floodlight. 3,284,622, 11–8–66, Cl. 240—3.
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Porter, Virgil V. 3,273,784.
Wallace, Stanley R. 3,255,694.
Moore, Carl N., to Automata, Inc. Coin-operated bowling-shoe renting apparatus. 3,241,647, 3–22–66, Cl. 194—10.
Moore, Cecil L., and J. W. McEntire, to E & R Laboratory Service Corp. Cable quick disconnect. 3,276,799, 10–4–66. Cl. 287—104.
Moore, Charles W., R. L. Brandon III, and J. P. Smyly, to American Lava Corp. Bearings. 3,284,144, 11–8–66, Cl. 308—3.
Moore, Chester L., and K. W. Gray, to Amated Industries Inc. Cope cleaning device. 3,280,415, 10–25–66, Cl. 15—4.
Moore, Coleman B.: *See*—
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Adams, Robert B., and Moore. 3,262,466.
Adams, Robert B., and Moore. 3,267,946.
Symnoski, Robert V., and Moore. 3,232,095.
Moore, David J., to General Dynamics Corp. Shielded antenna. 3,228,030, 1–4–66, Cl. 343—746.
Moore, David P. Methods of making alcohols from tubers. 3,243,300. 3–29–66, Cl. 99—34.
Moore, David P. Solid explosive composition and method of preparation employing vulcanized rubber and a solid inorganic oxidizing salt. Re. 26,108, 11–1–66. Cl. 149—19.
Moore, David P. Treatment of nickel and its alloys with calcium and the products therefrom. 3,259,493, 7–5–66, Cl. 75—170.
Moore, David P. Lithium perchlorate explosive. 3,265,544, 8–9–66, Cl. 149—19.
Moore, David P. Portable variable density sound recorder and reproducer. 3,268,671, 8–23–66, Cl. 179—100.3.
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Hamilton, Earl F., Moore, and Lay. 3,241,902.
Moore, Donald L., and O. E. Snyder, to Hamilton Cosco, Inc. Stationery receptacle. 3,266,860, 8–16–66, Cl. 312—350.
Moore, Donald L., and O. E. Snyder, to Hamilton Cosco, Inc. Chair. 3,275,375, 9–27–66, Cl. 297—445.
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Lawson, Joseph M. 3,265,207.
Lawson, Joseph M. 3,279,600.
Moore, Earl. Cleaning kit having a sponge wringer. 3,276,-064, 10–4–66, Cl. 15—261.
Moore, Earl P.: *See*—
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Moore, Earl P., Jr., A. S. Millan, Jr., and H. S. Eleuterio, to E. I. du Pont de Nemours and Co. Fluorocarbon ethers derived from hexafluoropropylene epoxide. 3,250,808, 5–10–66, Cl. 260—535.
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Moore, Edward H., to The Gems Co., Inc. Liquid level indicator. 3,283,578, 11–8–66, Cl. 73—321.
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Moore, Edward T., and T. G. Wilson: Inverter circuitry using controlled rectifiers. 3,281,644, 10–25–66, Cl. 321—45.
Moore, Edwin B.: *See*—
Healey, John E., Jr., and Moore. 3,265,069.
Moore, Edwin K.: *See*—
Hamilton, Earl F., and Moore. 3,232,250.
Moore, Elliott M.: *See*—
Atkinson, Jerome T., Jr., and Moore. 3,290,811.
Moore, Fletcher L., to United States of America, Atomic Energy Commission. Method for separating members of actinide and lanthanide groups. 3,276,849, 10–4–66, Cl. 23—340.
Moore, Fletcher L., to United States of America, Atomic Energy Commission. Method for removing lanthanides and trivalent actinides from aqueous nitrate solutions. 3,294,-494, 12–27–66, Cl. 23—340.
Moore, Francis C.: *See*—
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Moore, Francis J. Farm gate. 3,285,322, 11–15–66, Cl. 160—144.
Moore, Francis W. Mechanical linkage. 3,229,807, 1–18–66, Cl. 198—229.
Moore, Fred F., to Music & Sound, Inc. Magnetic tape playback equipment. 3,285,526, 11–15–66, Cl. 242—55.19.
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Moore, Fred W., and M. G. Lawson, to General Electric Co. Method and apparatus for degasifying epoxy resin. 3,242,-643, 3–29–66, Cl. 55—46.
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Moore, George L., and J. F. Vitcha, to Cumberland Chemical Corp. Process for the preparation of amines of the acetylenic series. 3,268,524, 8–23–66, Cl. 260—246.
Moore, George L., and J. F. Vitcha, to Cumberland Chemical Corp. Acetylenic amides. 3,268,583, 8–23–66, Cl. 260—561.
Moore, George R. Retaining wall structure. 3,254,490, 6–7–66, Cl. 61—39.
Moore, George R. Hillside stabilising construction. 3,269,-125, 8–30–66, Cl. 61—35.
Moore, George R., and P. Adelman. Laminated decking. 3,249,079, 5–3–66, Cl. 114—.5.
Moore, George W.: *See*—
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Moore, Howard N. 3,236,369.
Moore, Howard N. 3,272,684.
Moore, Gordon E., to Fairchild Camera and Instrument Corp. Semiconductor tetrode. 3,271,640, 9–6–66, Cl. 317—235.
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Moore, Arthur F. and G. R. 3,253,432.
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Moore, Harold R., and W. T. Sears, to Bell Telephone Laboratories, Inc. Automatic calling line identification circuit. 3,243,514. 3–29–66, Cl. 179—17.
Moore, Harold R., and R. J. Cossaart, to Westinghouse Electric Co. Corona and magnetic shielding structure for electrical transformers. 3,281,745, 10–25–66, Cl. 336—84.
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Moore, Harold W., and F. F. Rust, to Shell Oil Co. Sulfone production. 3,267,150, 8–16–66, Cl. 260—607.
Moore, Harry J., to Aerojet-General Corp. Metal marking composition. 3,246,995, 4–19–66, Cl. 106—1.
Moore, Harry W. Device for inserting wedges in coil slots. 3,230,611, 1–25–66, Cl. 29—155.5.
Moore, Harry W. Apparatus for winding armatures. 3,231,-206, 1–25–66, Cl. 242—13.
Moore, Harry W. Coil winding machine. 3,251,559, 5–17–66, Cl. 242—1.1.
Moore, Harwood B., to General Electric Co. Load circuits for intercommunication system. 3,283,075, 11–1–66, Cl. 179—1.
Moore, Harwood B., to General Electric Co. Volume control circuits for intercommunication systems. 3,283,076, 11–1–66, Cl. 179—1.
Moore, Harwood B., and J. A. Stein, to General Electric Co. Dust remover for phonographs. 3,290,045, 12–6–66, Cl. 274—47.
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Moore, Howard N., deceased; G. W. Moore, administrator. Compartmented package. 3,236,369. 2–22–66. Cl. 206—56.
Moore, Howard N., deceased; G. W. Moore, administrator, to Lamont & Riley, Inc. Expansion joint. 3,272,684, 9–13–66, Cl. 161—37.
Moore, Howard V.: *See*—
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Moore, Howard V., and N. B. Godfrey, to Jefferson Chemical Co. Inc. Corrosion inhibitors from amine residue. 3,269,-999, 8–30–66, Cl. 260—102.
Moore, Ivan G., H. L. Higgins, and W. Sobol, to Westinghouse Brake and Signal Co. Ltd. Force-exerting apparatus. 3,238,847, 3–8–66, Cl. 91—41.
Moore, Jack, and D. W. Williams, to United Kingdom Atomic Energy Authority. Methods of operating gas cooled nuclear reactors. 3,248,297, 4–26–66, Cl. 176—19.
Moore, Jackson C., and S. C. Lyons, to Georgia Kaolin Co. Apparatus for whitening clay. 3,236,606, 2–22–66, Cl. 23—262.
Moore, James E., Jr., to Lindsay Controls, Inc. Fire-intrusion automatic telephone dial alarm device. 3,287,500, 11–22–66, Cl. 179—5.
Moore, James J., to Union Carbide Corp. Electrical signal modifying circuits. 3,235,719, 2–15–66, Cl. 235—197.
Moore, James J., to Union Carbide Corp. Coupling circuit for an electrical readout integrator. 3,284,674, 11–8–66, Cl. 317—231.
Moore, James K., P. C. Goldmark, B. R. Linden, and M. P. Wilder, to Columbia Broadcasting System, Inc. Image scanning apparatus. 3,274,581, 9–20–66, Cl. 340—324.
Moore, James M. Cylinder ridge remover. 3,264,904, 8–9–66, Cl. 77—2.
Moore, James M. Window pane molding. 3,271,232, 9–6–66, Cl. 161—175.
Moore, James W., to McGraw-Edison Co. Arcfurnace electrode control. 3,229,148, 1–11–66, Cl. 314—75.
Moore, James W., to McGraw-Edison Co. Electrode positioning apparatus. 3,249,673, 5–3–66, Cl. 13—16.
Moore, John C., to The Dow Chemical Co. Method and apparatus for damping a pulsating flow of liquid. 3,273,577, 9–20–66, Cl. 137—13.
Moore, John M., J. O. Motsenbocker, Jr., R. W. Matthews, D. L. Alexander, F. Hicks, L. R. Alexander, and J. V. Smith, to Phillips Petroleum Co. Article carrying case. 3,281,010, 10–25–66, Cl. 220—102.
Moore, John P., to Shell Oil Co. Multiple-tubing well packer. 3,268,005, 8–23–66, Cl. 166—119.
Moore, Joseph A., 45% to V. T. Pritchard. Scoop conveyor apparatus. 3,273,730, 9–20–66, Cl. 214—146.
Moore, Joseph E., and G. K. Kohn, to Chevron Research Co. Polyhaloalkylthiosulfenyl halides and process of preparation. 3,234,272, 2–8–66, Cl. 260—543.
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Moore, Kenneth A. E. and E. A. Spring-driven motors. 3,288,126. 11–29–66, Cl. 123—179.
Moore, Kenneth M., to Gemological Institute of America. Photographing equipment. 3,292,490, 12–20–66, Cl. 88—24.
Moore, Laurence, to Moore Associates, Inc. Code validity system and method for serially coded pulse trains. 3,252,-139, 5–17–66, Cl. 340—146.1.
Moore, Laurence, to Moore Associates, Inc. Encoding system and method. 3,257,644, 6–21–66, Cl. 340—152.
Moore, Laurence. Digital monitoring system. 3,293,605, 12–20–66, Cl. 340—150.
Moore, Lawrence A., to Beloit Corp. Tree harvester. 3,269,-436, 8–30–66, Cl. 144—3.
Moore, Lawrence A., and L. H. Hess, to Beloit Corp. Vertical refiner. 3,286,938, 11–22–66, Cl. 241—162.
Moore, Lawrence K. Wire-line actuated detonator device. 3,285,171, 11–15–66, Cl. 102—20.
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Moore, Lorenzo D., and J. H. Banks, to Ferro Corp. Felted fibrous mat and apparatus for manufacturing same. 3,232,-821, 2–1–66, Cl. 161—155.
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Moore, Mary L., M. A. Breslin, and W. F. Schmitt, to Sperry Rand Corp. Digital data processor visual display. 3,248,-703, 4–26–66, Cl. 340—172.5.
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Kobler, Richard, and Moore. 3,281,959.
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Green, Milton, and Moore. 3,252,990.
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Adams, Robert B., and Moore. 3,262,466.
Adams, Robert B., and Moore. 3,267,946.
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Moore, R. Dale, to International Harvester Co. Backhoe. 3,243,065, 3–29–66, Cl. 214—138.
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Moore, Ralph W., to The Pangborn Corp. Vibratory finishing. 3,238,674, 3–8–66, Cl. 51—163.
Moore, Ralph W., to The Pangborn Corp. Vibratory finishing. 3,239,968, 3–15–66, Cl. 51—163.
Moore, Ralph W., to The Pangborn Corp. Pressure blast apparatus. 3,267,615, 8–23–66, Cl. 51—8.
Moore, Ralph W., to The Pangborn Corp. Screen and pneumatic separator. 3,269,532, 8–30–66, Cl. 209—33.
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Moore, Ray T., Jr., to Ampex Corp. Driver circuit for magnetic recording heads. 3,267,482, 8–16–66, Cl. 346—74.
Moore, Raymond H., to United States of America, Atomic Energy Commission. Polonium recovery. 3,271,320, 9–6–66, Cl. 252—301.1.
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Moore, Raymond W., Jr., to Arthur D. Little, Inc. Extreme high vacuum apparatus. 3,262,279, 7–26–66, Cl. 62—45.
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Moore, Richard N., R. V. Lawrence, and W. H. Schuller, to United States of America, Agriculture. Peroxy and hydroperoxy derivatives of rosin acids. 3,230,235, 1–18–66, Cl. 260—340.3.
Moore, Richard N., R. V. Lawrence, and W. H. Schuller, to United States of America, Agriculture. Polymerizable polyester compositions. 3,268,621, 8–23–66, Cl. 260—861.
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Moorehead, James R., to The Boeing Co. Method and apparatus for varying the area of an air flow device. 3,258,913, 7–5–66, Cl. 60—35.6.
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Moosmann, Alois. Carriage guide for machine tools or the like. 3,236,569, 2–22–66, Cl. 308—6.

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Moran, James S., Jr. Accessory for trying on suits of clothing. 3,230,547, 1–25–66, Cl. 2—119.

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Moreau, Norman, and J. A. Seifert, to Corning Glass Works. Glass tube forming. 3,245,773, 4–12–66, Cl. 65—187.

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Moren, Rolf E., to Mo Och Domsjo AB. Mold or core composition for metal casting purposes. 3,285,756, 11–15–66, Cl. 106—38.5.

Morena, Carmen G. Apparatus for storing and automatically dispensing flowable material. 3,227,313, 1–4–66, Cl. 222—57.

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Moretti, Giorgio, and A. Turchi, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Process for preparing pure beryllium dialkyls. 3,254,133, 5–31–66, Cl. 260—665.

Moretti, Giorgio, F. Dini, and V. D'Alessandro, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Process for preparing the organometallic component of a catalytic system. 3,262,888, 7–26–66, Cl. 252—431.

Moretti, Giorgio, and G. Corsi, to Montecatini Societa Generale per l'Industria Minerari e Chimica. Process for preparing a supported catalyst for the stereospecific polymerization of alpha-olefins. 3,288,720, 11–29–66, Cl. 252—429.

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Morey, Kenneth H., and K. E. Perry, to Massachusetts Institute of Technology. Peak holding circuit. 3,259,760, 7–5–66, Cl. 307—88.5.

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Morf, Ernest. Winding and hand-setting stem arrangement in a watchcase. 3,269,107, 8–30–66, Cl. 58—73.

Morf, Ernest. Method for opening a watchcase. 3,273,228, 9–20–66, Cl. 29—177.

Morf, Max, and W. Heizler, to Ciba Ltd. 2,4,6,8,9-pentaazabicyclo-[3,3,1]-nona-2,6-dienes and process for their manufacture. 3,290,310, 12–6–66, Cl. 260—249.9.

Morford, Vilas J., and L. Eggenberger, to Iowa State University Research Foundation, Inc. Portable bleacher unit. 3,230,907, 1–25–66, Cl. 108—50.

Morgan Adhesives Co.: *See*—
Morgan, Burton D. 3,227,604.
Morgan, Burton D. 3,240,647.
Morgan, Burton D. 3,263,680.
Morgan, Burton D. 3,276,449.
Questel, John M. 3,260,260.
Questel, John M. 3,293,100.

Morgan, Allan C., R. A. Menger, and R. H. Davis. Method of making a vulcanized wire reinforced tire by means of induction heating. 3,294,606, 12–27–66, Cl. 156—124.

Morgan, Burton D., to Morgan Adhesives Co. Non-skid tread. 3,227,604, 1–4–66, Cl. 161—162.

Morgan, Burton D., to Morgan Adhesives Co. Laminated printed circuit and method of making same. 3,240,647, 3–15–66, Cl. 156—249.

Morgan, Burton D., to Morgan Adhesives Co. Surgical or vaginal drape. 3,263,680, 8–2–66, Cl. 128—132.

Morgan, Burton D., to Morgan Adhesive Co. Adhesive bra. 3,276,449, 10–4–66, Cl. 128—505.

Morgan Construction Co.: *See*—
Boghosian, Harry. 3,259,442.
Hermes, Robert J., and Rodnick. 3,258,953.
Hermes, Robert J., and Rodnick. 3,283,554.
Hill, William J. 3,234,770.
Hill, William J. 3,240,356.
Hill, William J., and Bursk. 3,251,294.
Fontaine, Richard E. 3,258,123.
Kinnicutt, Roger, Jr., and Sleurin. 3,258,951.
Klusmier, Kenneth L., and Woodrow. 3,245,299.
McLean, David W., and Easter. 3,231,432.
Morgan, Myles. 3,251,212.
Rickley, Samuel S. 3,270,836.
Scott, Roger M. 3,235,201.
Wilson, Norman A. 3,251,207.
Wilson, Norman A. 3,290,913.

Morgan, David B., and E. J. Vickers, to Imperial Chemical Industries Ltd. Non-ionic organopolysiloxanes. 3,278,485, 10–11–66, Cl. 260—46.5.

Morgan, David L.: *See*—
Mingrone, Frank V., Morgan, and Snider. 3,288,370.

Morgan, David L., H. F. Snider, and F. V. Mingrone, to Robertshaw Controls Co. Resilient disc check valve. 3,270,771, 9–6–66, Cl. 137—525.3.

Morgan, Dean O. Bent-arm multiband dipole antenna wherein overall dimension is quarter wavelength on low band. 3,229,298, 1–11–66, Cl. 343—806.

Morgan, Donald P., and D. D. Dalrymple. Apparatus for remote reading of utility meters. 3,274,584, 9–20–66, Cl. 340—347.

Morgan, Edgar A., and K. W. Bacon, to Walt Disney Productions. Air car and supporting apparatus. 3,251,595, 5–17–66, Cl. 272—1.

Morgan, Emslie A., deceased; Westminister Bank Ltd., administrator. Building structure. 3,243,117, 3–20–66, Cl. 237—1.

Morgan, Eric R., I. I. Bessen, W. Batz, and G. K. Norman, to Jones & Laughlin Steel Corp. Production of electrolytic tinplate. 3,285,838, 11–15–66, Cl. 204—37.

Morgan, Estes L., and S. A. Parish, Jr., said Parish assor. of ⅛ to said Morgan. Seat belt lock signal. 3,281,818, 10–25–66, Cl. 340—278.

Morgan, Frank S. Apparatus and method for supporting variable static loads by fluid pressure spring-shock absorber means including thermoelectrically controlled vapor pressure varying means and lock-out. 3,246,905, 4–19–66, Cl. 280—6.

Morgan, Frank S. Method and apparatus for thermo-electrically controlling fluid suspension units employed between two relatively movable members subject to varying loads. 3,250,543, 5–10–66, Cl. 280—6.

Morgan, George C.: *See*—
Hamaker, Paul, Morgan, and Powell. 3,273,695.

Morgan, George H., and R. W. Stout; said Stout assor. to said Morgan. Dispensing devices with audible announcing means. 3,258,153, 6–28–66, Cl. 221—3.

Morgan, Gerard E., to John T. Riddell, Inc. Suspension means. 3,237,201, 3–1–66, Cl. 2—3.

Morgan, Gerard E., to John T. Riddell, Inc. Protective padding structures. 3,248,738, 5–3–66, Cl. 2—2.

Morgan, Gerard E., to John T. Riddell, Inc. Protective energy absorption construction. 3,254,883, 6–7–66, Cl. 267—1.

Morgan, Gerard E., to John T. Riddell, Inc. Sizer means for helmets. 3,289,212, 12–6–66, Cl. 2—3.

Morgan, Glen W., to Sperry Rand Corp. Unidirectional motion transmitting device. 3,250,352, 5–10–66, Cl. 192—8.

Morgan, Harry, to Philco Corp. Self-biased frequency multiplier bridge utilizing voltage variable capacitor devices. 3,255,400, 6–7–66, Cl. 321—69.

Morgan, Harry C.: *See*—
Klein, Martin L., Morgan, and Bush. 3,293,608.

Morgan, Harry L., to James Lees and Sons Co. Spray dyeing pile fabrics. 3,271,102, 9–6–66, Cl. 8—151.

Morgan, Hugh M., to Honeywell Inc. Pressure operated step-opening valve. 3,236,261, 2–22–66, Cl. 137—628.

Morgan, Ian H.: *See*—
Dunster, Dave F. T., and Morgan. 3,243,670.

Morgan, Ira L., to Texas Nuclear Corp. Helium-3 thermal neutron proportional counter. 3,240,971, 3–15–66, Cl. 313—61.

Morgan, Ira L., and J. R. Porter, to Texas Nuclear Corp. Method and apparatus for pulse production in particle accelerators. 3,291,993, 12–13–66, Cl. 250—214.

Morgan, Jack, to Ametek, Inc. Indicating instrument. 3,266,457, 8–16–66, Cl. 116—129.

Morgan, Jack B., to Allegheny Ludlum Steel Corp. Pressure bonding of dissimilar metals. 3,292,256, 12–20–66, Cl. 29—497.5.

Morgan, Jack E., to E. I. du Pont de Nemours and Co. Electrostatic decoration of hot glass. 3,238,053, 3–1–66, Cl. 117—17.5.

Morgan, Jack E., W. R. Kowalka, and H. R. Swift, to Libbey-Owens-Ford Glass Co. Apparatus for heating glass sheets. 3,257,188, 6–21–66, Cl. 65—162.

Morgan, James G.: *See*—
Bamford, William P., Golding, and Morgan. 3,282,014.

Morgan, James L., and L. R. Kimball. Plotting aid. 3,243,883. 4–5–66, Cl. 33—103.

Morgan, Jesse P.: *See*—
Wagner, Joseph P., and Morgan. 3,246,640.

Morgan, Jesse P., Jr., to Robertshaw Controls Co. Selector valve. 3,260,274, 7–12–66, Cl. 137—113.

Morgan, John C., Jr.: *See*—
Dean, Harry N., Morgan, and Flaherty. 3,273,988.

Morgan, John F.: *See*—
Gray, Charles E., Morgan, and O'Neal. 3,236,199.

Morgan, John F., to Cartem Engineering Ltd. Refuse receptacles. 3,233,854, 2–8–66, Cl. 248—99.

Morgan, John L., and R. T. Billings; said Morgan assor. to said Billings. Coating apparatus and method. 3,252,847, 5–24–66, Cl. 156—233.

Morgan, John W.: *See*—
Jepson, Ivar, Morgan, and Richmond. 3,248,867.

Morgan, John W., J. J. Mahon, and J. R. Lolli, to Sunbeam Corp. Alarm set indicator. 3,279,167, 10–18–66, Cl. 58—22.7.

Morgan, La Verne E.: *See*—
Glauser, James E., Morgan, and Frisk. 3,277,738.
Hicks, Duane L., and Morgan. 3,233,405.
Hicks, Duane L., and Morgan. 3,290,959.

Morgan, Lemuel J., to The Patterson-Kelley Co. Inc. Gas burner. 3,227,202, 1–4–66, Cl. 158—7.

Morgan, Lemuel J., to The Patterson-Kelley Co. Inc. Water heater. 3,237,684, 3–1–66, Cl. 165—39.

Morgan, Lyman W., and D. E. Berger, to Phillips Petroleum Co. Process and apparatus for controlling polymerization reaction temperatures. 3,254,071, 5–31–66, Cl. 260—94.9.

Morgan, Maurice M., to Phillips Petroleum Co. Method for recovering a purified component from a gas. 3,228,874, 1–11–66, Cl. 208—236.

Morgan, Merle L., to Electro Scientific Industries, Inc. Four-terminal junction for electrical measurements and method of making the same. 3,252,091, 5–17–66, Cl. 324—126.

Morgan, Myles, to Morgan Construction Co. Rod cropping apparatus. 3,251,212, 5–17–66, Cl. 72—208.

Morgan, Nedra A.: *See*—
Morgan, Philip F. 3,232,866.

Morgan, Ora B., Jr.: *See*—
Kelley, George G., and Morgan. 3,238,414.

Morgan Packing Co., Inc.: *See*—
Garriott, Donald H. 3,250,277.

Morgan, Paul A., to King Bee Mfg. Co. Light unit and adapter base. 3,227,868, 1–4–66, Cl. 240—8.2.

Morgan, Paul F.: *See*—
Morgan, Philip F. 3,232,866.

Morgan, Paul W.: *See*—
Kwolek, Stephanie L., and Morgan. 3,287,323.

Morgan, Paul W., to E. I. du Pont de Nemours and Co. Aromatic chloroisophthalate polyesters. 3,256,242, 6–14–66, Cl. 260—47.

Morgan, Philip F., deceased (by N. A. and P. F. Morgan, heirs) to FMC Corp. Method of aerating liquid mediums. 3,232,866, 2–1–66, Cl. 210—15.

Morgan Refractories Ltd.: *See*—
Cox, Shaun M., and Ferry. 3,250,849.
Hilton, Raymond F., Steen, and Steele. 3,232,772.

Morgan, Richard M.: *See*—
Flick, Francis S., and Morgan. 3,272,221.

Morgan, Robert E., and H. R. Smith, to General Motors Corp. Fuel injection pump with pneumatic damper. 3,237,568, 3–1–66, Cl. 103—154.

Morgan, Ronald B.: *See*—
Clayton, Serge D., Gillespie, and Morgan. 3,295,096.

Morgan, Russell H., to Picker X-ray Corp., Waite Mfg. Division, Inc. Device for measuring the total radiation energy over a wide spectrum using serially arranged detector. 3,287,560, 11–22–66, Cl. 250—83.6.

Morgan, Samuel P., to Bell Telephone Laboratories, Inc. Antenna utilizing intermediate cuspate reflector to couple energy from feed to main reflector. 3,241,147, 3–15–66, Cl. 343—781.

Morgan, Sherwood H. Laminated structure with low density core. 3,257,260, 6–21–66, Cl. 161—69.

Morgan, Stephen W. K., to The Metallurgical Process Ltd., and National Smelting Co. Ltd. Process for smelting copper from mixed copper-zinc-lead materials. 3,231,370, 1–25–66, Cl. 75—74.

Morgan, Willard L.: *See*—
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Slayter, Games, Russell, and Morgan. 3,233,697.

Morgan, Willard L., and M. A. Thomas, to Deering Milliken Research Corp. Inherently self-lined garments and processes for the production thereof. 3,262,128, 7–26–66, Cl. 2—243.

Morgan, William A.: *See*—
Spence, Nelville S., Badone, Morgan, and McDonald. 3,284,175.

Morgan, William A., D. E. C. King, and R. J. McClure, to Her Majesty the Queen in right of Canada, as represented by the Minister of Mines and Technical Surveys. Corrosion, pitting, and tarnish resistant stainless steel. 3,252,792, 5–24–66, Cl. 75—126.

Morgan, William E.: *See*—
Hallock, Carl E., and Morgan. 3,235,096.

Morgan, William H., Jr.: *See*—
Beaton, William A., and Morgan. 3,280,320.

Morgand, Joseph M. J.: *See*—
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Morganite Carbon Ltd.: *See*—
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Morganite Research and Development Ltd.: *See*—
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Winter, Lionel, and O'Hanlon. 3,238,018.

Morganite Thermal Designs Ltd.: *See*—
Profitt, Henry J., and King. 3,293,412.

Morganti, Charles L.: *See*—
Saxton, Gene R., and Morganti. 3,248,126.

Morgardshammars Mek. Verkstads Aktiebolag: *See*—
Norlindh, Sven E. M. 3,233,445.
Norlindh, Sven E. M. 3,253,447.
Norlindh, Sven E. M., and Jansson. 3,243,983.

Morgenroth, Henri. Stirling cycle engine divided into a pressure generating unit and energy converting unit. 3,248,870, 5–3–66, Cl. 60—24.

Morgenson, Edgar O., Jr., and W. C. Fresch, to Burroughs Corp. Information handling device. 3,248,523, 4–26–66, Cl. 235—61.11.

Morgenstern, Karl: *See*—
Schwarz, Hans-Helmut, and Morgenstern. 3,290,400.

Morgenstern, Oscar A., to Kollsman Instrument Corp. Data projector slide assembly. 3,230,543, 1–18–66, Cl. 346—77.

Morgenstern, Oskar A.: *See*—
Whatham, Richard, and Morgenstern. 3,236,102.

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Langguth, Robert P., and Morgenthaler. 3,257,316.

Morgenthaler, William W., to Monsanto Co. Corrosion-inhibited phosphate solutions and compositions useful for manufacturing them. 3,293,189, 12–20–66, Cl. 252—387.

Morham, Walter H., and A. M. Martin, to Andrew M. Martin Co., a copartnership consisting of Charles E. Frosst & Co. and Andrew M. Martin. Machine for heat sealing and cutting fluid-filled thermoplastic tubing. 3,254,471, 6–7–66, Cl. 53—182.

Mori, Hiroshi, to Hayakawa Denki Kogyo Kabushiki Kaisha. Radiation energy transducing device. 3,278,811, 10–11–66, Cl. 317—234.

Mori, Hisao: *See*—
Tsuchiya, Yoshio, Takenishi, Kato, Muramatsu, Mori, Yoshikawa, and Ichikawa. 3,288,780.

Mori, Kenkichi: *See*—
Sakai, Magoichi, Mori, Yoshioka, and Konishi. 8,279,024.

Mori, Kunihito: *See*—
Nozaki, Toshio, Mori, and Maekawa. 3,279,524.

Mori, Leo, and I. Niikura, to Tokyo Shibaura Electric Co., Ltd. Automatic colorimetry calculator. 3,267,266, 8–16–66, Cl. 235—156.

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Abe, Zenmon, Mori, Yoshimaru, Numakura, and Susuki. 3,234,478.

Mori, Ryutaro, T. Numakura, T. Uemura, and Y. Miyamoto, to Kabushiki Kaisha Hitachi Seisakusho. Brushless D.C. motor provided with Hall-effect devices. 3,293,457, 12–20–66, Cl. 310—10.

Mori, Sakae. Automatic pure cultivator. 3,271,900, 9–13–66, Cl. 47—38.1.

Mori, Shigeru, to Dainippon Seito Kabushiki Kaisha. Process for recovering unreacted sucrose from reaction solution of fatty acid sucrose ester. 3,231,562, 1–25–66, Cl. 260—234.

Morici, Vincenzo: *See*—
Hermitte, Franco B., and Morici. 3,236,675.

Morleras, Gilbert, to Societe Rhodiaceta. Cables with bonded organic filamentary insulation. 3,265,809, 8–9–66. Cl. 174—121.

Morifuji, Noboru, to The Kabushiki Kaisha Morifuji Haguruma Seisakusho. Screw driver with a screw holding device. 3,245,446, 4–12–66, Cl. 145—50.

Morikawa, Hisashi: *See*—
Yoshino, Masaaki, and Morikawa. 3,288,887.

Morimoto, Akira: *See*—
Nakano, Hiroshi, Morimoto, Yoshimitsu, and Kimata. 3,272,832.

Morimoto, Osamu: *See*—
Mitamura, Akio, Akabane, Kawai, Morimoto, Ashikaga, and Tanabe. 3,240,738.

Morimoto, Tatsuo, to Taki Fertilizer Mfg. Co., Ltd. Process of treating lignin-containing aqueous liquor. 3,270,001, 8–30–66, Cl. 260—124.

Morimoto, Toshio, to Matsushita Electric Industrial Co. Automatic reciprocating magnetic tape recording and reproducing apparatus. 3,286,943, 11–22–66, Cl. 242—55.12.

Morimoto, Tsukiro: *See*—
Yoshizawa, Shiro, Watanabe, Morimoto, and Yamada. 3,265,490.

Morin, Adelard. Safety valve for gasoline tanks having plural control means. 3,242,937, 3–29–66, Cl. 137—39.

Morin, Henry. Brassiere. 3,285,247, 11–15–66, Cl. 128—479.

Morin, Joseph R., and C. J. Bernier, to Sylvania Electric Products Inc. Pressure regulation of fluorescent lamps by Peltier cooling means. 3,284,664, 11–8–66, Cl. 315—108.

Morin, Louis H. Multiple intercast plastic products. 3,234,807, 2–15–66, Cl. 74—245.

Morin, Louis H. Method of forming scoop structures to accommodate sliders operating on one face of the scoop structures. 3,238,285, 3–1–66, Cl. 264—252.

Morin, Louis H., to Coats & Clark Inc. Traveler including wear resistant insert. 3,257,791, 6–28–66, Cl. 57—125.

Morin, Louis H., to Coats & Clark Inc. Machine for producing foamed plastic spools at high speed. 3,262,150, 7–26–66, Cl. 18—4.

Morin, Louis H. Intercast relatively movable plastic elements and method of forming the same. 3,263,018, 7–26–66, Cl. 264—242.

Morin, Louis H. Method of making and assembling a slider. 3,266,135, 8–16–66, Cl. 29—408.

Morin, Louis H. Plastic blind rivet. 3,272,060, 9–13–66, Cl. 85—77.

Morin, Louis H. Die for producing an intermolded number wheel. 3,276,078, 10–4–66, Cl. 18—36.

Morin, Louis H., ¼ to M. F. McGill, and ¼ to J. R. Hanna. Method of producing snelled fish hooks. 3,287,483, 11–22–66, Cl. 264—161.

Morin, Louis H., to Coats & Clark Inc. Method of making traveler from reinforced thermosetting material. 3,288,900, 11–29–66, Cl. 264—149.

Morin, Louis H., to Coats & Clark Inc. Traveler having a wear resistant element. 3,292,359, 12–20–66, Cl. 57—125.

Morin, Robert B., and B. G. Jackson, to Eli Lilly and Co. Penicillin conversion via sulfoxide. 3,275,626, 9–27–66, Cl. 260—243.

Morin, Theodore J., and G. R. Peacock. Welding and forming method and apparatus. 3,258,573, 6–28–66, Cl. 219—9.5.

Morinaga Nyugyo Kabushiki Kaisha: *See*—
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Morioka, Shoji, to Mitsubishi Denki Kabushiki Kaisha. Compressed-gas circuit interrupters having exhaust valve structures. 3,268,697, 8–23–66, Cl. 200—148.

Morioka, Shoji, to Mitsubishi Denki Kabushiki Kaisha. Compressed-gas circuit interrupter with pressurized arcing chambers and downstream blast valve. 3,275,778, 9–27–66, Cl. 200—148.

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Alfieri, Giuseppe, and Moriondo. 3,261,645.

Morisaki, Shinichi: *See*—
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Morisawa, Nobuo. Photo typesetting machines. 3,272,102, 9–13–66, Cl. 95—4.5.

Morishima, Atsuyoshi: *See*—
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Morison, Peter P., to Spillers Ltd. Integrated error correcting systems. 3,274,377, 9–20–66, Cl. 235—151.13.

Morita, Hiroshi. Lappet for spinning machine. 3,269,104, 8–30–66, Cl. 57—106.

Morita, Katsura, H. Nawa, and T. Miki, to Takeda Chemical Industries, Ltd. Metadioxane derivatives of pregnane compounds. 3,274,177, 9–20–66, Cl. 260—239.55.

Morita, Masaaki, S. Murata, and S. Higuchi, to Sony Corp. High density magnetic recording medium. 3,242,005, 3–22–66, Cl. 117—106.

Morita, Masami, and K. Takase, to The Futaba Netsukagaku Kenkyujo, Ltd. Process for recovering dried phthalate from an aqueous solution of alkali salts of phthalic acid. 3,277,167, 10–4–66, Cl. 260—525.

Morita, Sadayoshi, T. Ito, T. Nishi, and T. Kikuno, to Yawata Iron & Steel Co., Ltd. Gas-shielded arc-welding method. 3,258,842, 7–5–66, Cl. 29—494.

Morita, Sadayoshi, T. Ito, T. Nishi, and S. Fujimori, to Yawata Iron & Steel Co., Ltd. Method of submerged arc welding of iron and steel using nitride producing materials. 3,259,970, 7–12–66, Cl. 29—488.

Morita, Sadayoshi, M. Sato, M. Furuya, Y. Yamaguchi, and T. Umeda, to Yawata Iron & Steel Co. Ltd. Special heat treating method of steels. 3,288,657, 11–29–66, Cl. 148—143.

Morita, Tsuneo, to Sony Corp. Servo system for controlling a rotary magnetic head in a video tape recorder. 3,290,449, 12–6–66, Cl. 179—100.2.

Morita, Yutaka: *See*—
Yumoto, Hirosuke, Hashimoto, Tanaka, Ito, Kojima, Shibata, Adachi, Morita, and Ebihara. 3,286,009.

Morito, Nozomu: *See*—
Kanda, Yozo, Tauchi, and Morito. 3,244,876.

Moritz, Donald B., to Bliss & Laughlin Industries, Inc. Child's coordination training device. 3,258,236, 6–28–66, Cl. 248—127.

Moritz, Frederick G.: *See*—
Smith, Gerald E., and Moritz. 3,243,605.

Moritz, Gunther E., and T. S. Daugherty, to Reynolds Metals Co. Method of making a solid length of aluminous metal. 3,246,982, 4–19–66, Cl. 75—213.

Moritz, Jean. Apparatus for placing gases and liquids into intimate contact. 3,278,170, 10–11–66, Cl. 261—29.

Moritz, Lauritz. Packing carton. 3,273,778, 9–20–66, Cl. 229—5.5.

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Moriya, Saburo M. Device for treating flowing fluids. 3,264,509, 8–2–66, Cl. 313—153.

Moriya, Saburo M. Apparatus for treating flowing fluids. 3,278,797, 10–11–66, Cl. 315—111.

Mork, Forrest J.: *See*—
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Morkoski, James, to International Harvester Co. Stabilizer for tool bars. 3,237,701, 3–1–66, Cl. 172—451.

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Morley, Frederick W. W. to Rolls-Royce Ltd. Supporting bearings on shafts. 3,245,734, 4–12–66, Cl. 308—184.

Morley, Frederick W. W., to Rolls-Royce Ltd. Turbines and compressors. 3,266,771, 8–16–66, Cl. 253—77.

Morley, James P.: *See*—
Hatch, Seymour A., Morley, and Blair. 3,241,843.
Hatch, Seymour A., Morley, and Blair. 3,291,494.

Morley, James P., to Chicago Rawhide Mfg. Co. End face seal assembly with installation retention means. 3,241,844, 3–22–66, Cl. 277—92.

Morley, John D., J. F. Nystrom, and W. L. Ward, to National Electric Welding Machine Co. Method and apparatus for strip welding. 3,270,180, 8–30–66, Cl. 219—81.

Morley, John R., to Alloyd Electronics Corp. Systems and processes for coating by evaporation. 3,267,015, 8–16–66, Cl. 204—192.

Morley, Morgan J., and D. I. Gilbert, to Aerojet-General Nucleonics. Magnetic gradient particle accelerator. 3,254,564, 6–7–66, Cl. 89—8.

Morley, Richard E., to Laboratory for Electronics, Inc. Frequency modulation data processing. 3,251,047, 5–10–66, Cl. 340—174.1.

Morley, Richard E., to Laboratory for Electronics, Inc. High frequency magnetic readout head. 3,287,504, 11–22–66, Cl. 179—100.2.

Morley, William E., to Union Carbide Corp. Apparatus for manufacture of containers. 3,290,478, 12–6–66. Cl. 219—79.

Morlock, Gerhard R., to E. I. du Pont de Nemours and Co. Process for air-oxidation of beta-acyloxy aldehydes to beta-acyloxy-carboxylic acids. 3,251,876, 5–17–66, Cl. 260—491.

Morner, Bengt O. J. S., to Aktiebolaget Partner. Saw chains. 3,291,169, 12–13–66, Cl. 143—135.

Morningstar Corp.: *See*—
Mathus, Gregory. 3,230,643.

Morningstar, Otto: *See*—
Burgess, Frank H., Morningstar, and Mathus. 3,229,928.

Morningstar-Paisley, Inc.: *See*—
Nichol, Iven G., and Donovan. 3,277,276.

Morningstar, Robert P. Vegetation growth promoter utilising blood as a major component. 3,294,523, 12–27–66, Cl. 71—17.

Morolshi, Mitsuru. Segmental rotary gang switch with segmented splined cam shafts. 3,260,803, 7–12–66, Cl. 200—6.

Morokawa, Takuji: *See*—
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Moroney, Bernard M.: *See*—
Halpine, Joseph C., and Moroney. 3,274,351.

Moroney, William N., to Ford Motor Co. Connecting means. 3,231,300, 1–25–66, Cl. 287—93.

Moroni, Rolf, and P. Kisteneich, to Collo-Rheincollodium Köln G.m.b.H. Process for the preparation of form pressed parts of light specific gravity from foamed synthetic plastics. 3,246,050, 4–12–66, Cl. 264—48.

Morosini, Tito, to Teodoro Camielli & Co. S.p.A. Collapsible easy chair. 3,279,846, 10–18–66, Cl. 297—19.

Morozov, Alexander V.: *See*—
Morozov, Vasily A., Alexsey V., and Alexander V. 3,247,030.

Morozov, Alexsey V.: *See*—
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Morozov, Vasily A., Alexsey V., and Alexander V. Automated production line for multiple-operation processing of work, for example, bearing races on machine tools. 3,247,030, 4–19–66. Cl. 198—19.

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York, Orin R., and Walser. 3,238,748.

Morreale, Anthony P. Digital readout and drive means therefor. 3,253,127, 5–24–66. Cl. 235—61.11.

Morreale, Anthony P., and K. Egawa. Servo motor. 3,260,914, 7–12–66, Cl. 318—443.

Morrell, Albert M., and R. H. Godfrey, to Radio Corp. of America. Method of fabricating cathode ray tube screen. 3,282,691, 11–1–66, Cl. 96—35.

Morrell, Benjamin A. Automobile alarm system. 3,242,460, 3–22–66, Cl. 340—64.

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Morrell, Jacque C. Dental impression materials. 3,234,033, 2–8–66, Cl. 106—35.

Morrell, Jacque C. Apparatus and process for treatment of exhaust gases from internal combustion engines. 3,248,872, 5–3–66, Cl. 60—30.

Morrell, Jacque C. Dental impression materials. 3,268,348, 8–23–66, Cl. 106—38.5.

Morrell, Jacque C. Dental impression materials. 3,282,710, 11–1–66. Cl. 106—38.5.

Morrell, Jacque C. Dental impression materials. 3,291,618, 12–13–66. Cl. 106—38.35.

Morrell, John H., and O. D. Letourneau. One pin back style personnel parachute. 3,262,660, 7–26–66, Cl. 244—148.

Morrell, Robert C. Protective circuit for boats. 3,292,568, 12–20–66, Cl. 115—.5.

Morrice, Robert G. Rotatable serving line tray for cafeterias. 3,246,722, 4–19–66, Cl. 186—1.

Morrill, Frank B., to Crompton & Knowles Corp. Garnett roll. 3,264,690, 8–9–66, Cl. 19—112.

Morrill, Wayne J. Method of making a dynamoelectric machine. 3,293,729, 12–27–66, Cl. 29—155.5.

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Davis, Lewis A., and Morris. 3,236,442.

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Morris, Charles W., and L. L. Frazier. Self-regulating exhaust control system. 3,287,898, 11–29–66, Cl. 60—30.

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Morris, Earl F., to The Dow Chemical Co. Method for cleaning stainless steel. 3,280,038, 10–18–66, Cl. 252—101.

Morris, Earl L., and G. L. Curtice, to Acorn Engineering Co. Wall closet carrier. 3,273,173, 9–20–66, Cl. 4—292.

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Morris, Edward. Conversion apparatus. 3,241,450, 3–22–66, Cl. 90—11.

Morris, Frank A., H. L. Foote, M. A. Clement, and B. A. Harris, to Stromberg-Carlson Corp. Local and remote toll ticketing. 3,227,808, 1–4–66, Cl. 179—7.1.

Morris, Frank E., to Industrial Nucleonics Corp. Dynamic registration device. 3,240,995, 3–15–66, Cl. 317—6.

Morris, George F., and W. F. Walker, to General Dynamics Corp. Apparatus for conversion from Morse code to visual display. 3,267,456, 8–16–66, Cl. 340—325.

Morris, George H. Three point hitch and driving connection to a rotary rod weeder. 3,227,224, 1–4–66, Cl. 172—44.

Morris, George H. Spring release locking attachment for cultivator shanks. 3,275,086, 9–27–66, Cl. 172—266.

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De Vries, Adrian J., Morris, and Roschke. 3,272,906.

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Morris, George V., to Zenith Radio Corp. Communication receiver with means for testing code correlation. 3,244,806, 4–5–66, Cl. 178—5.1.

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Morris, Harold D., and W. E. Hyde, Jr., to Systron-Donner Corp. Integrating accelerometer with digital memory circuit. 3,284,708, 11–8–66, Cl. 324—70.

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Morris, Harrison W., to Continental Aviation and Engineering Corp. Turbine engine construction. 3,285,005, 11–15–66, Cl. 60—39.32.

Morris, Houston S.: *See* McHugh, John P., and Morris. 3,253,788.

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Morris, Hugh C., S. I. Pearce, C. A. Ramsel, and G. D. Rohweder, to Caterpillar Tractor Co. Hydraulic controls for track type vehicle power train. 3,239,020, 3–8–66, Cl. 180—6.7.

Morris, Isaac A., Jr. Solenoid with enlarged plunger head. 3,241,005, 3–15–66, Cl. 317—191.

Morris, Jack, to American Machine & Foundry Co. Edge conditioning of metal strips by high-frequency resistance heating. 3,267,252, 8–16–66, Cl. 219—152.

Morris, Jack, and W. C. Rudd, to American Machine & Foundry Co. Welding of metal edge portions. 3,234,352, 2–8–66, Cl. 219—67.

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Morris, James E., R. H. Lee, and K. F. Thomas, to The Molins Organisation Ltd. Tobacco-manipulating apparatus. 3,282,270, 11–1–66, Cl. 131—84.

Morris, John C., and J. C. Brzozowski, to Sperry Rand Corp. Carriage locking means for business machines. 3,239,051, 3–8–66, Cl. 197—193.

Morris, John C., and N. E. Tranberg, to Sperry Rand Corp. Feed roll mechanism. 3,282,390, 11–1–66, Cl. 197—138.

Morris, John N., B. Fishman, and G. Bloom, ½ each to The S. U. Carburetter Co. Ltd., and Simmonds Precision Products, Inc. Liquid-fuel distributing means for internal combustion engines. 3,238,934, 3–8–66, Cl. 123—139.

Morris, John W., to Pittsburgh Plate Glass Co. Laminating techniques. 3,234,062, 2–8–66, Cl. 156—104.

Morris, Karl V. Valve seats. 3,260,252, 7–12–66, Cl. 123—188.

Morris, Keith, and G. Alexandrovich, to Fairchild Recording Equipment Corp. Automatic gain control device for high fidelity audio systems. 3,281,706, 10–25–66, Cl. 330—59.

Morris, Leslie J. Binding devices. 3,285,252, 11–15–66, Cl. 129—37.

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Morris, Oscar L., and A. F. Penfield, to United States of America, Air Force. Automatic angle tracking apparatus. 3,281,838, 10–25–66, Cl. 343—7.4.

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Morris, Ralph C. Combination layout tool. 3,271,867, 9–13–66, Cl. 33—94.

Morris, Rexford M., to Therm-O-Disc, Inc. Thermostatic switch with rocking bridging contact. 3,259,721, 7–5–66, Cl. 200—138.

Morris, Rexford M., to Therm-O-Disc, Inc. Thermoelectric valve. 3,275,285, 9–27–66, Cl. 251—11.

Morris, Richard L., to The Liquidometer Corp. Electrical fluid level gauge. 3,285,068, 11–15–66, Cl. 73—304.

Morris, Richard L., and H. A. Anderson, to Viking of Minneapolis. Cartridge for endless tape. 3,245,630, 4–12–66, Cl. 242—55.19.

Morris, Richard M., to Weyerhaeuser Co. Container glueability tester. 3,246,513, 4–19–66, Cl. 73—150.

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Morris, Robert, to Staley Elevator Co., Inc. Elevator control for a generator-fed motor control system. 3,250,972, 5–10–66, Cl. 318—141.

Morris, Robert, to Staley Elevator Co., Inc. Detector for ferromagnetic material in an elevator well and an elevator control system operated thereby. 3,261,427, 7–19–66, Cl. 187—29.

Morris, Robert A., and R. F. Salat, to Vactronic Lab. Equipment, Inc. Nude ion gage assembly. 3,274,326, 9–20–66, Cl. 174—18.

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Morris, Robert L., to The Procter & Gamble Co. Sulfation of alpha olefins. 3,234,258, 2–8–66, Cl. 260—460.

Morris, Roger E., R. D. Taylor, and R. J. Fawcett, to The B. F. Goodrich Co. Stabilization of synthetic polymers. 3,228,904, 1–11–66, Cl. 260—29.7.

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Morris, Thomas C., deceased (by E. J. Morris, administratrix), and E. C. Johnson, to United Shoe Machinery Corp. Thermoplastic adhesive rods or strips. 3,283,890, 11–8–66, Cl. 206—59.

Morris, Virgil W.: *See* Woods, Louis S., and Morris. 3,274,973.

Morris, Virginia. Closure device. 3,291,332, 12–13–66, Cl. 215—39.

Morris, William E.: *See* Sarjeant, Peter T., and Morris. 3,265,652.

Morris, William F., Jr. Chilling apparatus. 3,250,086, 5–10–66, Cl. 62—375.

Morris, Willis B., and C. E. Oates, to Northrop Corp. Aircraft horizontal tail control mechanism. 3,243,148, 3–29–66, Cl. 244—83.

Morrison, Albert R.: *See* Wong, Robert, Wise, and Morrison. 3,288,582.

Morrison, Andrew I., and S. Gianakos. Molded furniture. 3,230,013, 1–18–66, Cl. 297—446.

Morrison, Bertram L.: *See* Brumm, Richard S., and Morrison. 3,234,960.

Morrison, Bill, to Benson Electric Co. Method and apparatus for plugging pipelines. 3,285,290, 11–15–66, Cl. 138—97.

Morrison, Carl H. B. Water stain remover. 3,271,319, 9–6–66, Cl. 252—142.

Morrison, Clifton H.: *See* Hasten, Mark, and Morrison. 3,245,300.
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Morrison, David, and R. C. Robinson, to General Time Corp. Timer drowse mechanism. 3,227,827, 1–4–66, Cl. 200—38.

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Morrison, David J., 50% to E. H. Hurst. Storage device for paint brushes or the like. 3,262,556, 7–26–66, Cl. 206—15.1.

Morrison, Donald C., to Fundamental Research Co. Nitration of Tobias acid and preparation of 8-nitro-2-naphthylamine. 3,251,877, 5–17–66, Cl. 260—508.

Morrison, Donald C., to Fundamental Research Co. Nucleophilic reactions of 2,3-dinitronaphthalene. 3,294,838, 12–27–66, Cl. 260—505.

Morrison, Ewen: *See* Vaines, Samuel, and Morrison. 3,276,809.

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Morrison, Glenn C.: *See* Shavel, John, Jr., and Morrison. 3,264,310.

Morrison, Harold E., and O. F. Krauss, to Whirlpool Corp. Dryer with anti-wrinkle control. 3,286,364, 11–22–66, Cl. 34—45.

Morrison, Harry H. Electrode type vapor generator. 3,280,300, 10–18–66, Cl. 219—287.

Morrison, Heber J.: *See* Boykin, John R., and Morrison. 3,254,302.

Morrison, Herbert, P. O. Rawson, and G. L. Schick, to The Singer Co. Instrument cabinets. 3,284,151, 11–8–66, Cl. 312—244.

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Morrison, James C.: *See* Segall, Louis H., Morrison, and Knak. 3,275,884.

Morrison, James C., to The Bendix Corp. Transistor ignition system and pulse generator therefor. 3,253,185, 5–24–66, Cl. 315—201.

Morrison, James L. D. Record changer spindle and adapter mechanism. 3,241,838, 3–22–66, Cl. 274—10.

Morrison, James L. D. Record lowering spindle for record changers. 3,241,839, 3–22–66, Cl. 274—10.

Morrison, James L. D., and M. H. Estkowski; said Estkowski assor. to V-M Corp. Magnetic recorder-reproducer apparatus. 3,235,265, 2–15–66, Cl. 274—11.

Morrison, John F., to Whirlpool Corp. Wheel support for doors. 3,281,992, 11–1–66, Cl. 49—396.

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Morrison, John R. Method for making simulated needlepoint embroidery. 3,240,176, 3–15–66, Cl. 112—266.

Morrison, Jimmie H. Sound reproducing device having a replaceable endless tape cartridge. 3,287,508, 11–22–66, Cl. 179—100.2.

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Morrison, Lawrence L., and R. D. Adams, to Electric Engineering Co. Rectangular encapsulated panel mounting electrical circuit and indicating lamp assembly. 3,246,319, 4–12–66, Cl. 340—381.

Morrison, Milton L.: *See* Olsen, Thomas O. 3,242,588.

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Morrison, Patrick R.: *See* Turner, Frederick J. L., Moore, Marshall, and Morrison. 3,244,955.

Morrison, Richard B., and P. O. Hays, to William Doonan. Rotary detonation power plant. 3,240,010, 3–15–66, Cl. 60—35.6.

Morrison, Richard E., and J. H. McCulley, to The Johnson Rubber Co. Insulating sleeve for a cable joint. 3,268,654, 8–23–66, Cl. 174—138.

Morrison, Robert N. Tripoedal gun support. 3,283,517, 2–8–66, Cl. 89—40.

Morrison, Stanley R., to Honeywell Inc. Photosensitive accelerometer utilizing radiation pressure. 3,275,835, 9–27–66, Cl. 250—231.

Morrison, Thomas E. Stud locating device. 3,274,692, 9–27–66, Cl. 33—169.

Morrison, Thomas R. Sound recording disc handler. 3,282,589, 11–1–66, Cl. 274—1.

Morrison, Thomas W., to SKF Industries, Inc. Method of making a bearing ring. 3,229,353, 1–18–66, Cl. 29—148.4.

Morrison, Tom R. Position control apparatus with flexible level indicator and mounting strap. 3,269,729, 8–30–66, Cl. 273—54.

Morrison, Walter, and H. Stevenson, to The British Petroleum Co. Ltd. Preparation of suspensions of water-soluble solids in oleaginous media. 3,259,574, 7–5–66, Cl. 252—28.

Morrison, Wilbert H., and R. A. Braun, to Clevite Corp. Apparatus for making a trimetal bearing material. 3,290,735, 12–13–66, Cl. 22—57.3.

Morrison, Willard L., to Elmwood Products, Inc. Method and apparatus for freezing food and other perishables. 3,255,599, 6–14–66, Cl. 62—63.

Morrison, William, to International Research & Development Co. Thermal power installations utilizing liquefied natural gas. 3,293,850, 12–27–66, Cl. 60—59.

Morrison, William A.: *See* Abend, Chester J., and Morrison. 3,262,558.

Morrison, William B., to Radio Corporation of America. Audio amplifier including volume compression means. 3,247,464, 4–19–66, Cl. 330—89.

Morrison, William F., to Anaconda Wire and Cable Co. High-frequency power cable. 3,261,907, 7–19–66, Cl. 174—115.

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Morrissey, Stuart J. Adjustable gusset stay for support structures. 3,288,499, 11–29–66, Cl. 287—54.

Morrissey, Thomas G., G. B. Davis, Jr., and H. H. Short; 40% to J. G. Milne, Jr., 40% to H. H. Short, and 20% to G. B. Davis, Jr. Acoustic structural unit. 3,275,101, 9–27–66, Cl. 181—33.

Morrone, Rudolph D. Three dimensional duplicating machine. 3,260,160, 7–12–66, Cl. 90—13.1.

Morrow, Austin G. Peanut and bean harvester. 3,241,619, 3–22–66, Cl. 171—61.

Morrow, Dean K. Automatic jump rope. 3,263,995, 8–2–66, Cl. 272—75.

Morrow, Duane F.: *See* Moersch, George W., and Morrow. 3,264,330.
Moersch, George W., and Morrow. 3,264,345.

Morrow, Duane F., to Parke, Davis & Co. 20-aryl steroid compounds. 3,254,095, 5–31–66, Cl. 260—397.3.

Morrow, Harry C., to United States Steel Corp. Method of making a rubber covered roll. 3,248,775, 5–3–66, Cl. 29—148.4.

Morrow, Harry C., to United States Steel Corp. Apparatus for automatically centering elongated objects. 3,288,338, 11–29–66, Cl. 226—193.

Morrow, Howard B., Jr.: *See* Shaw, Benjamin C., and Morrow. 3,293,777.

Morrow, James E.: *See* Holden, Robert E., and Morrow. 3,281,895.

Morrow, Judd: *See* Stull, Emerson B., and Morrow. 3,284,009.

Morrow, Robert C. Plumber's roughing-in appliance. 3,245,643, 4–12–66, Cl. 248—68.

Morrow, Warren P., to United States of America, Army. Method of adjusting end play in V bearings of clocks, watches and instruments. 3,263,483, 8–2–66, Cl. 73—9.

Morrow, William B., to Wham-O-Manufacturing Co. Aerial Toy. 3,264,776, 8–9–66, Cl. 46—74.

Morsbach, Paul, and K. Leben. Cutting-off machine for transverse cutting of tubes. 3,289,506, 12–6–66, Cl. 82—53.1.

Morse, Albert R., to Injection Molders Supply Co., Inc. Fixed screw plastic injection device. 3,246,367, 4–19–66, Cl. 18—30.

Morse, Albert R., to Injection Molders Supply Co., Inc. Fixed screw plastic injection device. 3,267,524, 8–23–66, Cl. 18—30.

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Morse, Charles P.: *See* Jones, Robert D., MacDonald, and Morse. 3,267,664.

Morse, Edward A., to Johnson & Johnson. Sanitary napkin and method of making. 3,236,238, 2–22–66, Cl. 128—290.

Morse, Edward A., to Johnson & Johnson. Nonplanar absorbent fibrous pads. 3,262,451, 7–26–66, Cl. 128—290.

Morse, Edward A., to Johnson & Johnson. Sanitary napkin. 3,294,091, 12–27–66, Cl. 128—290.

Morse, Glenn B.: *See* Domas, Ben V., and Morse. 3,287,758.

Morse, John E., to Eastman Kodak Co. Strip handling device. 3,246,857, 4–19–66, Cl. 242—55.12.

Morse, John E., E. O. Wangerin, and R. E. Cossaboon, to Eastman Kodak Co. Strip material locating device. 3,243,244, 3–29–66, Cl. 312—39.

Morse, John E., and L. J. Seaberg, to Eastman Kodak Co. Device for forming visual code patterns. 3,282,176, 11–1–66, Cl. 95—1.1.

Morse, Leighton L., to United States of America, Navy. Remotely controlled power pulse generator. 3,267,415, 8–16–66, Cl. 340—3.

Morse, Leighton L., to United States of America, Navy. Ice profiling sonar system. 3,267,416, 8–16–66, Cl. 340—3.

Morse, Leon E., to United States of America, Atomic Energy Commission. Method for preparation of urania sols. 3,288,717, 11–29–66, Cl. 252—301.1.

Morse, Leon E., K. H. McCorkle, and C. E. Schilling, to United States of America, Atomic Energy Commission. Method of preparing high-density, compactible uranium dioxide particles. 3,262,760, 7–26–66, Cl. 23—14.5.

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Land, Edwin H., and Morse. 3,234,022.

Morse, Milford A. Cover. 3,255,794, 6–14–66, Cl. 150—52.

Morse, Milton. Manually releasable grounding electrical plug. 3,231,844. 1–25–66, Cl. 339—14.

Morse, Milton. Toggle switch seal. 3,237,460, 3–1–66, Cl. 74—18.1.

Morse, Milton. Spherical transparent two-gun cathode ray tube. 3,275,882, 9–27–66, Cl. 315—13.

Morse, Milton. Manually releasable grounding electrical plug and means for manufacturing same. 3,277,554, 10–11–66, Cl. 29—33.

Morse, Milton. Rotary switch cap seal. 3,277,739, 10–11–66, Cl. 74—558.5.

Morse, Ralph T.: *See* La Fever, Clifford E., and Morse. 3,254,565.

Morse, Raymond L., and P. H. Carter, to Maryland Cup Corp. Paper container construction. 3,272,418, 9–13–66, Cl. 229—1.5.

Morse, Richard A., to Gulf Research & Development Co. Process for consolidating incompetent subsurface formations. 3,254,715, 6–7–66, Cl. 166—25.

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Morshauser, Fred S., S. Kalish, A. R. Biamonte, A. L. Borstlap, and A. C. Weber, Jr., to Warner-Lambert Pharmaceutical Co. Multi-colored cosmetic preparation. 3,228,662, 1–11–66, Cl. 259—7.

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Nabor, George W., and Mortada. 3,256,935.

Mortarino, Carlo. Wind-worked funnel. 3,242,893, 3–29–66, Cl. 114—187.

Mortensen, Alonzo B.: *See* Armitage, Blair W., Mortensen, and Thomason. 8,234,979.

Mortensen, Louis A. Fastening device. 3,248,994, 5–3–66, Cl. 85—3.

Mortensen, Louis A. Fastening device. 3,288,014, 11–29–66, Cl. 85—3.

Mortensen, Peter E., to The Pem Co. Tool holders. 3,267,553, 8–23–66, Cl. 29—96.

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Mortimer, Frank R., W. H. Bent, and G. P. R. Farr, to Dunlop Rubber Co. Ltd. Fluid pressure operated braking systems for vehicles. 3,278,243, 10–11–66, Cl. 303—21.

Mortimer, George A., to Monsanto Co. Polymerization of ethylene in the presence of a free radical initiator and ammonia. 3,284,432, 11–8–66, Cl. 260—94.9.

Mortimer, Harry T., to North American Aviation, Inc. Frequency divider utilizing a saturable reactor and a capacitor. 3,292,074, 12–13–66, Cl. 321—68.

Mortimer, John V., to The British Petroleum Co. Ltd. Separation of organic compounds. 3,273,315, 9–20–66, Cl. 55—67.

Mortlock, James O., W. T. Monaghan, R. D. Beale, and J. Petrie, to Rolls-Royce Ltd. Fluid flow apparatus. 3,266,752, 8–16–66, Cl. 244—55.

Morton, Arthur R., Jr. Sedimentation rate tester. 3,261,256, 7–19–66, Cl. 88—14.

Morton, David C., to Baker Perkins Ltd. Method and apparatus for stacking biscuits. 3,282,399, 11–1–66, Cl. 198—35.

Morton, Eldred O., and A. W. Klingensmith, to Westinghouse Electric Corp. Automatic dry cleaner. 3,248,801, 5–3–66, Cl. 34—55.

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Morton, Glenn R. Fluid cooled, lubricated and sealed piston means for casting devices. 3,254,377, 6–7–66, Cl. 22—68.

Morton, Glenn R. Carburetor for internal combustion engines. 3,265,374, 8–9–66, Cl. 261—50.

Morton, Glenn R. Carburetor for internal combustion engines. 3,265,375, 8–9–66, Cl. 261—50.

Morton, Glenn R. Method of and means for producing dense articles from molten materials. 3,268,960, 8–30–66, Cl. 22—68.

Morton, Glenn R. Carburetor for internal combustion engines. 3,273,868, 9–20–66, Cl. 261—39.

Morton, Glenn R. Carburetor means for internal combustion engines. 3,273,869, 9–20–66, Cl. 261—40.

Morton International, Inc.: *See*—
Hurst, Alan R. 3,230,135.
Katsaros, Constantine, and Kenaga. 3,240,666.
Katsaros, Constantine, and Kenaga. 3,279,985.
Tefft, William J. 3,255,008.

Morton, James F., and R. Supinger, to The Weatherhead Co. Quick disconnect coupling. 3,279,497, 10–18–66, Cl. 137—614.03.

Morton, John L., to International Business Machine Corp. Film record card and method of making same. 3,279,111, 10–18–66, Cl. 40—158.

Morton Mfg. Co.: *See*—
Fenwick, Jay G. 3,290,847.
Fenwick, Jay G. 3,292,986.

Morton, Mark: *See*—
Kapnek, William S., and Morton. 3,240,364.

Morton, Marvin L., Jr. Tire traction device. 3,283,797, 11–8–66, Cl. 152—228.

Morton, Robert B., to Bell and Howell Co. Electrophotographic brush assembly. 3,233,587, 2–8–66, Cl. 118—637.

Morton, Robert C., to California Computer Products, Inc. Scale factor adjustment apparatus. 3,278,939, 10–11–66, Cl. 346—70.

Morton, Robert E.: *See*—
Cullen, James J., Depuy, Morton, and Niederer. 3,226,793.

Morton Salt Co.: *See*—
Baldoni, Andrew A., and Miyashiro. 3,230,266.
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Morton, William A., to Sunbeam Engineering Corp. Regenerative heat exchanger. 3,242,976, 3–29–66, Cl. 165—6.

Morton, William A., to Sunbeam Engineering Corp. Furnace roof. 3,247,829, 4–26–66, Cl. 122—6.

Morton, William D., Jr., to Sierra Engineering Co. Quick-donning mask suspension. 3,234,939, 2–15–66, Cl. 128—141.

Morton, William D., Jr., to Sierra Engineering Co. Retention for quick donning mask. 3,234,940, 2–15–66, Cl. 128—146.

Morton, Woolridge B., to Automotive Development, Inc. Filter cartridges and machine for making the same. 3,238,699, 3–8–66, Cl. 53—278.

Moruska, Charles: *See*—
Harsch, John E., Moruska, Smith, Lainas, and Murray. 3,248,455.

Morway, Arnold J.: *See*—
Crowley, Richard P., and Morway. 3,291,731.
Harting, Gary L., Miller, Morway, and Kassinger. 3,256,184.

Morway, Arnold J., to Esso Research and Engineering Co. Rust preventive prepared from sodium nitrite and the reaction product of fatty acid and imidazoline. 3,231,494, 1–25–66, Cl. 252—18.

Morway, Arnold J., to Esso Research and Engineering Co. Viscous fluid lubricant. 3,234,131, 2–8–66, Cl. 252—40.5.

Morway, Arnold J., and W. K. Detweiler, to Esso Research and Engineering Co. Lubricant suitable for marine diesel lubrication comprising oil and mixed calcium salts of acetic acid and aminoalkyl phenol. 3,230,169, 1–18–66, Cl. 252—34.7.

Morway, Arnold J., and A. J. Bodner, to Esso Research and Engineering Co. Finely divided calcium acetate particles and lubricating compositions thereof. 3,231,495, 1–25–66, Cl. 252—32.5.

Morway, Arnold J., and J. F. Kunc, to Esso Research and Engineering Co. Lignosulfonate lubricants. 3,249,537, 5–3–66, Cl. 252—17.

Morway, Arnold J., and R. E. Darley, to Esso Research and Engineering Co. Mixed salt lubricants containing asphalt to eliminate haze. 3,250,709, 5–10–66, Cl. 252—32.7.

Morway, Arnold J., and A. J. Bodner, to Esso Research and Engineering Co. Mixture of clay and fatty acid salt. 3,266,923, 8–16–66, Cl. 106—288.

Morway, Arnold J., and A. J. Bodner, to Esso Research and Engineering Co. Lubricant. 3,271,311, 9–6–66, Cl. 252—39.

Morway, Arnold J., and W. E. Wellman, to Esso Research and Engineering Co. Lubricant. 3,278,431, 10–11–66, Cl. 252—39.

Morway, Arnold J., J. H. Bartlett, and S. B. Lippincott, to Esso Research and Engineering Co. Production of carboxylic acids by the alkali fusion of 1,2-epoxycycloalkanes. 3,287,405, 11–22–66, Cl. 260—537.

Mory Rudolf, and H. Boehl, to Ciba Ltd. Photographic layers suitable for the silver dye bleaching process. 3,244,525, 4–5–66, Cl. 96—99.

Mors, James S., and J. W. Wiesner, to Mirro Aluminum Co. Cookie press. 3,262,404, 7–26–66, Cl. 107—52.

Mos, Bob J., to Consolidated Electrodynamics Corp. Cross-feed shield. 3,252,153, 6–17–66, Cl. 340—174.1.

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Hicks, John W., Jr. 3,240,106.
Hicks, John W., Jr. 3,240,987.
Hicks, John W., Jr. 3,262,251.
Hicks, John W., Jr. 3,265,480.
Hicks, John W., Jr. 3,282,191.
Hicks, John W., Jr. 3,294,504.

Mosbacher, Bruce H. Variable drive and color mixer embodying the same. 3,231,990, 2–1–66, Cl. 35—28.3.

Mosbacher, Bruce H., to Roper Industries, Inc. Fluid pumping and separating apparatus. 3,242,867, 3–29–66, Cl. 103—6.

Mosbacher, Bruce H., to Roper Industries, Inc. Apparatus for pumping and separating liquid and gaseous fluids. 3,267,862, 8–23–66, Cl. 103—6.

Mosbacher, Bruce H., to Roper Industries, Inc. Multiple stage pump. 3,272,130, 9–13–66, Cl. 103—5.

Mosby, Fred A., to General Electric Co. Electric lamp filament support. 3,270,238, 8–30–66, Cl. 313—279.

Mosby, Frederick A., to General Electric Co. Electric lamp and support web. 3,243,634, 3–29–66, Cl. 313—285.

Mosby, William L., to American Cyanamid Co. Phosphoranylideneamino-triazoledicarboximides and a synthesis thereof. 3,278,546, 10–11–66, Cl. 260—308.

Mosby, William L., to American Cyanamid Co. Diphosphoranylideneamino derivatives of maleimides. 3,288,807, 11–29–66, Cl. 260—326.5.

Mosby, William L., to American Cyanamid Co. Certain naphthotriazole and naphthothiadiazole compounds. 3,294,812, 12–27–66, Cl. 260—304.

Moscardi, Michael H., to The English Electric Co. Ltd. Controlled switching circuit for D.C. supply for inductive or regenerative loads. 3,250,978, 5–10–66, Cl. 318—345.

Mosch, Alfred. Pocket utility and writing device. 3,257,991, 6–28–66, Cl. 120—1.

Moscovskaya pechatnaya fabrica Gosnak: *See*—
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Moscovskoje Vysshee Tekhnicheskoje Uchilische Bauman: *See*—
Kanookov, Nikolai D., Kosjakov, Popov, and Jusipov. 3,256,726.

Moscovsky Experimentalny Zavod iskoosstvennoi-Koshi e mekha: *See*—
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Moscowsky Energeticheshy Institute: *See*—
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Mosdell, Daryl R. Floating marine structure. 3,276,209, 10–4–66, Cl. 61—5.

Moseley, Francis L. Concrete structural component and casting frame. 3,254,463, 6–7–66, Cl. 52—250.

Moseley, Semie A. Stringed musical instrument. 3,237,502, 3–1–66, Cl. 84—267.

Moseley, William W. Shotgun pattern control tube. 3,284,942, 11–15–66, Cl. 42—79.

Mosely, Robert B., to Shell Oil Co. Hydration-alkylation process. 3,250,822, 5–10–66, Cl. 260—683.49.

Mosely, Robert B., to Shell Oil Co. Terminal isoolefin isomerization and selective hydration to tertiary alcohol with interstage fractionation of paraffin. 3,277,191, 10–4–66, Cl. 260—641.

Moser, Bernard A., to Capital Coal Co., Inc. Method and apparatus for sink and float separation for minerals of small particle size. 3,246,749, 4–19–66, Cl. 209—12.

Moser, Eduard, deceased (by F. Huber, legal representative), and P. Mueller-Gutjahr, to Ciba Ltd. Sulfur linked phthaloyl-pyrrocolines. 3,242,184, 3–22–66, Cl. 260—272.

Moser, Frank, and R. R. Lewchuk, to Pittsburgh Plate Glass Co. Method of supporting glass for polishing. 3,228,150, 1–11–66, Cl. 51—283.

Moser, Friedrich, to Glumen-Anstalt. Sliders for separable fasteners. 3,255,505, 6–14–66, Cl. 24—205.14.

Moser-Glaser & Co. AG.: *See*—
Felix, Hans. 3,250,850.

Moser, Henry W., and H. Weber, to Samuel M. Langston Co. Double facer paperboard air lift method and apparatus. 3,226,840, 1–4–66, Cl. 34—41.

Moser, Henry W., and R. V. Schultek, to Samuel M. Langston Co. Bow-type web spreading means. 3,266,743, 8–16–66, Cl. 242—56.4.

Moser, Henry W., and W. Grobman, to Samuel M. Langston Co. Progressive scoring mechanism for glued flap box gluer-folder machines. 3,282,175, 11–1–66, Cl. 93—58.1.

Moser, John B.: *See*—
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Moser, John F., Jr.: *See*—
Mayer, Francis X., Carr, and Moser. 3,251,678.
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Porter, Walter J., Jr., and Moser. 3,246,978.

Moser, Joseph R., and H. R. Schatteiner, to Allen-Bradley Co. Relay flip-flop. 3,264,499, 8–2–66, Cl. 307—132.

Moser, Lawrence R., J. A. Kaiser, and R. A. Hardy, Jr., to American Cyanamid Co. Process for producing anorexia. 3,253,989, 5–31–66, Cl. 167—55.

Moser, Paul: *See*—
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Moser, Paul M., and T. R. Trilling, to United States of America, Navy. Display system using variable frequency, constant amplitude-constant width pulses applied to a cathode ray tube. 3,277,335, 10–4–66, Cl. 315—30.

Moser, Robert C., to Golf Eez, Inc. Golf club head. 3,250,536, 5–10–66, Cl. 273—167.

Moser, Theo: *See*—
Wolf, Otto, and Moser. 3,273,309.

Moser, Wilhelm: *See*—
Pellens, Ludwig, Honig, and Moser. 3,278,276.

Moses, Adrian J., to Honeywell Inc. Control apparatus. 3,247,507, 4–19–66, Cl. 340—347.

Moses, Harry, and R. L. Martin, to United States of America, Atomic Energy Commission. Method of discharging a cloud. 3,284,686, 11–8–66, Cl. 317—262.

Moses, Kurt, and E. Hartog, to The Bendix Corp. Self-testing means for computer control signal attenuating devices. 3,275,810, 9–27–66, Cl. 235—151.31.

Moses, Nelson K., to Railroad Rubber Products, Inc. Insulating rubber rail seat. 3,268,170, 8–23–66, Cl. 238—283.

Moses, Nelson K., and R. A. McClung, to Railroad Permanent Way Products Corp. Spring clip for railroad track structures or the like. 3,269,656, 8–30–66, Cl. 238—349.

Moses, Ronald E.: *See*—
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Moses, Ronald E., G. A. Consolazio, and A. J. Paraskevas, to General Foods Corp. Technique for preparation of low-chromium gelatin. 3,232,924, 2–1–66, Cl. 260—118.

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Moses, Sidney A., and J. W. Hassler, to Holex Inc. Electro-explosive cartridge with heat sink button. 3,227,083, 1–4–66, Cl. 102—28.

Moses, William, to S. B. Penick and Co. Process for preparing tyrocidin and product produced thereby. 3,265,572, 8–9–66, Cl. 167—65.

Moseson, Roger M.: *See*—
Anderson, Gerald S., and Moseson. 3,233,137.

Mosher, Donald K.: *See*—
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Mosher, Donald K., to Mobil Oil Corp. Sample chamber system. 3,274,835, 9–27–66, Cl. 73—422.

Mosher, Donald R.: *See*—
Cox, Norman R., Johnson, and Mosher. 3,282,994.

Mosher, Harry S.: *See*—
Hardwick, Eugene R., and Mosher. 3,278,449.

Mosher, James K., to Schulz Tool and Mfg. Co. Control valve with precheck system. 3,237,639, 3–1–66, Cl. 137—890.

Mosher, James R. Protectors for electrical connectors. 3,287,687, 11–22–66, Cl. 339—36.

Mosher, Philip V., and A. M. Smith, to Ford Motor Co. Engine crankcase ventilating system. 3,280,808, 10–25–66, Cl. 123—119.

Moshofsky, Jerome F.: *See*—
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Moshy, Raymond J.: *See*—
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Moshy, Raymond J., to American Machine and Foundry Co. Method of making a tobacco sheet. 3,258,014, 6–28–66, Cl. 131—140.

Mosier, Fred L., to Ludlow Typograph Co. Casting device. 3,294,220, 12–27–66, Cl. 199—1.

Mosier, Harold F., Jr.: *See*—
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Mosier, Harold F., Jr., to Electro-Voice Inc. Dynamic microphone. 3,258,543, 6–28–66, Cl. 179—115.5.

Mosier, Jack M.: *See*—
Mosier, Jeanette E. J. and J. M. 3,289,826.

Mosier, Jeanette E. J. and J. M. Device for treating perianal areas. 3,289,826, 12–6–66, Cl. 206—47.

Mosimann, Walter: *See*—
Fahrni, Peter, Mosimann, and Schnider. 3,271,402.

Mosinski, Waclaw, to Allied Control Co., Inc. Time delay circuits. 3,282,631, 11–1–66, Cl. 307—88.5.

Mosinskis, Victor S., to The Boeing Co. Blade folding mechanism for rotary wing aircraft. 3,247,907, 4–26–66, Cl. 170—160.12.

Moskovitz, Milton A. Combination knock-out and drive-in tool for cartridge type ball-joints. 3,233,317, 2–8–66, Cl. 29—275.

Moskovitz, Milton A. Method of manipulating a cartridge-type ball-joint. 3,266,134, 8–16–66, Cl. 29—401.

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Moskow, Harry J., to McGregor Electronics, Inc. Speaker cone unit. 3,292,730, 12–20–66, Cl. 181—32.

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Moskowitz, Saul, to Kollsman Instrument Corp. Optical-analog integrator. 3,274,380, 9–20–66, Cl. 235—183.

Moskowitz, Saul, to Kollsman Instrument Corp. Automatic pattern recognition system. 3,274,549, 9–20–66, Cl. 340—146.3.

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Mosler Research Products, Inc.: *See*—
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Moslo, Ernest P. Neck ring mold. 3,264,684, 8–9–66, Cl. 18—5.

Mosovsky, Charles N. Combined turbo and internal-combustion engine. 3,237,613, 8–1–66, Cl. 123—12.

Mosovsky, Joseph G. Electroluminescent dial clock and nightlight. 3,273,331, 9–20–66, Cl. 58—50.

Moss, Alfred. Fluorescent lampholders and fittings. 3,252,125, 5–17–66, Cl. 339—56.

Moss, Charles R.: *See*—
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Moss, Fred D., to Shell Oil Co. Process for the preparation of synthetic rubber latex. 3,281,386, 10–25–66, Cl. 260—29.7.

Moss, Gerald, to United States Catheter & Instrument Corp. Apparatus and process for monitoring liquid flow in living animals. 3,228,397, 1–11–66, Cl. 128—214.

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Moss, Hanson C., to E. I. du Pont de Nemours and Co. Filter press. 3,233,733, 2–8–66, Cl. 210—185.

Moss, Herbert L. Contact lens with upper crescent shaped scleral flange and having vent channels and apertures. 3,246,941, 4–19–66, Cl. 351—160.

Moss, Hoyle G., and R. C. Schwartz, to Continental/Moss-Gordin, Inc. Jet spiral drier. 3,269,029, 8–30–66, Cl. 34—182.

Moss, Jack. Checkbook. 3,254,906, 6–7–66, Cl. 282—23.

Moss, James R.: *See*—
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Moss, John H., to The O'Malley Lumber Co. Ceiling and wall tile and suspension system for same. 3,290,848, 12–13–66, Cl. 52—497.

Moss, Norman, T. A. Oldfield, P. B. Kahn, and K. J. Coleman, to Plessey-UK, Ltd. Apparatus for measuring the mass flow of fluids. 3,241,367, 3–22–66, Cl. 73—231.

Moss, Norman S., to Wilmot-Breeden Ltd. Theft prevention devices. 3,236,077, 2–22–66, Cl. 70—239.

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Moss, Trevor F. Pneumatic hose. 3,288,169, 11–29–66, Cl. 138—118.

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Mosse, Richard W. E., to The Metal Box Co. Ltd. Apparatus for setting-up cartons. 3,260,173, 7–12–66, Cl. 93—61.

Mossey, Joseph L., to The Bendix Corp. Brake adjuster. 3,232,392, 2–1–66, Cl. 188—196.

Mossey, Joseph L. and R. T. Buruett, to The Bendix Corp. Brake. 3,283,858, 11–8–66, Cl. 188—78.

Mosshart, Crockett, and R. H. Snyder, to United States Rubber Co. Inflatable body. 3,242,964, 3–29–66, Cl. 152—356.

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Mostoller, George, to Elwin G. Smith Co., Inc. Wall assembly including explosion bolts. 3,258,887, 7–5–66, Cl. 52—98.

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Motizuki, Kazuwo, T. Kanzaki, H. Okazaki, H. Yoshino, K. Nara, M. Isono, I. Nakanishi, and K. Sasajima, to Takeda Chemical Industries, Ltd. Method for producing 2-keto-L-gulonic acid. 3,234,105, 2–8–66, Cl. 195—49.
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Mueller, Charles J., and R. C. Hosek, to Packaging Corp. of America. Container with automatic erecting corners. 3,258,191, 6–28–66, Cl. 229—31.
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Muller, Erwin, and K. Dinges, to Farbenfabriken Bayer Aktiengesellschaft. Self-crosslinking polymers. 3,262,985, 7–26–66, Cl. 260—80.3.
Muller, Erwin, O. Bayer, and J. Peter, to Farbenfabriken Bayer Aktiengesellschaft. Polyurethanes from hydroxy alkylated aromatic amines. 3,264,268, 8–2–66, Cl. 260—77.5.
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Muller, Georges, and A. Poittevin, to Roussel-UCLAF. Desacetylamino-N-methyl colchicinamide. 3,249,638, 5–3–66, Cl. 260—571.
Muller, Georges, and A. Poittevin, to Roussel-UCLAF. Therapeutic utilization of 17α-methyl-Δ^5-5α-androstene-11β,17β-diol. 3,287,221, 11–22–66, Cl. 167—74.
Muller, Gerhard, R. Merten, and W. Bunge, to Farbenfabriken Bayer Aktiengesellschaft. Isocyanate process. 3,259,626, 7–5–66, Cl. 260—248.
Muller, Gerhard, and R. Merten, to Farbenfabriken Bayer Aktiengesellschaft. Certain 1,3,5 oxadiazine-ones and a process for their preparation. 3,294,792, 12–27–66, Cl. 260—244.
Muller, Hans. Filtering apparatus. 3,233,734, 2–8–66, Cl. 210—216.
Muller, Hans. Liquid-cooled internal combustion engine. 3,246,638, 4–19–66, Cl. 123—41.72.
Muller, Hans. Method and apparatus for filtering residual slurry. 3,251,468, 5–17–66, Cl. 210—66.
Muller, Hans. Filter process with recirculation of unfiltered liquid. 3,251,469, 5–17–66, Cl. 210—66.
Muller, Hans. Water-cooled internal combustion engine. 3,261,337, 7–19–66, Cl. 123—41.31.
Muller, Hans. Apparatus and method for threadless binding of books, booklets, pamphlets and the like. 3,283,351, 11–8–66, Cl. 11—1.
Muller, Hans. Rotary disc filter device. 3,292,791, 12–20–66, Cl. 210—330.
Muller, Hans, F. Neumann, and R. Wiechert, to Schering A.G. 1,1 - ethylene - 17α - alkyl - Δ^3 - 5α - androstene - 17β - ol compounds. 3,260,734, 7–12–66, Cl. 260—397.3.
Muller, Hans J. P. Internal combustion engine. 3,280,805, 10–25–66, Cl. 123—55.
Muller, Hans-Joachim: *See*—
Kronig, Walter, Muller, and Vopel. 3,271,297.
Muller, Heinrich: *See*—
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Müller, Franz and H. 3,284,037.
Singer, Franz, and Muller. 3,240,141.
Muller, Herbert: *See*—
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Müller, Herbert. Joint construction, particularly for tripod stands. 3,257,091, 6–21–66, Cl. 248—169.
Muller, Horst G., to General Electric Co. Feeding mechanism. 3,289,283, 12–6–66, Cl. 29—203.
Muller, Hubert, to Industrie-Werke Karlsruhe A.G. Method and apparatus for punching flexible strip stock. 3,248,978, 5–3–66, Cl. 83—36.
Muller, Hugo. Conveyor with removable slats. 3,231,070, 1–25–66, Cl. 198—195.
Muller, Jacques, to Rellumit, Inter, S.a.r.L. Self-propelling barge. 3,270,706, 9–6–66, Cl. 115—35.
Muller, Jacques, to Rellumit Inter, S.a.r.L. Filtering equipment for fluids. 3,283,903, 11–8–66, Cl. 210—108.
Muller, Jacques, to Rellumit Inter, S.a.r.L. Filtering equipment. 3,285,420, 11–15–66, Cl. 210—262.
Muller, Jacques. Filtering equipment for fluids. 3,289,839, 12–6–66, Cl. 210—126.
Müller, Jakob. Thread spool and reflecting member for apparatus for monitoring the thread supply of a loom. 3,241,-789, 3–22–66, Cl. 242—118.32.
Muller, Jean J., to International Standard Electric Corp. Compatible single sideband radio transmission system. 3,277,376, 10–4–66, Cl. 325—137.
Muller, Johann: *See*—
Reeber, Rudolf, and Muller. 3,266,375.
Muller, Johann. Sausage stuffing machine. 3,238,559, 3–8–66, Cl. 17—39.
Muller, Johann, to H. and W. Deckel. Duplicating milling machine. 3,286,598, 11–22–66, Cl. 90—13.1.
Müller, Johann, and H. Lanzenberger, to H. and F. W. Deckel. Dual swivel axes clamping table. 3,248,101, 4–26–66, Cl. 269—78.
Muller, John E., to Acme Air Appliance Co., Inc. Collapsing core injection mold. 3,280,432, 10–25–66, Cl. 18—42.
Muller, John E., to Acme Air Appliance Co., Inc. Valve assembly for container of fluid under pressure. 3,283,959, 11–8–66, Cl. 222—396.
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Pahl, Gunter, and Müller. 3,253,610.
Weindel, Klaus, Muller, and Wanner. 3,248,857.
Müller, Josef, to Daimler-Benz Aktiengesellschaft. Suspension for driven, swinging half-axles. 3,243,008, 3–29–66, Cl. 180—73.
Müller, Josef, to Daimler-Benz Aktiengesellschaft. Suspension for driven swinging half-axles. 3,245,490, 4–12–66, Cl. 180—73.
Muller, Josef, to Daimler-Benz Aktiengesellschaft. Spot type disk brake. 3,249,181, 5–3–66, Cl. 188—73.
Müller, Josef, to Daimler-Benz Aktiengesellschaft. Transmission housing. 3,263,521, 8–2–66, Cl. 74—606.
Müller, Josef, and A. J., to Daimler-Benz Aktiengesellschaft. Wheel suspension. 3,245,491, 4–12–66, Cl. 180—73.
Müller, Josef and A. J., to Daimler-Benz Aktiengesellschaft. Independent wheel suspension. 3,273,909, 9–20–66, Cl. 280—96.2.
Muller, Joseph, and E. Lenze, to Trilux-Lenze K.G. Lamp fitting. 3,283,145, 11–1–66, Cl. 240—128.
Muller, Joseph F., and T. J. Spanke. Folding cart for outboard motors. 3,241,852, 3–22–66, Cl. 280—40.
Muller, Karl A., Jr.: *See*—
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Muller, Karl H., and P. Borner, to Schering Aktiengesellschaft. Process for the preparation of bicyclo-(3,2,1)-octene-(2). 3,274,271, 9–20–66, Cl. 260—666.
Muller, Klaus G. Ionization vacuum meter with switching means for linear and logarithmic responses. 3,227,947, 1–4–66, Cl. 324—33.
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Muller, Marcel: *See*—
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Muller, Marcel W., to Varian Associates. Pulsed ferromagnetic microwave generator. 3,252,111, 5–17–66, Cl. 331—96.
Muller, Martin, to International Standard Electric Corp. System for eliminating AM to PM conversion in an FM system utilizing a plurality of equalizers. 3,237,121, 2–22–66, Cl. 330—207.
Müller, Martin, to International Standard Electric Corp. Frequency multiplex repeater station having channel drop facilities. 3,294,914, 12–27–66, Cl. 179—15.
Muller, Otto: *See*—
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Müller, Paul, to Kordt & Co. Linear measurement device. 3,241,241, 3–22–66, Cl. 33—143.
Muller, Paul, to W. C. Heraeus G.m.b.H. Determination of impurities in pure gases, preferably hydrogen. 3,258,896, 7–5–66, Cl. 55—16.
Muller, Paul, to Gelma Gesellschaft fur Elektro-Fein Mechanik m.b.H. Template controlled figure display drum. 3,281,819, 10–25–66, Cl. 340—324.
Muller, Peter: *See*—
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Muller, Peter, to Beteiligungs- und Patentverwaltungs-gesellschaft mit beschrankter Haftung. Rotary displacement machine. 3,289,652, 12–6–66, Cl. 123—15.
Muller, Robert E., and R. J. Morris, Jr., to MacAndrews & Forbes Co. Sucrose-ammoniated glycyrrhizin sweetening agent. 3,282,706, 11–1–66, Cl. 99—141.
Muller, Robert J., to Russell, Burdsall & Ward Bolt and Nut Co. Plugs for plugging holes in manhole covers. 3,262,599, 7–26–66, Cl. 220—24.5.
Muller, Robert W., and G. J. Kookootsedes, to Dow Corning Corp. Catalyzed phenylsiloxane resins. 3,264,260, 8–2–66, Cl. 260—46.5.
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Muller, Rudolf, and E. Heinrich, to Chemische Werke Huls Aktiengesellschaft. Terpolymer dispersions for textile coating. 3,268,469, 8–23–66, Cl. 260—29.6.
Muller, Rudolf, W. Lesnig, S. Platz, and G. Koepke, to Farbenfabriken Bayer Aktiengesellschaft. Industrial capillary viscometer. 3,283,565, 11–8–66, Cl. 73—55.
Muller, Walter: *See*—
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Muller, Walter, to Siemens-Schuckertwerke Aktiengesellschaft. Interleaved winding arrangement for electrical apparatus. 3,260,978, 7–12–66, Cl. 336—187.
Muller, Walter G.: *See*—
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Muller, Werner, to Magnetfabrik Bonn Gewerkschaft Windhorst. Method of making magnetically anisotropic permanent magnets. 3,256,591, 6–21–66, Cl. 29—155.6.

Muller, Werner, to Magnetfabrik Bonn Gewerkschaft Windhorst. Method and apparatus for making magnetically anisotropic permanent magnets. 3,274,303, 9–20–66, Cl. 264—24.

Müller, Willi: *See*—
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Müller, Willy. Recording and reproducing appliance for connection to a public telephone network. 3,250,856, 5–10–66, Cl. 179—6.

Muller, Wolf F., and R. S. Lanier. Cam-operated rotary fluid displacement device. 3,230,891, 1–25–66, Cl. 103—143.

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Muller-Girard, Otto, to Taylor Instrument Companies. Plural movable core transformer assembly with escapement means. 3,273,100, 9–13–66, Cl. 336—131.

Müller-Meyer, Erica S, to Louis Sarrasin. Distributor pump. 3,280,747, 10–25–66, Cl. 103—2.

Müller Vom Hagen, Heinz-Günther, to Ilse-Werke KG. Extensible support column. 3,285,207, 11–15–66, Cl. 108—144.

Mullery, Alvin P., and R. F. Schauer, to International Business Machines Corp. Computer data storage and handling system having means for linking discontinuous data. 3,273,-129, 9–13–66, Cl. 340—172.5.

Mullery, Alvin P., and R. F. Schauer, to International Business Machines Corp. Current addressing system. 3,293,615, 12–20–66, Cl. 340—172.5.

Mullery, Alvin P., and R. F. Schauer, to International Business Machines Corp. Computer instruction sequencing and control system. 3,293,616, 12–20–66, Cl. 340—172.5.

Mullet, Ernest, and W. D. Rempel, to Excel Industries, Inc. Cab enclosure for agricultural implements. 3,278,222, 10–11–66, Cl. 296—28.

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Mullins, John A., to Rolls-Royce Ltd. Aircraft. 3,266,245, 8–16–66, Cl. 60—35.55.

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Mullins, William D., D. E. Wilcox, and R. H. Mattson, to North American Aviation, Inc. Condition responsive signal generator for producing a variable frequency signal. 3,226,-981, 1–4–6, Cl. 73—517.

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Mullins, William D., Jr., to North American Aviation, Inc. Three-axis accelerometer. 3,272,016, 9–13–66, Cl. 73—517.

Mullion, John J., to General Dynamics Corp. Vacuum chuck assembly. 3,236,533, 2–22–66, Cl. 279—3.

Mullner, Jake S. Rural mailbox with automatic signals. 3,270,956, 9–6–66, Cl. 232—35.

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Multi-Elmac Co.: *See*—
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Mumford, Eustace H., to Owens-Illinois Glass Co. Invert mechanism on glass forming machine. 3,233,999, 2–8–66, Cl. 65—359.

Mumford, George V., to Owens-Illinois, Inc. Container and closure for same. 3,286,867, 11–22–66, Cl. 215—40.

Mumford, George V., to Owens-Illinois, Inc. Container and closure for same. 3,286,868, 11–22–66, Cl. 215—40.

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Mummert, John R., E. E. Trammel, J. D. Shinn, and O. K. Norton, to Commercial Filters Corp. Automatic filtering apparatus. 3,228,528, 1–11–66, Cl. 210—333.

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Munch, Walter, Jr., to D. H. Baldwin Co. Switching system for electrical organs. 3,240,857, 3–15–66, Cl. 84—1.01.

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Munk, Edmund, to Furnier- und Sperrholzwerk J. F. Werz, Jr., K.G. Werzalit-Pressholzwerk Oberstenfeld. Method and apparatus for coating the edge portions of compressed workpieces. 3,283,052, 11–1–66, Cl. 264—248.

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Munn, Ben. Stretcher frame for oil paintings. 3,238,996, 3–8–66, Cl. 160—374.1.

Munn, Elvin R., ½ to R. A. Munn. Paint roller device. 3,263,263, 8–2–66, Cl. 15—573.

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Munoz, Robert M., to United States of America, Aeronautics and Space Administration. High-efficiency multivibrator. 3,277,314, 10–4–66, Cl. 307—88.5.

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Munro, Nell, R. G. Nauta, and C. W. Westphal, to Dorr-Oliver Inc. Fluidized bed method and apparatus. 3,277,582, 10–11–66, Cl. 34—57.

Munroe, Thomas, to Moraine Box Co. Collapsible bin box. 3,294,307, 12–27–66, Cl. 229—23.

Munschauer, Edwin A., Jr., to Niagara Machine & Tool Works. Adjustable crank mechanism. 3,242,768, 3–29–66, Cl. 74—600.

Munsenteiger, Leo F.: *See*—
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Munson, Arden L., and J. A. Hirsch, to P. R. Mallory & Co., Inc. Control means for a fuel burning system. 3,279,521, 10–18–66, Cl. 158—28.

Munson, Donald J., to The J. R. Clark Co. Table mountable iron rest. 3,268,192, 8–23–66, Cl. 248—117.1.

Munson, Richard D.: *See*—
Alling, John, Munson, and Guarnera. 3,235,176.

Munson, Wesley N.: *See*—
Tyree, Lewis, Jr., and Munson. 3,277,797.

Munson, Whitney K. Handgrip unit for rubber stamps. 3,269,309, 8–30–66, Cl. 101—406.

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Munt, Plummer C., to E. B. & A. C. Whiting Co. Brush containing polypropylene bristles. 3,239,865, 3–15–66, Cl. 15—159.

Muntanola Ribot, Luis. Process for making centrifugated pipes, and machine for realisation thereof. 3,289,906, 8–15–66, Cl. 25—30.

Munters, Carl & Co.: *See*—
Bredberg, Sven J. H. 3,262,682.
Lindqvist, Per L. 3,265,550.

Munters, Carl G. Method of heat treating an inorganic fibrous body for moisture transfer and/or heat. 3,231,409, 1–25–66.

Munters, Carl G. Method and apparatus for evaporating a component from a liquid containing several components. 3,266,553, 8–16–66, Cl. 159—4.

Muntwyler, Fredric C., to Wire Machinery, Inc. Roll-fed rod severing machine. 3,237,829, 3–1–66, Cl. 225—103.

Munushian, Jack, and R. H. Hardin, to Hughes Aircraft Co. Electrically variable phase shifter. 3,235,820, 2–15–66, Cl. 333—31.

Munyon, Julian M., to Barber-Greene Co. Grade control system on bituminous pavers. 3,285,148, 11–15–66, Cl. 94—46.

Munz, Ferdinand, L. Eue, and D. Delfs, to Farbenfabriken Bayer Aktiengesellschaft. Method of controlling weeds. 3,253,902, 5–31–66, Cl. 71—2.6.

Munz, Otto: *See*—
Heuck, Claus, Munz, Winter, and Schulde. 3,258,449.

Munz, Otto J. Three-dimensional tele-glyph video system. 3,258,766, 6–28–66, Cl. 343—5.

Munz, Otto J. Three-dimensional volumetric drawing, data representation and recording systems. 3,258,775, 6–28–66, Cl. 346—1.

Munzel, Fritz: *See*—
Heberlein, Georg, and Munzel. 3,252,750.
Heberlein, Georg, and Munzel. 3,254,940.

Munzel, Fritz, to Herberlein & Co. AG. Process of modifying cellulosic materials with ionizing radiation. 3,254,939, 6–7–66, Cl. 8—116.

Munzenmaier, Donald H.: *See*—
Andreasen, Howard P., and Munzenmaier. 3,266,311.

Munzenmaier, Irmgard C.: *See*—
Enders, Heinz, Wiest, Deiner, Munzenmaier, and Brockmeier. 3,232,790.

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Murad, Emil M. Encase semiconductor with heat conductive and protective insulative encapsulation. 3,271,638, 9–6–66, Cl. 317—234.

Murakami, Paul. Car door actuator device. 3,274,732, 9–27–66, Cl. 49—280.

Murakami, Ryuichi, to Nippon Electric Co., Ltd. Malfunction monitoring of time-division multiplex PCM equipment, 3,259,695, 7–5–66, Cl. 179—15.

Murakami, Tomohisa, S. Morisaki, and K. Hiiro, to Hodogaya Chemical Co., Ltd. Decolorized and stabilized organic polyisocyanate compositions. 3,260,702, 7–12–66, Cl. 260—77.5.

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Muramatsu, Nobutoshi: *See*—
Okumura, Shinji, Yamanoi, Komagata, Shiro, Muramatsu, and Motozaki. 3,249,511.
Tsuchiya, Yoshio, Takenishi, Kato, Muramatsu, Mori, Yoshikawa, and Ichikawa. 3,288,780.

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Murata, Atsuo, R. Kokubo, and M. Matsui, to Nissan Kagaku Kogyo Kabushiki Kaisha. Melamine production improvement. 3,251,843, 5–17–66, Cl. 260—249.7.

Murata Kikgi Kabushiki Kaisha: *See*—
Matsui, Isamu, and Nakahara. 3,281,088.
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Yanobu, Hideo. 3,293,839.

Murata Mfg. Co., Ltd.: *See*—
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Murata, Yorihiro, and R. Labosky, to The Carborundum Co. Bonded boron nitride. 3,240,614, 3–15–66, Cl. 106—39.

Murata, Yoshio: *See*—
Hoshino, Fumio, and Murata. 3,246,195.

Murata, Yoshio, to Hitachi Ltd. Single multi-electrode electron tube having a disc shaped ceramic stem with a recessed portion in one face thereof said recess portion having a metal layer thereon. 3,275,877, 9–27–66, Cl. 313—250.

Murata, Yoshio. Optical transfer system. 3,290,988, 12–13–66, Cl. 88—24.

Murawsky, Fritz: *See*—
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Sugawara, Masao, Yamamoto, Takei, and Murayama. 3,280,364.

Murbach, Oskar. Kettle drum. 3,279,299, 10–18–66, Cl. 84—419.

Murch, Andrew F. and J. A. Production of polished juices. 3,236,655, 2–22–66, Cl. 99—106.

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Murch, Andrew F. and J. A. 3,236,655.

Murch, Robert M., to Dow Corning Corp. Polymers of 3,3,3-trichloropropene. 3,240,690, 3–15–66, Cl. 204—163.

Murcott, Charles E. One directional movement catch device. 3,239,255, 3–8–66, Cl. 287—58.

Murcott, Charles E., to General Medical Equipment Corp. Safety control vest restraining device. 3,276,430, 10–4–66, Cl. 119—96.

Murcott, Charles E., to General Medical Equipment Corp. Multi-purpose safety vest restraint for chains or beds. 3,276,431, 10–4–66, Cl. 119—96.

Murdoch, Alexander, Jr., to Blackstone Corp. Cleaning apparatus. 3,229,702, 1–18–66, Cl. 134—89.

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Murdoch, Colin D., 20% to C. W. Pennebaker. Magnetic clutch. 3,268,043, 8–23–66, Cl. 192—84.

Murdoch, Colin D., 20% to Chad W. Pennebaker. Magnetic tape apparatus. 3,282,523, 11–1–66, Cl. 242—55.13.

Murdoch, John P. Air couditioning system. 25,990, 3–22–66, Cl. 62—183.

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Schad, Charles A. 3,260,816.

Murdock, James D., N. Nelan, and G. H. Segall, to Canadian Industries Ltd. Method for rendering polymers compatible. 3,236,914, 2–22–66, Cl. 260—857.

Murdock, James D., N. Nelan, and G. H. Segall, to Canadian Industries Ltd. Homogenous blends of polyamides with carboxylate copolymers containing a neutral monomer comprising butadiene-1,3, vinyl chloride, or a mixture of butadiene-1,3, and methyl methacrylate. 3,274,289, 9–20–66, Cl. 260—857.

Murdock, Robert M. Layer cake separator. 3,236,389, 2–22–66, Cl. 211—133.

Murdock, Robert W.: *See*—
Mowry, Lorenz J., and Murdock. 3,254,196.

Murdock, Stanley A.: *See*—
Shaw, Kernal G., and Murdock. 3,284,531.

Murdock, Stanley A. Stabilized polyolefin polymer compositions. 3,245,949, 4–12–66, Cl. 260—45.85.

Murdock, Stanley A., to The Dow Chemical Co. Stabilized polyolefin polymer compositions containing a dialkylthiodipropionate and a polyphenolic alkane. 3,284,403, 11–8–66, Cl. 260—45.85.

Murdock, Stanley A., A. Armen, and G. R. Cokelet, to Dow Chemical Co. Making spinning solutions of vinyl cyanide/N-vinyl-3-morpholinone copolymers in aqueous zinc chloride media. 3,240,739, 3–15–66, Cl. 260—29.6.

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Murgas, William J.: *See*—
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Murgatroyd, Robert: *See*—
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Coulter, Michael O., and McLean. 3,250,017.

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Murley, Ellsworth M., Jr., to Owens-Illinois, Inc. Apparatus for inspecting hollow syringe cartridges and the like. 3,268,318, 8–23–66, Cl. 65—158.

Murley, John R., to Imperial Chemical Industries Ltd. Crimed staple fibres. 3,244,275, 4–5–66, Cl. 206—83.5.

Muro, Tomio: *See*—
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Muroga, Ko: *See*—
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Muroga, Ko, and J. Okuda, to Nippon Electric Co. Ltd. Bi-directional code translation circuit. 3,235,664, 2–15–66, Cl. 179—18.

Murphey, Lloyd H., to Essex Wire Corp. Control apparatus. 3,273,020, 9–13–66, Cl. 317—99.

Murphree, Eger V., to United States of America, Atomic Energy Commission. Nuclear power generating apparatus. 3,284,309, 11–8–66, Cl. 176—45.

Murphree, Eger V., and H. J. Ogorzaly, to Esso Production Research Co. Methods of recovery of oil. 3,256,933, 6–21–66, Cl. 166—7.

Murphree, Kenneth E., to Reynolds Metals Co. Pipe joint constructions and methods of making the same or the like. 3,268,247, 8–23–66, Cl. 285—286.

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Murphy, Bernard A., and E. A. Kocsis, to Inland Container Corp. Container for bulk goods. 3,262,629, 7–26–66, Cl. 229—14.

Murphy, Bernard T., to Westinghouse Electric Corp. Monolithic semiconductor devices. 3,237,062, 2–22–66, Cl. 317—234.

Murphy, Bernard T., to William B. Hugle and Richard E. Lee, doing business as Hugle and Lee, Consultants. Pulse gate. 3,240,954, 3–15–66, Cl. 307—88.5.

Murphy, Bernard T., and D. R. Zimmermann, to E. R. Squibb & Sons, Inc. Time indicator. 3,263,647, 8–2–66, Cl. 116—133.

Murphy, Bynum E., to Anderson-Dunham, Inc., d.b.a. Dunham Mfg. Co. Endless belt side delivery rake. 3,237,390, 3–1–66, Cl. 56—376.

Murphy, Charles F., to Michigan Magnetic, Inc. Method of aircraft control and aircraft radio communications and apparatus therefor. 3,283,251, 11–1–66, Cl. 325—66.

Murphy, Charles V., to E. I. du Pont de Nemours and Co. Process of making homogeneous particles comprising nitrocellulose mixtures. 3,235,420, 2–15–66, Cl. 149—18.

Murphy, Charles V., and J. R. Ness, to E. I. du Pont de Nemours and Co. Nitrocellulose process using emulsifying agents. 3,251,823, 5–17–66, Cl. 260—223.

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Pianka, Max, and Polton. 3,234,260.
Pianka, Max, and Polton. 3,259,540.

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Chung, David H., and Murphy. 3,248,568.

Murphy, David J., Jr., to American Air Filter Co., Inc. High efficiency unit filter assembly. 3,242,656, 3–29–66, Cl. 55—500.

Murphy, David M. Grain circulating apparatus. 3,251,582, 5–17–66, Cl. 259—111.

Murphy, David W. Proportional spacing method and stenciling or lettering apparatus. 3,242,577, 3–29–66, Cl. 33—174.

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Murphy, Donald D., to Joy Mfg. Co. Conveyor apparatus. 3,288,272, 11–29–66, Cl. 198—139.

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Murphy, Frank W., Jr.: *See*—
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Murphy, Gerald E. Telescopic vertical level. 3,277,579, 10–11–66, Cl. 33—208.

Murphy, Gerald G. Graphic recording apparatus. 3,270,349, 8–30–66, Cl. 346—46.

Murphy, Hugh, to The Prestige Group Ltd. Display boards for knives. 3,278,020, 10–11–66, Cl. 206—80.

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Murphy, Kevin P., S. R. Orfeo, and W. J. Cunningham, to Allied Chemical Corp. Power Fluid. 3,282,048, 11–1–66, Cl. 60—36.

Murphy, L. R., Scale Co.: *See*—
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Murphy, Leslie R., to L. R. Murphy Scale Co. Vehicle-weighing scale with deck unit which may be dismantled for transportation. 3,272,269, 9–13–66, Cl. 177—126.

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Murphy, Thomas F. Street sweeper. 3,281,879, 11–1–66, Cl. 15—84.

Murphy, Thomas F. Street sweeper. 3,293,679, 12–27–66, Cl. 15—84.

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Murray, Darrell E., E. F. Miller, Jr., and H. R. Williams. Combined miss-distance indicator and telemetry system. 3,289,204, 11–29–66, Cl. 343—7.5.

Murray, Donald A., and C. F. Crumb, to International Harvester Co. Tractor implement arm reversing apparatus. 3,257,745, 6–28–66, Cl. 37—144.

Murray, Eugene J., to United States of America, Army. Method of desensitizing lead azide and tetryl. 3,265,545, Cl. 149—35.

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Murray, James G., to General Electric Co. Cyclic polysiloxazanes. 3,239,550, 3–8–66, Cl. 260—448.2.

Murray, James G., to General Electric Co. Cyclic siloxazanes. 3,239,551, 3–8–66, Cl. 260—448.2.

Murray, James G., to General Electric Co. Process for making ordered siloxazane polymers. 3,271,361, 9–6–66, Cl. 260—46.5.

Murray, John R. Ratchet wrench. 3,286,560, 11–22–66, Cl. 81—58.1.

Murray, Joseph G., to Borg-Warner Corp. Prevention of concentrated solution flashing in an absorption refrigeration system. 3,241,330, 3–22–66, Cl. 62—101.

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Murray, Robert W. Liquid metering device. 3,241,715, 3–22–66, Cl. 222—20.

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Muschett, William G. Quick-connect/disconnect sprinkler coupling for replacing sprinklers in an irrigation system. 3,266,768, 8–16–66, Cl. 251—149.5.

Muschong, Peter W., to Central Transformer Corp. Bushing protective hood and connector. 3,284,563, 11–8–66, Cl. 174—145.

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Mushey, John L. Method of making watch bands. 3,254,396, 6–7–66, Cl. 29—160.6.
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Nabor, George W., and M. Mortada, to Socony Mobil Oil Co., Inc. Method and system for petroleum recovery. 3,256,935, 6–21–66, Cl. 166—9.
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Nakayama, Eddie U., to Phillips Petroleum Co. Maintaining hydrogen halide concentration in the conversion of hydrocarbons employing metal halide catalysts and hydrogen halide promoter. 3,271,467, 9–6–66, Cl. 260—666.

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Nakayama, Yoshiaki, K. Odagawa, and S. Hasegawa, to Tokyo Shibaura Electric Co. Ltd. Pickup storage tube. 3,293,484, 12–20–66, Cl. 315—11.

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Nallinger, Friedrich K. H., to Daimler-Benz Aktiengesellschaft. Ventilating installation for vehicles. 3,238,999, 3–8–66, Cl. 165—41.

Nallinger, Friedrich K. H., to Daimler-Benz Aktiengesellschaft. Rotary piston engine. 3,253,581, 5–31–66, Cl. 123—8.

Nallinger, Friedrich K. H., to Daimler-Benz Aktiengesellschaft. Rotary piston injection engine. 3,255,737, 6–14–66, Cl. 123—8.

Nallinger, Friedrich K. H. Heating installation for vehicles. 3,260,187, 7–12–66, Cl. 98—2.

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Nametz, Richard C., and R. J. Nulph, to Michigan Chemical Corp. Process of preparing self-extinguishing resinous polyesters based upon tetrabromophthalic anhydride. 3,285,995, 11–15–66, Cl. 260—865.

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Nanigian, Jacob, and Nichols. 3,283,580.

Nann, Erwin. Apparatus for removing nipples from turned workpieces. 3,262,367, 5–24–66, Cl. 83—267.

Nanninga, Robert N., to Leach Corp. Snap switch with dual blades urged toward each other. 3,281,553, 10–25–66, Cl. 200—67.

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Nansel, Harold K. Multiple extension apparatus. 3,250,182, 5–10–66, Cl. 91—167.

Nansel, Harold K. Railway car mover. 3,251,313, 5–17–66, Cl. 105—90.

Nansel, Harold K., to National Crane Corp. Carrier link chain assembly for hoses. 3,284,036, 11–8–66, Cl. 248—49.

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Hennessey, Raymond G., Naptel, and Schank. 3,244,470.

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Taylor, George W. C., and Napier. 3,291,664.

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Naples, John, to Naples-Harrah, Inc. Rapid ignition charcoal package and method of igniting. 3,279,900, 10–18–66, Cl. 44—40.

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Napp, Sidney M., to Besly-Welles Corp. Method of grinding. 3,250,046, 5–10–66, Cl. 51—281.

Napp, Sidney M., to Besly-Wells Corp. Grinding method. 3,260,019, 7–12–66, Cl. 51—281.

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Nardin, Pierre-Antoine. Closing means of casings for apparatus such as measuring instruments, watch movements or the like. 3,284,998, 11–15–66, Cl. 58—90.

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Nardone, John M., to United Shoe Machinery Corp. Adhesive processes for the attachment of soles to shoe uppers. 3,278,-959, 10–18–66, Cl. 12—142.

Nardone, John M., to United Shoe Machinery Corp. Adhesive processes. 3,278,960, 10–18–66, Cl. 12—142.

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Nargang, John W., and Arthur D. Smith (also known as A. Dean Smith), to Kaiser Aluminum & Chemical Corp. Continuous running bar switching and cutoff apparatus. 3,261,-247, 7–19–66, Cl. 83—106.

Narita, Yoshio, B. Uzuki, and A. Tomimoto, to Nippon Sanso Kabushiki Kaisha. Photosensitive means for determining trace oxygen by measuring chemiluminescence. 3,285,703, 11–15–66, Cl. 23—254.

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Naro, Paul A., and R. D. Offenhauer, to Socony Mobil Oil Co., Inc. Polymerization of epoxides using as catalyst a metal alkoxide-phosphorous acid reaction product. 3,244,-646, 4–5–66, Cl. 260—2.

Narodny, Leo H., to United States of America, Army. Photographic method and apparatus. 3,282,695, 11–1–66, Cl. 96—61.

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Narozny, Ronald S., and C. C. Anderson, to International Telephone and Telegraph Corp. Ferrule construction and a method for producing same. 3,286,223, 11–15–66, Cl. 339—276.

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Naruse, Masao, and T. Kumasawa, said Kumasawa assor., to Shin-Mitsubishi Jukogyo Kabushiki. Process for the manufacture of a gear. 3,286,329, 11–22–66, Cl. 29—159.2.

Narutani, Shigeru, to Nippon Columbia Kabushiki Kaisha (Nippon Columbia Co. Ltd.). Record player. 3,281,152, 10–25–66, Cl. 274—9.

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Nash, Alan R. B. Rotary dampers. 3,274,836, 9–27–66, Cl. 74—574.

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Johnson, Leo F., and Nassau. 3,248,668.
Nassau, Kurt, to Bell Telephone Laboratories, Inc. Process for growing neodymium doped single crystal divalent metal ion tungstates. 3,257,327, 6–21–66, Cl. 252—301.5.
Nassau, Kurt, S. P. Porto, and A. Yariv, to Bell Telephone Laboratories, Inc. Optical maser comprising the active medium $CaWO_4$:Pr. 3,258,716, 6–28–66, Cl. 331—94.5.
Nassimbene, Ernie G., to International Business Machines Corp. Input-output conversion apparatus. 3,244,369, 4–5–66, Cl. 235—145.
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Nasu, Kintaro, T. Asai, K. Hayashi, and S. Tsuchida, to Fugi Shashin Film Kabushiki Kaisha. Method for stabilizing developed photosensitive materials. 3,243,296, 3–29–66, Cl. 96—61.
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Nathan, Amos. Electronic function generator with interpolating resistors. Re. 26,029, 5–24–66, Cl. 235—197.
Nathan, Amos. Multivariate interpolating function generators. 3,261,971, 7–19–66, Cl. 235—197.
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Nathan, Wilfred S., deceased; by S. G. Nathan, and G. S. Davis, personal representatives, and J. F. Ford, to The British Petroleum Co. Ltd. Desulphurisation of hydrocarbon materials. 3,284,342, 11–8–66, Cl. 208—208.
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Natta, Giulio, G. Dall'Asta, G. Mazzanti, I. Pasquon, A. Valvassori, and A. Zambelli, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Copolymer of butene-2 and ethylene. 3,250,755, 5–10–66, Cl. 260—88.2.
Natta, Giulio, M. Farina, and G. Bressan, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Copolymers of unsaturated ethers and halogenated unsaturated ethers and method of preparing same. 3,251,813, 5–17–66, Cl. 260—80.3.
Natta, Giulio, G. Mazzanti, and P. Longi, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Polymerization of aldehydes with catalysts containing metal-to-nitrogen bonds. 3,252,937, 5–24–66, Cl. 260—67.
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Natta, Giulio, G. Mazzanti, and G. Boschi, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Terpolymers and processes for producing them. 3,256,235, 6–14–66, Cl. 260—41.
Natta, Giulio, U. Giannini, and A. Cassata, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Polymers having a sterically ordered structure of 1-cyano-1,3-butadiene and process for preparing them. 3,257,365, 6–21–66, Cl. 260—88.7.
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Natta, Giulio, M. Peraldo, and M. Farina, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Polymers having a highly regular structure, obtained from esters containing an inner double bond and process for preparing the same. 3,259,612, 7–5–66, Cl. 260—89.3.
Natta, Giulio, G. Mazzanti, and P. Longi, to Montecatini Societa Generale per l'Industria Montecatini e Chimica. Process for polymerizing unsaturated hydrocarbons with catalysts based on beryllium alkyls. 3,259,613, 7–5–66, Cl. 260—93.7.
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Natta, Giulio, P. Pino, and G. Mazzanti, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Prevailingly-to-substantially atactic crude polymers and methods for producing the same. 3,261,820, 7–19–66, Cl. 260—93.5.
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Natta, Giulio, R. Ercoli, and F. Calderazzo, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Compounds containing the vanadium hexacarbonyl group and process for preparing the same. 3,264,064, 8–2–66, Cl. 23—203.
Natta, Giulio, P. Pino, and G. P. Lorenzi, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Process for preparing optically active polymers. 3,271,379, 9–6–66, Cl. 260—93.7.
Natta, Giulio, M. Farina, and M. Donati, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Polymers having a stereoregular structure obtained from compounds containing conjugated double bonds and process for preparing same. 3,277,067, 10–4–66, Cl. 260—80.
Natta, Giulio, and G. Dall'asta, to Montecatini Societa Generale l'Industria Mineraria e Chimica. Process for polymerizing vinyl-tertiary-butylether in the presence of an alkyl boron defluoride as catalyst. 3,278,507, 10–11–66, Cl. 260—91.1.
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Neel, John V.: *See*—
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Neel, John V., to Friden, Inc. Data transmitter. 3,281,796, 10–25–66, Cl. 340—172.5.

Neeley, Arthur C., to United States of America, Atomic Energy Commission. Highly densified and machinable tungsten-iron-nickel alloy. 3,241,955, 3–22–66, Cl. 75—176.

Neely, Charles W., to Neely Mfg. Co., Inc. Garment cover. 3,275,128, 9–27–66, Cl. 206—7.

Neely, George L., to Chevron Research Co. Dual element, dual valve filter assembly. 3,269,541, 8–30–66, Cl. 210—132.

Neely, George L., to Chevron Research Co. Self-straightening suction wand. 3,272,535, 9–13–66, Cl. 285—114.

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Neely, Joseph E., J. R. Martinet, and J. Bowman, to Kaiser Aluminum & Chemical Corp. Refractory. 3,262,793, 7–26–66, Cl. 106—55.

Neely, Joseph E., and J. R. Martinet, to Kaiser Aluminum & Chemical Corp. Refractory. 3,278,320, 10–11–66, Cl. 106—58.

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Neff, George J., Jr., to Avco Corp. Lock-type selector switch. 3,259,701, 7–5–66, Cl. 200—11.

Neff, George J., Jr., to Avco Corp. Sub-miniature selector device with eccentrically displaced contact wiper apparatus. 3,261,929, 7–19–66, Cl. 200—11.

Neff, Gordon W., and H. S. Yourke, to International Business Machines Corp. Semiconductor triggers. 3,239,695, 3–8–66, Cl. 307—88.5.

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Neff, James G. Automatic firearm. 3,237,522, 3–1–66, Cl. 89—182.
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Neff, Paul J., Jr., to Amsted Industries Inc. Mold gate construction. 3,282,551, 11–1–66, Cl. 249—109.
Neff, Robert C., to Neff Folding Box Co. Display poster. 3,240,130, 3–15–66, Cl. 93—1.
Neff, Robert E., to Devices Inc. Clear barrel cartridge fuse. 3,275,772, 9–27–66, Cl. 200—129.
Neff, Ted. Pliers with sliding jaw actuation by claw lever means. 3,283,623, 11–8–66, Cl. 81—360.
Neff, Ted. Sliding jaw wrench with step-by-step actuation by claw lever means. 3,283,624, 11–8–66, Cl. 81—360.
Neff, Ted, and C. L. Wing. Multi-angle ratcheting wrenches. 3,270,597, 9–6–66, Cl. 81—177.9.
Neff-Werke Carl Neff G.m.b.H.: *See*—
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Neher, Maynard B., and N. D. Gallagher, to The Battelle Development Corp. Alkyl dicarboxylic acid treatment of leather. 3,291,557, 12–13–66, Cl. 8—94.22.
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Neilson, William J., E. P. Garrison, and L. L. Garner, to Smith Industries International, Inc. Flexible connection. 3,260,069, 7–12–66, Cl. 64—2.
Neilson, William J., E. P. Garrison, and G. D. Smith, to Smith Industries International, Inc. Well drilling apparatus. 3,260,318, 7–12–66, Cl. 175—75.
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Nelkin, Henry G., to H. G. Enterprises. Male supporting garment. 3,294,086, 12–27–66, Cl. 128—78.
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Nellessen, Alfred H., to Minnesota Mining and Mfg. Co. Compositions and pigments. 3,251,704, 5–17–66, Cl. 106—193.

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Nelson, George R., to Dennison Mfg. Co. Expansible polyurethane foam. 3,284,275, 11–8–66, Cl. 161—168.
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Nelson, John W. Hold-down clamp assemblage. 3,245,289, 4–12–66, Cl. 77—63.

Nelson, John W., to The Upjohn Co. Process for the preparation of prolactin. 3,265,580, 8–9–66, Cl. 167—74.

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Nelson, John W., H. J. Matson, and D. W. Young, to Sinclair Refining Co. Phosphorus phenol condensation compounds. 3,245,979, 4–12–66, Cl. 260—125.

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Nelson, Lloyd A., to Gerber Products Co. Foam mat drier. 3,276,142, 10–4–66, Cl. 34—189.

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Nelson, Marcus L., to King-Seeley Thermos Co. Faucet cooler in pre-mix machine. 3,230,735, 1–25–66, Cl. 62—309.

Nelson, Marcus L., to King-Seeley Thermos Co. Auger ice making apparatus. 3,283,529, 11–8–66, Cl. 62—320.

Nelson, Melvin E., to Dow Corning Corp. Olefin-substituted silicone potting compounds. 3,249,581, 5–3–66, Cl. 260—37.

Nelson, Melvin E., to Dow Corning Corp. Organosiloxane encapsulating resins. 3,284,406, 11–8–66, Cl. 260—46.5.

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Nelson, Noel R. Light metering means for cameras. 3,282,-178, 11–1–66, Cl. 95—10.

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Nelson, Walter K., to National Casket Co. Molded interiors for casket tops. 3,228,085, 1–11–66, Cl. 27—19.

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Nelson, Wharton, to Combustion Engineering, Inc. Furnace operation utilizing additives of a new and improved type for retarding high temperature corrosion and ash bonding. 3,234,898, 2–15–66, Cl. 110—1.

Nelson, Wharton, and E. S. Lisle, to Combustion Engineering, Inc. Additive mixtures to combat high temperature corrosion and ash bonding during the operation of furnaces. 3,249,075, 5–3–66, Cl. 110—1.

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Nemeth, Otto R. Apparatus for synchronizing television and motion pictures. 3,239,604, 3–8–66, Cl. 178—6.8.

Nemeth Otto R. Method and apparatus for splicing film. 3,282,759, 11–1–66, Cl. 156—165.

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Nennesson, Andre L., to Societe Industrille de Brevents et d'Etudes S.I.B.E. Carburetors for internal combustion engines. 3,286,998, 11–22–66, Cl. 261—27.

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Wilbert, Godfrey, and Wetstein. 3,284,460.

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Newman, Howard, E. L. Moon, and J. P. English, to American Cyanamid Co. Novel 1,2-dihydro s-triazines. 3,287,366, 11–22–66, Cl. 260—249.9.

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Newton, Robert A., and H. R. Espey, to Esso Production Research Co. Normalizing a seismogram data trace. 3,284,768, 11–8–66, Cl. 340—15.5.

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Nicolai, Van O. Adjustable feedback laser modulator. 3,277,393, 10–4–66, Cl. 331—94.5.

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Niebuhr, Kenneth E., and K. G. Eakin, deceased (by M. B. Eakin, executrix). R-F high power simulation. 3,286,208, 11–15–66, Cl. 333—83.

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Nixon, William G., to Universal Oil Products Co. Polymerization process using oxygenated sulfur-phosphoric acid catalyst. 3,244,767, 4–5–66, Cl. 260—683.15.

Nixon, William G., to Universal Oil Products Co. Hydrocarbon conversion process and catalyst therefor. 3,248,444, 4–26–66, Cl. 260—671.

Nixon, William G., to Universal Oil Products Co. Isomerization process using oxygenated sulfur-phosphoric acid catalyst. 3,248,452, 4–26–66, Cl. 260—683.65.

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Nixon, William G., to Universal Oil Products Co. Isomerization process and catalyst therefor. 3,285,982, 11–15–66, Cl. 260—666.

Nixon, William G., to Universal Oil Products Co. Alkylation catalyst and process therefor. 3,291,848, 12–13–66, Cl. 260—671.

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Nobile, Luciano, and T. La Noce, to Ledoga S.p.A. Process for the preparation of purified sucrose esters and products obtained thereby. 3,249,600, 5–3–66, Cl. 260—234.

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Nuclear Diodes, Inc.: *See*—
Walsh, Charles J., and Sandborg. 3,255,351.

Nuclear Materials and Equipment Corp.: *See*—
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Jones, Wallace. 3,272,332.
Jones, Wallace. 3,282,116.
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Nuclear Products Co.: *See*—
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Callahan, Francis J., Jr., and Gallagher. 3,240,342.
Callahan, Francis J., Jr., and Gallagher. 3,240,346.
Callahan, Francis J., Jr., and Gallagher. 3,278,156.
Callahan, Francis J., Jr., and Gallagher. 3,280,836.
Gallagher, Bernard J., and Tasker. 3,255,774.

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Nuclear Technical Services Corp.: *See*—
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Nuckles, Robert E., to Oscar Mayer & Co., Inc. Sausage stuffing apparatus. 3,253,297, 5–31–66, Cl. 17—35.

Nuclide Corp.: *See*—
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Goodwin, Francis L., Jr., Howarth, and Nowick. 3,226,802.
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Nudelman, Allen: *See*—
Weissman, Kenneth I., and Nudelman. 3,249,101.

Nudelman, Sol: *See*—
Lambe, John J., Mudar, and Nudelman. 3,290,549.

Nudenberg, Walter, and E. A. Delaney, to Texas-U.S. Chemical Co. Process for treating olefin monomers. 3,260,766, 7–12–66, Cl. 260—677.

Nudenberg, Walter, W. J. Heintzelman, and V. A. Rolleri, to Texas-U.S. Chemical Co. Preparation of organomagnesium compounds. 3,264,360, 8–2–66, Cl. 260—665.

Nuehoff, Alfred L., and C. M. Frisbee, to J. I. Case Co. Elongated rigid structural member. 3,293,822, 12–27–66, Cl. 52—725.

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Nugent, Warren J., to Universal Electronic Credit Systems, Inc. Information card. 3,245,697, 4–12–66, Cl. 283—7.

Nugent, Wm. W., & Co. Inc.: *See*—
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Nugent, William W., and A. W. Petri, to Wm. W. Nugent & Co. Inc. Forming apparatus. 3,263,882, 8–2–66, Cl. 225—2.

Nukem Nuklear-Chemie und- Metallurgie Gesellschaft m.b.H.: *See*—
Rachor, Lothar, and Lotz. 3,284,314.

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Null, Fay E. High voltage system for satellites, aerospace vehicles, and the like. 3,245,636, 4–12–66, Cl. 244—1.

Null, Fay E. Recoilless, jet driven hammer. 3,263,429, 8–2–66, Cl. 60—62.5.

Null, Fay E., and C. Kyselka, to United States of America, Air Force. Production and storage of free radical and molecular hydrogen. 3,242,683, 3–29–66, Cl. 62—40.

Null, Fay E., and C. Kyselka, to United States of America, Air Force. Production and storage of high concentration free radicals in matrix form, suitable for high energy propellant use. 3,278,351, 10–11–66, Cl. 149—15.

Null, Harold R., and L. E. Bowe, to Monsanto Co. Recovery and regeneration of oxo process catalysts. 3,234,146, 2–8–66, Cl. 252—413.

Null, Myron R.: *See*—
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Creamer, Robert W. 3,237,495.
Creamer, Robert W. 3,285,111.

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Nunheimer, Thomas D., and T. Phillips, to Merck & Co., Inc. Conversion of glucose to 2-ketogluconic acid. 3,255,093, 6–7–66, Cl. 195—47.

Nunley, Clifford E., to United States of America, Atomic Energy Commission. Shaft seal for liquid centrifuges. 3,292,937, 12–20–66, Cl. 277—59.

Nunn, Ewing D., Jr. Control unit and system for emergency vehicles. 3,262,096, 7–19–66, Cl. 340—75.

Nunn, Jerome C., to Philco Corp. Desiccation of electronic enclosures using boron nitride hot sealing method. 3,241,217, 3–22–66, Cl. 29—155.5.

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Nussbaum, Milton, to United States of America, Army. "Null" conical helix. 3,283,332, 11–1–66, Cl. 343—895.

Nusser, Viktor, W. Pfannkuch, and F. Lebek, to Hunke & Jochheim. Hanger device. 3,280,986, 10–25–66, Cl. 211—57.

Nutile, Gabriel E., and G. Matsuoka, to Asgrow Seed Co. Apparatus for germinating seeds. 3,233,366, 2–8–66, Cl. 47—16.

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Nutten, Warren D., and B. C. Phillips, to The Tillotson Mfg. Co. Fuel feed system for internal combustion engines. 3,256,869, 6–21–66, Cl. 123—73.

Nutter, Benjamin P., to Schlumberger Well Surveying Corp. Well tester. 3,291,219, 12–13–66, Cl. 166—145.

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Nutter, Irvin E., 30% to M. C. Nutter and 20% each to D. E. Nutter and N. N. Pantaleoni. Valve mechanism for fluid and liquid contact apparatus. 3,287,004, 11–22–66, Cl. 261—114.

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Nutting, Leighton A., and L. Borjas, to Abbott Laboratories. Fermentation method for producing gentisic acid. 3,267,-004, 8–16–66, Cl. 195—28.

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Nutting, Robert G., R. C. Wagner, and K. K. Christensen, to Barteit Engineering Co., Inc. Packaging machine. 3,230,-687, 1–25–66, Cl. 53—180.

Nuttle, Andrew C. Antenna support enclosing slug-tuned inductor which is adjustable through a socket in which antenna is mounted. 3,264,647, 8–2–66, Cl. 343—745.

Nutton, Leonard C.: *See*—
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Buttery, Kenneth T., and Nuyen. 3,281,054.
Buttery, Kenneth T., and Nuyen. 3,281,055.

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Nyberg, Ake L., to Svenska Rotor Maskiner Aktiebolag. Regenerative heat exchangers. 3,250,316, 5–10–66, Cl. 165—9.

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Nybolet, Henry. Gas and liquid contact heat exchanger. 3,240,262, 3–15–66, Cl. 165—60.

Nyborg, Meredith M., and S. Bell, 85% to said Nyborg and 15% to G. Whipple. Welding apparatus. 3,239,644, 3–8–66, Cl. 219—80.

Nyc, Wladimir. Cigarette snuffer. 3,277,898, 10–11–66, Cl. 131—237.

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Nychka, Henry R., and C. Woolf, to Allied Chemical Corp. Manufacture of trifluoroacetic acid. 3,288,850, 11–29–66, Cl. 260—539.

Nydam, James A., ½ to C. J. Brashler. Collar connector. 3,288,497, 11–29–66, Cl. 285—138.

Nydam, John H., to Draper Corp. Bobbin loading apparatus. 3,290,857, 12–13–66, Cl. 53—61.

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Nye, Dudley D., Jr., to Airpax Electronics Inc. Voltage regulation circuit. 3,229,185, 1–11–66, Cl. 321—18.

Nye, Dudley D., Jr., to Airpax Electronics Inc. Voltage compensation for noise in a frequency meter. 3,252,089, 5–17–66, Cl. 324—78.

Nygard, John C. Non-linear inductance. 3,239,682, 3–8–66, Cl. 307—106.

Nygard, Meri K. Disposable overshoe. 3,283,422, 11–8–66, Cl. 36—1.

Nylander, Alfred F., to International Minerals & Chemical Corp. Production of potassium sulfate and potassium chloride. 3,271,106, 9–6–66, Cl. 23—121.

Nylander, Arthur G.: *See*—
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Nylund, John A., to C. R. Tidland and A. T. Williams. Sanding apparatus. 3,269,065, 8–30–66, Cl. 51—139.

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Nyquist, Arthur S., to American Cyanamid Co. Stain-resistant aminoplast resin article. 3,228,792, 1–11–66, Cl. 117—138.8.

Nyquist, Arthur S., to American Cyanamid Co. Coated plastic articles. 3,274,026, 9–20–66, Cl. 117—138.8.

Nyquist, Richard A., to The Dow Chemical Co. P-chlorobenzyl 1-aziridine carbothioate. 3,231,564, 1–25–66, Cl. 260—239.

Nyquist, Richard A., to The Dow Chemical Co. Benzylester of di-(1-methylheptyl)-thiocarbamic acid. 3,267,124, 8–16–66, Cl. 260—455.

Nyrop, Per, to Dorr-Oliver Inc. Apparatus for centrifugal screening. 3,280,843, 12–6–66, Cl. 210—196.

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Depoorter, Henri, Libeer, van Mierlo, and Nys. 3,268,-334.
Noe, Robert J., Libeer, and Nys. 3,274,000.

Nys, Jean M., and H. Depoorter, to Gevaert Photo-Producten N.V. Methine dyes. 3,282,933, 11–1–66, Cl. 260—240.6.

Nysted, Leonard N., to G. D. Searle & Co. 3-oxygenated 17α-trifluorovinyl-17β-hydroxy steroids and intermediates. 3,235,572, 2–15–66, Cl. 260—397.4.

Nystrand, Ernst D., to Paper Converting Machine Co., Inc. Cut-off device. 3,247,746, 4–26–66, Cl. 83—342.

Nystrand, Ernst D., to Paper Converting Machine Co., Inc. Stacking and handling apparatus. 3,254,889, 6–7–66, Cl. 271—69.

Nystrand, Ernst D., to Paper Converting Machine Co., Inc. Shear cut perforator. 3,264,921, 8–9–66, Cl. 83—342.

Nystrand, Ernst D., and J. J. Bradley, to Paper Converting Machine Co., Inc. Orbital saw 3,292,470, 12–20–66, Cl. 83—174.

Nystrom, Axel C., and H. C. Siechta, to Western Electric Co., Inc. Method of producing communications cable. 3,247,036, 4–19–66, Cl. 156—50.

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Nystrom, Ernst H. B. Production of mineral fibers. 3,257,-182, 6–21–66, Cl. 65—6.

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Lupfer, David A. 3,264,709.

O.K. Tool Co., Inc.: *See*—
Armstrong, Harold F. 3,250,155.
Williams, Thurston V. 3,239,911.
Williams, Thurston V. 3,270,396.

O-M Ltd.: *See*—
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Kaino, Ichisaburo. 3,256,570.

Oak Electro/Netics Corp.: *See*—
Golbeck, Bernard J. 3,286,048.
Goldbeck, Bernard J., Boulter, Tice, and Lewandowski. 3,290,473.
Golbeck, Bernard J., Lewandowski, and Streuer. 3,261,-931.
Golbeck, Bernard J., and Williams. 3,268,674.
Karr, John W., and Ma. 3,292,440.
Lewandowski, Raymond F. 3,254,164.
Lewandowski, Raymond F., Golbeck, and Garn. 3,293,-382.
Meyer, Walter. 3,290,456.

Oak Mfg. Co.: *See*—
Karr, John W., and Ma. 3,292,440.
Ma, John Y. 3,254,539.
Ma, John Y., and Kornacker. 3,244,012.

Oakden, Richard R., to Richard Lees, Ltd. Apparatus for making prestressed concrete. 3,283,385, 11–8–66, Cl. 25—118.

Oakes, Alfred C., C. Hatfield, W. W. Oakes, deceased (by B. Oakes, executrix), to Pittsburgh Plate Glass Co. Glass cutting apparatus. 3,290,973, 12–13–66, Cl. 83—11.

Oakes, Bernadette: *See*—
Oakes, Alfred C., Hatfield, and Oakes. 3,290,973.

Oakes, Billy D., to The Dow Chemical Co. Propargylabietylamines as corrosion inhibitors in acid solutions. 3,242,094, 3–22–66, Cl. 252—148.

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Harryman, Paul D., and Oakes. 3,230,782.

Oakes, E. T., Corp.: *See*—
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Oakes, Edward W., to Clemtex, Ltd. Abrasive tester. 3,229,-498, 1–18–66, Cl. 73—7.

Oakes, George W. Electric plug adapter. 3,293,589, 12–20–66, Cl. 339—74.

Oakes, Grant A. Built-up strip mill guide. 3,289,292, 12–6–66, Cl. 29—481.

Oakes, Grant A. Built-up strip mill guide. 3,289,457, 12–6–66, Cl. 72—428.

Oakes, Vincent, to Pure Chemicals Ltd. Manufacture of organo-tin compounds. 3,285,944, 11–15–66, Cl. 260—429.7.

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Oakes, Alfred C., Hatfield, and Oakes. 3,290,973.

Oakite Products Inc.: *See*—
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Oakland Corp., The: *See*—
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Wallace, Richard B. 3,259,928.
Wallace, Richard B. 3,263,639.

Oakland Community College: *See*—
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Oakley, Camille. Quick-coffee maker. 3,266,411, 8–16–66, Cl. 99—304.

Oanes, Orville: *See*—
Schilling, Lorell J., and Oanes. 3,236,208.

Oates, Charles E.: *See*—
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Oates, William M.: *See*—
Stahl, Lawrence E., Oates, and Zeller. 3,266,718.

Oatess, Cecil J., and J. R. Taylor, Jr., to Anaconda Wire and Cable Co. Deep oil well electric cable. 3,259,687, 7–5–66, Cl. 174—103.

Oatley, Arthur F. Incandescent gas fires. 3,260,255, 7–12–66, Cl. 126—92.

Oatley, Arthur F. Grilling appliances. 3,267,925, 8–23–66, Cl. 126—41.

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Obadal, Richard D., and J. G. Johnson, to Deere & Co. Closure mounting. 3,270,462, 9–6–66, Cl. 49—257.

Obear, Edward F. Automatic gripping chuck. 3,232,629, 2–1–66, Cl. 279—106.

Obelssart, Albert, to Société Souriau & Cie. Connectors, in particular for electric circuits. 3,268,246, 8–23–66, Cl. 285—277.

Obenshain, David N., to West Virginia Pulp and Paper Co. Sheet inspecting and sorting mechanism. 3,247,962, 4–26–66, Cl. 209—74.

Obenshain, David N., to West Virginia Pulp and Paper Co. Single web sheet cutting mechanism. 3,272,044, 9–13–66, Cl. 83—79.

Obenshain, George R., to Owens-Illinois, Inc. Method of decorating glass bottles. 3,265,520, 8–9–66, Cl. 117—8.

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Oberbeck, Helmut, to Telefunken G.m.b.H. Method and apparatus to measure the transmission characteristics of four terminal networks. 3,227,949, 1–4–66, Cl. 324—57.

Oberdorfer, Paul E., Jr., to Sun Oil Co. Motor fuel containing hydrazones. 3,239,320, 3–8–66, Cl. 44—64.

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Reed, David D., Petersen, Oberender, and Kluge. 3,256,-190.

Oberender, Frederick G., D. D. Reed, J. M. Petersen, and H. D. Kluge, deceased (by H. E. Kluge, adminiatratrix), to Texaco Inc. Neopentyl polyol derivatives and lubricating compositions. 3,281,359, 10–25–66, Cl. 252—46.6.

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Oberg, Per O., to Handelsaktiebolaget Sanera. Garbage container structure, in particular for garbage chute. 3,273,-840, 9–20–66, Cl. 248—98.

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La Vine, Paul F. 3,274,019.

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Oberlander, Hermann, to Telefunken Patentverwertungs-G.m.b.H. Electric discharge tube equipped with anode cooled by the boiling cooling principle. 3,289,022, 11–29–66, Cl. 313—35.

Oberle, Theodore L., M. R. Calton, C. D. Loyd, and C. F. White, to Caterpillar Tractor Co. Method of bonding metal workpieces. 3,273,233, 9–20–66, Cl. 29—470.3.

Oberley, William J.: *See*—
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Obermaier, Frank E., to The Dole Valve Co. Thermostatic valve. 3,241,759, 3–22–66, Cl. 236—34.

Obermaier, Frank E., to The Dole Valve Co. Resiliently seated fluid control valve. 3,248,056, 4–26–66, Cl. 236—34.

Obermaier, Frank E., and D. E. Kelly, to The Dole Valve Co. Double port waterline thermostat. 3,279,698, 10–18–66, Cl. 236—34.

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Obermeyer, Ernest J., Jr., to Ford Motor Co. Fuel metering control for a constant metering force carburetor. 3,284,062, 11–8–66, Cl. 261—39.

Obermeyer, James H., to Hahn, Inc. Foot operator arrangement. 3,266,337, 8–16–66, Cl. 74—512.

Obermiller, Herbert C.: *See*—
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Grosswiller, Leo J., Jr., and Obermiller. 3,237,882.
Grosswiller, Leo J., Jr., and Obermiller. 3,237,933.

Oberright, Edward A., to Socony Mobil Oil Co., Inc. Lubricants containing metal compounds of N,N'-substituted dithiooxamides. 3,252,910, 5–24–66, Cl. 252—42.7.

Oberright, Edward A., and H. L. Hepplewhite, to Socony Mobil Oil Co., Inc. High temperature jet lubricant. 3,247,-111, 4–19–66, Cl. 252—34.7.

Oberst, Hermann: *See*—
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Albert, Walter, Bohn, Oberst, Paschke, and Pfister. 3,230,206.

Oberster, Arthur E., R. E. Beyler, and L. H. Sarett, to Merck & Co., Inc. Intermediates in the preparation of 6β-methylhalo ethisterone compounds. 3,246,021, 4–12–66, Cl. 260—397.4.

Oberster, Arthur E., and L. H. Sarett, to Merck & Co., Inc. 16-methyl derivatives of progeaterone. 3,288,818, 11–29–66, Cl. 260—397.45.

Obert, Luciano: *See*—
Bakker, Roel, and Obert. 3,271,729.

Oberth, Adolph E., D. G. Smith, and R. S. Bruenner, to Aerojet-General Corp. Polyurethane propellant formulations and process. 3,291,660, 12–13–66, Cl. 149—19.

Oberthur, Heinrich, to Alfred Teves KG. Load responsive vehicle-brake regulator. 3,233,947, 2–8–66, Cl. 303—22.

Oberthür, Heinrich, to Alfred Teves, Maschinen- und Armaturenfabrik KG. Brake-force control valve and system incorporating same. 3,290,882, 12–13–66, Cl. 60—54.5.

Obidniak, Louis, and S. Sheinberg, to Pall Corp. Hydrodynamic multiport valve. 3,256,909, 6–21–66, Cl. 137—625.31.

Obidowski, Edmond J., to Continental Can Co., Inc. Flanging can bodies having pre-stretched circumferential edges. 3,285,212, 11–15–66, Cl. 113—120.

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Pilnik, Walter, and Wieser. 3,229,758.

Oblack, Joe, and L. L. Dual purpose gunsight. 3,281,941, 11–1–66, Cl. 33—53.

Oblack, Leona L.: *See*—
Oblack, Joe, and L. L. 3,281,941.

Oblad, Sherman R., to Standard Oil Co. Gasolines. 3,241,-932, 3–22–66, Cl. 44—63.

Oblander, Chester C. Tab puller for pull-top cans. 3,235,122, 2–15–66, Cl. 220—47.

Obmann, Georg, to Carl Schenck Maschinenfabrik G.m.b.H. Device for unbalance correction of rotors. 3,260,137, 7–12–66, Cl. 77—5.

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Oehlert, Delton D. Opener for letters, packages, and the like. 3,290,780, 12–13–66, Cl. 30—294.

Oehme, Frank F., and J. B. Kahoun, to Consolidated Papers, Inc. Method and apparatus for testing printing paper for blistering. 3,292,418, 12–20–66, Cl. 73—15.

Oehring, Otto. Apparatus for heat treating meat products and carcasses. 3,279,451, 10–18–66, Cl. 126—21.

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Oehrli, John W., to Textron, Inc. Chain saw with saw chain sharpener. 3,260,287, 7–12–66, Cl. 143—32.

Oelderik, Jan M., to Shell Oil Co. Process for recovering SbF_5 from spent $HSbF_6$ catalyst. 3,278,259, 10–11–66, Cl 23—88.

Oelschlager, Herbert, to Chemische Fabrik Promonta Gesellschaft mit beschrankter Haftung. Process for the production of 3-alkyl-6-halogenoanilines. 3,230,258, 1–18–66, Cl. 260—578.

Oelze, Heinz, and F. Hartleib, to Kalle Aktiengesellschaft. Method of and apparatus for wrapping goods in a film wrapper. 3,283,470, 11–8–66, Cl. 53—33.

Oemler, Alan N., and L. S. Scott, to E. I. du Pont de Nemours and Co. Silver hydroxyfluoborate. 3,262,984, 7–26–66, Cl. 260—677.

Oepen, Karl, and E. P. G. Harsanyi. Apparatus for forcing the growth of plans for human and animal nourishment whereby seeds, bulbs and plants are caused to grow by feeding with chemical solutions. 3,276,163, 10–4–66, Cl. 47—1.2.

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Oerlikon Engineering Co.: *See*—
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Oerman, Orey W., and W. V. Lohrman, to Deere & Co. Hitch device. 3,239,014, 3–8–66, Cl. 172—657.

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Oertel, Günter, H. Malz, and H. Holtschmidt, to Farbenfabriken Bayer Aktiengesellschaft. Organic phosphorus esters and anhydrides. 3,248,458, 4–26–66, Cl. 260—461.

Oertel, Gunter, H. Holtschmidt, and R. Merten, to Farbenfabriken Bayer Aktiengesellschaft. Phosphorous acid esters. 3,254,142, 5–31–66, Cl. 260—928.

Oertel, Gunter, and H. Holtschmidt, to Farbenfabriken Bayer Aktiengesellschaft. Process for the dimerization of aromatic isocyanates. 3,290,288, 12–6–66, Cl. 260—239.

Oertel, Günther, H. Holtschmidt, G. Nischk, and G. Braun, to Farbenfabriken Bayer Aktiengesellschaft. Polyurethanes prepared from isocyanato phosphorus compounds. 3,240,-726, 3–15–66, Cl. 260—2.5.

Oertel, Gunther, O. Bayer, and G. Braun, to Farbenfabriken Bayer Aktiengesellschaft. Phosphorus polyurethane plastics prepared from hydroxyl phosphorus compounds. 3,274,130, 9–20–66, Cl. 260—2.5.

Oertel, Harold, and H. Rinke, to Farbenfabriken Bayer Aktiengesellschaft. Nonporous elastomeric polyurethanes from ethylene imides. 3,232,908, 2–1–66, Cl. 260—75.

Oeschger, Joseph E., to Jennings Radio Mfg. Corp. Vacuum variable capacitor. 3,270,259, 8–30–66, Cl. 317—243.

Oess, Frederick G., to Hughes Aircraft Co. Electron gun structure. 3,247,410, 4–19–66, Cl. 313—78.

Oess, Frederick G., to Hughes Aircraft Co. Cathode ray tube mesh assembly supported between envelope sections. 3,284,-655, 11–8–66, Cl. 313—286.

Oestereicher, Louis, to General American Transportation Corp. Driving bits for non-removable screw fasteners. 3,253,625, 5–31–66, Cl. 145—50.

Oesterheld, Karl A., to Eurasbest A.G. Method of and apparatus for corrugating sheets of fibrous cement. 3,231,647, 1–25–66, Cl. 264—90.

Oesterheld, Karl A. Apparatus for dressing crude asbestos. 3,286,940, 11–22–66, Cl. 241—259.

Oesterle, Kurt M. Apparatus for the electrostatic precipitation of coating material. 3,275,239, 9–27–66, Cl. 239—15.

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Oeters, Harold R., and R. A. Heassler, to International Business Machines Corp. Selective modification of sequentially scanned control words including delay-correction apparatus. 3,281,793, 10–25–66, Cl. 340—172.5.

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Oetjens, Robert W., to Clayton Marks & Co. Ball valve seat having ribbed sealing face. 3,245,655, 4–12–66, Cl. 251—315.

O'Farrell, Frank J. Closure for flexible receptacles. 3,272,-248, 9–13–66, Cl. 150—10.

O'Farrell, Herbert W., to TRW Inc. Solar cell module assembly jig. 3,262,694, 7–26–66, Cl. 269—153.

Off, Joseph W. A., to The Singer Co. Work fabric transporting devices. 3,268,222, 8–23–66, Cl. 271—74.

Offenburger, Joseph L., to Hoerner Boxes Inc. End-loaded carrying container. 3,286,910, 11–22–66, Cl. 229—51.

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Offenhauer, Glenn A., to Florida Plastics, Inc. Changeable letter arrangement, letter supporting kit and letter supporting clip and track. 3,262,225, 7–26–66, Cl. 40—140.

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Webb, James E., and Offik. 3,262,518.

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Dedinas, Jonas, Henke, and Offutt. 3,284,514.
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Oftedahl, Marvin L., to Monsanto Co. Soil fungicide. 3,249,-496, 5–3–66, Cl. 167—30.

Oftedahl, Marvin L., to Monsanto Co. 2-alkylsulfonylbenzofurans. 3,256,301, 6–14–66, Cl. 260—346.2.

Oga, Taijiro, M. Kitabatake, M Ogawa, and M. Kusunoki, to Showa Denko Kabushiki Kaisha. Process for producing 1,3-dichloroolefins. 3,285,978, 11–15–66, Cl. 260—454.

Ogata, Kazuo, and S. and F. Uno, to Teijin Ltd. Process for producing purified terephthalic acid. 3,243,457, 3–29–66, Cl. 260—525.

Ogata, Kurando. Inductance device for radio communication. 3,278,870, 10–11–66, Cl. 334—41.

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Matsushima, Mitsuo, and Ogawa. 3,295,056.

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Ogawa, Shinichiro, and K. Shiragaki, to Honeywell Inc. Electric current drive type servoamplifier. 3,246,222, 4–12–66, Cl. 318—29.

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Bradley, Elihu F., Bartlett, Ogden, and Jaffee. 3,293,069.

Ogden, Joseph, and E. G. Balcenik, to Engelhard Industries, Inc. Method of making spinnerettes. 3,279,284, 10–18–66, Cl. 76—107.

Ogden, Ralph P. Method and apparatus for making caramel corn. 3,294,039, 12–27–66, Cl. 107—54.

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Ogilvie, Kenneth M., to Bertea Products. Fluid control apparatus. 3,246,572, 4–19–66, Cl. 91—48.

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Ogimoto, Yoji, to Sei-ichi Yamaguchi. Collapsible floating body. 3,228,042, 1–11–66, Cl. 9—2.

Ogino, Kazuo, K. Zoda, and K. Shimoda, to American Cyanamid Co. Apparatus for treating material under superatmospheric pressure. 3,286,493, 11–22–66, Cl. 68—5.

Ogle, Floyd V. Apparatus for producing smoked food products. 3,232,210, 2–1–66, Cl. 99—259.

Ogle, Frank T., to Phillips Petroleum Co. Polymerization control apparatus. 3,254,965, 6–7–66, Cl. 23—285.

Ogle, Frank T., and D. E. Berger, to Phillips Petroleum Co. Method of controlling a thermal conversion process. 3,271,-472, 9–6–66, Cl. 260—683.

Ogle, Hugh M., to General Electric Co. Film boiling indicator. 3,234,100, 2–8–66, Cl. 176—19.

Ogle, Hugh M., to General Electric Co. Photoelectric correlation system and a time displacement discriminator therefor. 3,290,508, 12–6–66, Cl. 250—217.

Ogle, James A., and D. J. Turchi, to Burroughs Corp. Optical field scanning apparatus for landing aircraft. 3,233,216, 2–1–66, Cl. 340—26.

Ogle, James A., and J. E. Jones, to Burroughs Corp. Light gun with coaxially positioned elements. 3,247,391, 4–19–66, Cl. 250—216.

Ogle, James A., Jr., and B. G. Olving, to McGraw-Edison Co. Broiler-rotisserie. 3,248,518, 4–26–66, Cl. 219—447.

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Ogles, Ethridge F., to Moe Pump Co. Centrifugal pump with adjustable impeller. 3,280,748, 10–25–66, Cl. 103—5.

Oglesby, Minor W., and D. E. Lupfer, to Phillips Petroleum Co. Computing and controlling the enthalpy of a process stream. 3,269,921, 8–30–66, Cl. 203—2.

Ogletree, Marvin A., ½ to W. E. Hoopes. Expansible newspaper bag. 3,256,919, 6–21–66, Cl. 150—1.

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O'Grady, Thomas M., and A. N. Wennerberg, to Standard Oil Co. Method of preparing a catalyst composition consisting of sodium, sodium carbonate, and iron oxide on alumina and the product thereof. 3,260,679, 7–12–66, Cl. 252—443.

Ogren, Arthur. Lathe transfer mechanism. 3,252,201, 5–24–66, Cl. 29—38.

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Ogren, Ronald N., to General Motors Corp. Dual action windshield wiper control. 3,227,817, 1–4–66, Cl. 200—4.

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O'Hara, Mark J., to Universal Oil Products Co. Process for hydrorefining petroleum crude oil. 3,294,659, 12–27–66, Cl. 208—251.

O'Hara, Mark J., and J. G. Gatsis, to Universal Oil Products Co. Auto-regeneration of hydrofining catalysts. 3,288,-704, 11–29–66, Cl. 208—106.

Ohara, Masao, K. Yamamoto, and Y. Deguchi, to Fujisawa Pharmaceutical Co., Ltd. Production of 6,8-dithiooctanoyl amides. 3,238,224, 3–1–66, Cl. 260—327.

O'Hara, Ronald R., to Fairbanks Morse Inc. Automatic rebalancing measuring system having auxiliary actuated indicator zero return means. 3,239,759, 3–8–66, Cl. 324—99.

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Ohlendorf, Wolfgang, and E. Schultes, to Mannesmann-Meer Aktiengesellschaft. Hold-shut device for injection molding. 3,263,277, 8–2–66, Cl. 18—30.

Ohlgren, Harold A., and J. G. Lewis, to Nuclear Technical Services Corp. Inspection unit. 3,290,119, 12–6–66, Cl. 23—254.

Ohlin, Lars E., to Ab Lars Ljungberg & Co. Apparatus for determining the losses of blood in surgical operations and deliveries. 3,240,110, 3–15–66, Cl. 88—14.

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Ohlinger, Helmut, W. Guenther, W. Single, K. Buchholz, and H. Wild, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Continuous production of finely particled expandable styrene polymers. 3,287,286, 11–22–66, Cl. 260—2.5.

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Ohloff, Günther, E. Klein, and G. Schade, to Studiengesellschaft Kohle m.b.H. Cyclic 5- and 6-membered ethers. 3,252,998, 5–24–66, Cl. 260—345.1.

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Ohlund, John A. I., and K. R. Andersson, to Saab Aktiebolag. Generator of simulated smoke signals for gunnery target practice. 3,272,510, 9–13–66, Cl. 273—102.2.

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Ohman, Thage O., to Hydrauliska Industri Aktiebolaget. Lifting arm in loading apparatus. 3,236,097, 2–15–66, Cl. 212—55.

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Ohmart, Philip E., to The Ohmart Corp. Method and apparatus for continuously weighing material on a conveyor comprising a radioactive source and detector. 3,278,747, 10–11–66, Cl. 250—83.3.

Ohme, Joachim H., and A. H. Werner, to Western Electric Co., Inc. Transfer and positioning apparatus. 3,266,140, 8–16–66, Cl. 29—563.

Ohme, Roland, and E. Schmitz, to Deutsche Akademie Der Wissenschaften Zu Berlin. Process for the fixation of dyes on cellulose and fixing agent therefor. 3,279,879, 10–18–66, Cl. 8—17.

Ohmega Laboratories: *See*—
Demarest, Philip C., Foster, and Crump. 3,275,879.
Foster, Harry R., and Crump. 3,258,712.

Ohmura, Einosuke, T. Hemmi, I. Suhara, and F. Kusaba, to Takeda Chemical Industries, Ltd. Process for producing 5-amino-4-imidazole-N-succinocarboxamide riboside. 3,280,007, 10–18–66, Cl. 195—28.

Ohmura, Jukichi: *See*—
Wakasa, Ryoichi, Shibata, Ohmura, and Suzuki. 3,271,346.

Ohnacker, Gerhard, to Boehringer Ingelheim G.m.b.H. 4-amino-5,6,7,8-tetrahydro-pyrido-[4,3-D]-pyrimidine substitution products. 3,248,395, 4–26–66, Cl. 260—246.

Ohnacker, Gerhard, and E. Woitun, to Boehringer Ingelheim G.m.b.H. Basic tri-substituted pyrimido-[4,5-d]-pyrimidines. 3,242,173, 3–22–66, Cl. 260—246.

Ohnacker, Gerhard, and E. Woitun, to Boehringer Ingelheim G.m.b.H. Dihydrothieno-[3,4-d]-pyrimidines. 3,272,811, 9–13–66, Cl. 260—247.1.

Ohnemus, Hans. Lighting installation for carriageways. 3,231,733, 1–25–66, Cl. 240—25.

Ohno, Isamu, to Kabushikikaisha Yokogawa Denki Seisakusho and Yokogawa Electric Works Ltd. Direct current generator. 3,262,039, 7–19–66, Cl. 318—327.

Ohno, John M., to Allis-Chalmers Mfg. Co. Method of applying a low resistance contact to a bus. 3,251,128, 5–17–66, Cl. 29—488.

Ohno, Ko: *See*—
Mizoguchi, Naomasa, Hara, Ito, Akashi, Ohno, and Kato. 3,266,871.

Ohno, Seiji. Burner construction combined with fuel injection valve of the liquefied gas lighter. 3,234,762, 2–15–66, Cl. 67—7.1.

Ohno, Toru, to Hitachi, Ltd. Means for splitting crosspoints of a crossbar switch. 3,290,447, 12–6–66, Cl. 179—25.

Ohnstad, Burl B., to American Pipe and Construction Co. Anchorage for prestress wire in concrete pipe. 3,258,033, 6–28–66, Cl. 138—176.

Ohntrup, Frederick F., to Burroughs Corp. Method of fabricating semi-conductor devices. 3,270,399, 9–6–66, Cl. 29—155.5.

O'Hollaren, Paul F., to Enzomedic Laboratories, Inc. Treatment of alcoholism. 3,266,989, 8–16–66, Cl. 167—55.

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Sennewald, Kurt, Legutke, and Ohorodnik. 3,281,451.
Sennewald, Kurt, Vogt, and Ohorodnik. 3,343,385.

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Ohrberg, John F. Adjustable, ambulating, tilting and reclining bed. 3,293,667, 12–27–66, Cl. 5—62.

Ohringer, Philip, to American Gage & Machine Co. Surface roughness tracer head. 3,254,530, 6–7–66, Cl. 73—105.

Ohrnberger, Robert, to Vereinigte Werkzeugmaschinenfabriken A.G. Lubricating system for machine tools and the like. 3,231,046, 1–25–66, Cl. 184—6.

Ohrnell, Olof. Apparatuses for taking off suspension loops from screw conveyors. 3,231,072, 1–25–66, Cl. 198—213.

Ohse, Hans H.: *See*—
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Ohsol, Ernest O.: *See*—
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Lux, John H., and Ohsol. 3,281,259.
Lux, John H., and Ohsol. 3,290,198.

Ohsol, Ernest O., to Haveg Industries, Inc. Lubrication. 3,255,621, 6–14–66, Cl. 72—42.

Ohsol, Ernest O., to Haveg Industries, Inc. Planting seeds in a skin foam sheet. 3,257,754, 6–28–66, Cl. 47—56.

Ohsol, Ernest O., to Haveg Industries, Inc. Method of extruding foamed fibers having outer skins integral therewith. 3,275,720, 9–27–66, Cl. 264—48.

Ohta, Genkichi, T. Takegoshi, T. Onodera, Y. Oshima, M. Shimizu, and K. Ueno, to Daiichi Seiyaku Kabushiki Kaisha. Steroid [2,3-C] furazan compounds and the process for the production thereof. 3,245,988, 4–12–66, Cl. 260—239.55.

Ohta, Genkichi, O. Magase, and M. Shimizu, to Daiichi Seiyaku Kabushiki Kaisha. Hair and skin compositions containing pantethine. 3,285,818, 11–15–66, Cl. 167—87.

Ohta, Shigeyasu: *See*—
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Ohtake, Masayasu. Combined transformer and choke unit. 3,231,841, 1–25–66, Cl. 336—165.

Ohtake, Tadashi, T. Muta, T. Zaizen, and T. Nishi, to Yawata Iron & Steel Co., Ltd. Atmospheric corrosion resistant notch ductile high tensile strength steel. 3,271,138, 9–6–66, Cl. 75—125.

Ohtake, Tadashi, K. Aoki, and I. Kimura, to Yawata Iron & Steel Co., Ltd. Method of producing anticorrosion high tensile strength rail. 3,290,183, 12–6–66, Cl. 148—12.

Ohtaki, Shinshiro, to Nisshin Kako Kabushiki Kaisha. Method for producing powdered oyster and shrimp soup materials. 3,256,098, 6–14–66, Cl. 99—124.

Ohtomo, Richard H., to Varian Associates. Electron discharge device with helix-to-waveguide coupling means. 3,280,362, 10–18–66, Cl. 315—3.6.

Ohtsuka, Yozo: *See*—
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Oi, Tokushi, and T. Shiaku. Gas flow detector. 3,294,933, 12–27–66, Cl. 200—81.9.

Oijerholm, Carl O. A., deceased (by C. A. Grufman, administrator), to A.-B. Banan-Kompaniet. Cold storage room. 3,256,931, 6–21–66, Cl. 165—46.

Oikawa, Hideo, to Yokohama Seito Kabushiki Kaisha and Takara Kabushiki Kaisha. Solidification of saccharide solutions. 3,271,194, 9–6–66, Cl. 127—60.

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Oil Shale Corp., The: *See*—
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Oishei, John R., to Trico Products Corp. Windshield wiper linkage. 3,241,892, 3–22–66, Cl. 308—26.

Oishei, John R., to Trico Products Corp. Transmission linkage assembly. 3,292,958, 12–20–66, Cl. 287—87.

Oitto, Richard H., Jr., to United States of America, Interior. Device for securing a plug in an infusion hole. 3,287,920, 11–29–66, Cl. 61—63.

Oja, Carl W.: *See*—
Oja, Carl W., and Scheuerman. 3,289,223.

Oja, Carl W., and R. L. Scheuerman; said Scheuerman assor. to said Oja. Lifting and control means. 3,283,732, 11–8–66, Cl. 108—147.

Oja, Carl W., and R. L. Scheuerman, said Scheuerman assor. to said Oja. Braking means for mobile devices. 3,288,250, 11–29–66, Cl. 188—5.

Oja, Carl W., and R. L. Scheuerman, to C. W. Oja. Safety attachment for beds. 3,289,223, 12–6–66, Cl. 5—331.

Oja, Wayne J., to Wood Conversion Co. Differential fiber dispersing rolls and felting therefrom. 3,252,186, 5–24–66, Cl. 19—156.3.

Ojelid, Goran A. R., to Husqvarna Vapenfabriks Aktiebolag. Plural phase converter voltage multiplication. 3,259,830, 7–5–66, Cl. 321—15.

Okada, Akira, to Agency of Industrial Science and Technology. Copolyamides from caprolactam, piperazine and a dicarboxylic acid. 3,259,606, 7–5–66, Cl. 260—78.

Okada, Katsuto, to Morinaga Nyugyo Kabushiki Kaisha. Freezer for ice cream bars and the like. 3,261,178, 7–19–66, Cl. 62—345.

Okada, Robert H., to Burroughs Corp. Complementing flip-flop. 3,271,583, 9–6–66, Cl. 307—88.5.

Okada, Robert H., and H. P. Schwan. Hematocrit meter. 3,250,987, 5–10–66, Cl. 324—30.

Okada, Sadayuki: *See*—
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Okagaki, Hiroshi, and Y. Ikuta, to Kabushiki Kaisha Hitachi Seisakusho. Hollow-cathode discharge tube for generating atomic resonance lines. 3,233,136, 2–1–66, Cl. 313—110.

Okajima, Hirokazu, to Nippon Kogaku K.K. Ophthalmoscopic camera. 3,259,039, 7–5–66, Cl. 95—1.1.

Okajima, Hirokazu, to Nippon Kogaku K.K. Optical system for ophthalmoscopic camera free from influx of detrimental light rays. 3,259,041, 7–5–66, Cl. 95—11.

Okajima, Masaki, to Kabushiki Kaisha Ricoh. Single-lens reflex cameras with lens shutters. 3,254,584, 6–7–66, Cl. 95—42.

Okajima, Sadotoshi, and T. Niwa, to Toyoda Automatic Loom Works, Ltd. Apparatus for gripping and drawing off the yarn of the cop tip bunch for use in a cop-change automatic loom. 3,240,236, 3–15–66, Cl. 139—257.

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Okamoto, Takashi, M. Takahashi, and K. Kawahara, to Fujitsu Ltd. Miniature magnetic cores having perpendicular annular recesses. 3,287,678, 11–22–66, Cl. 336—83.

Okamoto, Tatsumi, to Yawata Iron & Steel Co., Ltd. and Dai-Ichi Koshuha Kogyo Kabushisi Kaisha. Method and apparatus for heat-treating rail heads. 3,276,924, 10–4–66, Cl. 148—146.

Okamura, Seizo, and K. Hayashi, to Japanese Association for Radiation Research on Polymers. Method for the manufacture of polymeric trioxane. 3,242,063, 3–22–66, Cl. 204—154.

Okamura, Shiro. Recording and reproducing system having redundant recording and selective reproduction. 3,290,438, 12–6–66, Cl. 178—6.6.

Okamura, Tsuneo, to Asahi Glass Co., Ltd. Method for the treatment of raw glass material containing easily volatilizable ingredients. 3,291,585, 12–13–66, Cl. 65—18.

O'Kane, Gerard J., V. R. Robb, D. E. Gunlock, and G. C. Kinde, to General Motors Corp. Method of manufacturing a spring seat component. 3,266,122, 8–16–66, Cl. 29—91.1.

O'Kane, James H., to United States of America, National Aeronautics and Space Administration. Pressure suit tie-down mechanism. 3,286,274, 11–22–66, Cl. 2—2.1.

Okanishi, Masanori: *See*—
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Okaniwa, Keiji, to Yokoyama Kogyo Kabushiki Kaisha. Steam boiler. 3,236,211, 2–22–66, Cl. 122—33.

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Okano, Sadao: *See*—
Nakatogawa, Takeshi, Ogawa, Hara, and Okano. 3,270,255.

Okaya, Akira. Communication with light constrast modulation. 3,234,390, 2–8–66, Cl. 250—199.

Okaya, Akira. Dielectric microwave resonator. 3,237,132, 2–22–66, Cl. 333—73.

Okaya, Akira, to International Business Machines Corp. Resonator for radiation generated by stimulated emission. 3,274,512, 9–20–66, Cl. 331—94.5.

Okazaki, Bunzi, to Nippon Electric Co. Ltd. Data processing system. 3,235,846, 2–15–66, Cl. 340—172.5.

Okazaki, Hisayoshi: *See*—
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Okazaki, Masatoshi, and M. Inaba, to Nippon Electric Co. Ltd. Television system conversion device. 3,267,207, 8–16–66, Cl. 178—5.2.

Okazaki, Yutaka. Garbage container. 3,253,812, 5–31–66, Cl. 248—97.

Okcuoglu, Selahattin A., to International Business Machines Corp. Clutch with cushion engagement. 3,236,348, 2–22–66, Cl. 192—71.

O'Keefe, Michael F.: *See*—
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O'Keefe, Michael F., F. B. Stark, and J. A. Zimmerman, Jr., to AMP Inc. Shielded braid pin and socket connector. 3,235,834, 2–15–66, Cl. 339—177.

O'Keefe, Michael F., R. S. Stull, and C. Metzger, to AMP Inc. Coaxial cable connector. 3,281,756, 10–25–66, Cl. 339—89.

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Okerstrom, Gilbert W., to Phillips Mfg. Co., Inc. Immersion type heater. 3,251,017, 5–10–66, Cl. 338—229.

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Okie, Michael J., and M. V. Ladder bracket. 3,266,593, 8–16–66, Cl. 182—27.

Okinaka, Yutaka, and D. R. Turner, to Bell Telephone Laboratories, Inc. Manufacture of nickel electrodes. 3,274,028, 9–20–66, Cl. 136—29.

Okishima, Yoshiro, to Minolta Camera Kabushiki Kaisha. Wet electronic copying apparatus. 3,245,330, 41–2–66, Cl. 95—1.7.

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Okrent, Eugene H., to Esso Research and Engineering Co. Method of coating substrates with inorganic polyphosphates. 3,278,328, 10–11–66, Cl. 117—47.

Oku, Takeshi, and T. Shibano, to Matsushita Electric Industrial Co., Ltd. Arc welding equipment. 3,281,572, 10–25–66, Cl. 219—131.

Okubo, Ichiro, and M. Tsujimoto, to Mitsui Kagaku Kogyo Kabushiki Kaisha. 2-styrylbenzoxazole compounds. 3,262,929, 7–26–66, Cl. 260—240.

Okubo, Kentaro. Continuous-flow traffic interchange. 3,238,854, 3–8–66, Cl. 94—1.

Okuda, Jiro: *See*—
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Shiro, Teruo, Konishi, Yamanoi, Okumura, and Takahashi. 3,238,110.
Uemura, Teijiro, Okumura, Fujii, and Komagata. 3,231,478.

Okumura, Shinji, T. Yamanoi, K. Komagata, T. Shiro, N. Muramatsu, R. Aoki, T. Tsunoda, M. Takahashi, and S. Motozaki. Process for producing guanosine-5′-monophosphate by fermentation. 3,249,511, 5–3–66, Cl. 195—28.

Okumura, Shinji, T. Shiro, A. Yamanoi, Y. Tamagawa, and M. Takahashi, to Ajinomoto Co., Inc. Method of producing xanthosine. 3,258,408, 6–28–66, Cl. 195—28.

Okumura, Shinji, M. Shibuya, S. Konishi, T. Shiro, and N. Katsuya, to Ajinomoto Co., Inc. Method of producing citrulline by bacterial fermentation. 3,282,794, 11–1–66, Cl. 195—29.

Okun, Daniel A., C. N. Reilley, and K. H. Mancy, to The University of North Carolina. Oxygen detector. 3,227,643, 1–4–66, Cl. 204—195.

Okun, Nathaniel N., to The Cello Chemical Co. Baseboard scrubbing machine. 3,270,361, 9–6–66, Cl. 15—98.

Okuno, Yositosi: *See*—
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Kato, Takeaki, Ueda, Horie, Mizutani, Fujimoto, and Okuno. 3,268,400.
Kuramoto, Saichiro, Kato, Ueda, Okuno, and Fujimoto. 3,268,396.
Kuramoto, Saichiro, Kato, Ueda, Okuno, and Fujimoto. 3,268,551.
Ueda, Kenzo, Horie, Mizutani, Nodera, Fujinoto, and Okuno. 3,266,984.

Olaculith Patentverwertnngs A.G.: *See*—
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Olafson, Walter. Soil levelling and diking machine. 3,266,-181, 8–16–66, Cl. 37—169.

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Olah, Emery, to Portable Electric Tools, Inc. Variable speed drill. 3,253,476, 5–31–66, Cl. 74—388.

Olah, George A., to The Dow Chemical Co. Method for preparing aromatic fluorides. 3,270,069, 8–30–66, Cl. 260—650.

Olah, George A., to The Dow Chemical Co. Process for preparing ketones. 3,280,147, 10–18–66, Cl. 260—332.3.

Olaj, Oskar, and A. Maeder, to Ciba Ltd. Vat dye leveling with copolymers 2-oxo-N-vinyl heterocyclic compound and acrylamides. 3 241,905, 3–22–66, Cl. 8—34.

Olander, Kemuel B., to J. R. Clark. Self-surface conforming and self-locking foot for ironing table leg. 3,278,147, 10–11–66, Cl. 248—188.3.

Olander, Ward. Nestable shopping cart. 3,276,786, 10–4–66, Cl. 280—33.99.

Olandt, John W., to Specialties Development Corp. Control head. 3,246,529, 4–19–66, Cl. 74—56.

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Olbrich, Gunther, to Sud-Atlas-Werke G.m.b.H. Friction wheel drive arrangements. 3,257,859, 6–28–66, Cl. 74—208.

Olby, John K., to Associated Lead Manufacturers Ltd. Method of preparing zirconium silicate ceramic stains. 3,257,221, 6–21–66, Cl. 106—299.

Olcott, Joseph S., to Corning Glass Works. Glass-ceramic body and method of making it. 3,279,931, 10–18–66, Cl. 106—39.

Olcott, Joseph S., and S. D. Stookey, to Corning Glass Works. Glass body having a semicrystalline surface layer and method of making it. 3,253,975, 5–31–66, Cl. 161—1.

Old Bruce S., R. W. Hyde, and F. C. Schora, Jr., to Arthur D. Little, Inc. System for beneficiation of ores. 3,228,669, 1–11–66, Cl. 266—9.

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Oldberg, Sidney, and R. E. Stuemky, to Eaton Yale & Towne Inc. Universal joint. 3,267,697, 8–23–66, Cl. 64—15.

Oldekop, Werner, and E. Eberth, to Siemens-Schuckertwerke Aktiengesellschaft. Therminoic energy converter. 3,287,-578, 11–22–66, Cl. 310—4.

Oldenburg, Dorrance, to Caterpillar Tractor Co. Loader bucket with a vibrating blade. 3,238,646, 3–8–66, Cl. 37—141.

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Oldenburger, Rufus, to Curtiss-Wright Corp. Hydraulic governor mechanism having plural error detecting means. 3,238,956, 3–8–66, Cl. 137—34.

Oldenburger, Samuel C., to Scovill Mfg. Co. Rechargeable flashlight unit. 3,250,909, 5–10–66, Cl. 240—10.6.

Oldenburger, Samuel C., to Scovill Mfg. Co. Pocket flashlight. 3,250,911, 5–10–66, Cl. 240—10.65.

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Oldershaw, Charles G. P., R. V. King, and W. E. La Ferney, to General Foods Corp. Okra aligning apparatus. 3,255,864, 6–14–66, Cl. 198—33.

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Oldfield, Thomas A., and K. G. Wallace, to Plessey-UK Ltd. Turbine driven gear train for engine starting and engine accessory drive. 3,290,963, 12–13–66, Cl. 74—810.

Oldham, Robert A., to General Cable Corp. Fuse block for either single-poles or double-pole power supply. 3,268,-692, 8–23–66, Cl. 200—133.

Oldham, Wilbur N., to American Cyanamid Co. Process of manufacturing thermo-setting aminoplast molding composition. 3,230,187, 1–18–66, Cl. 260—6.

Olds, Lee A. Molding apparatus. 3,292,227, 12–20–66, Cl. 25—2.

Olds, Leonard E.. to Independence Foundation, and Koppers Co., Inc. Freeze-refining apparatus. 3,254,500, 6–7–66, Cl. 62—124.

Olds, Leonard E., to Independence Foundation, and Koppers Co., Inc. Freeze-refining method. 3,254,989, 6–7–66, Cl. 75—68.

Olds, Milroy L., to Industrial Welding Equipment Co. Electric welder controls. 3,268,709, 8–23–66, Cl. 219—130.

Oldweiler, Morey E., M. A. Moore, and W. A. Brookshire, to Esso Research and Engineering Co. Apparatus for drying solid polymer. 3,233,336, 2–8–66, Cl. 34—57.

O'Leary, Carl: *See*—
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O'Leary, John M., Jr., to Container Corp. of America. Compatible polyolefin and polyurethane composition. 3,273,-890, 9–13–66, Cl. 260—859.

O'Leary, John M., Jr., to Container Corp. of America. Process for incorporating additives into polyolefins. 3,275,715, 9–27–66, Cl. 260—889.

O'Leary, John M., Jr., to Container Corp. of America. Polypropylene plasticized with petrolatum. 3,281,390, 10–25–66, Cl. 260—33.6.

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Oleck, Stephen M., to Socony Mobil Oil Co., Inc. Process for producing an alumina catalyst base. 3,249,557, 5–3–66, Cl. 252—463.

Oleck, Stephen M., and S. J. Wantuck, to Socony Mobil Oil Co., Inc. Catalytic reforming. 3,247,099, 4–19–66, Cl. 208—138.

Olecko, Ray. Crotch-type catapult frame. 3,272,193, 9–13–66, Cl. 124—20.

Oleinik, Vasily A., to Moscovskaya pechatnaya fabrica Goznak. Sheet separatiug and handling apparatus. 3,231,264, 1–25–66, Cl. 271—11.

Oleksiw, Jerome J., to Avco Corp. Method of applying signatures to negotiable instruments. 3,282,720, 11–1–66, Cl. 117—1.

Olenberg, Harry: *See*—
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Olenberg, Harry, and L. Kantrowitz, to Halcon International, Inc. Process for the separation of boric acid from organic liquids. 3,240,820, 3–15–66, Cl. 260—631.

Oles, John S. Method of fabricating a hub. 3,247,584, 4–26–66, Cl. 29—159.3.

Oles, Joseph F., to Hupp Corp. Dry cleaning apparatus. 3,246,493, 4–19–66, Cl. 68—18.

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Olsson, Erik A. Methods in continuous casting. 3,293,707, 12–27–66, Cl. 22—200.1.
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O'Neill, Paul J., Jr., to Union Machine Co. Method and apparatus for packaging paint and the like in a pressurized dispensing container. 3,273,607, 9–20–66, Cl. 141—3.
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Oppenheim, Irving M., to Universal Cyclops Steel Corp. Arc length regulator for consumable electrode melting. 3,277,229, 10–4–66, Cl. 13—13.
Oppenheimer, Edgar D., and P. Pollak, Jr., to American Machine & Foundry Co. Cigar molding and pressing machine. 3,266,498, 8–16–66, Cl. 131—81.
Oppenheimer, Edwin E. Garment hanger attachment. 3,281,028, 10–25–66, Cl. 223—96.
Oppenheimer, Franz. Method of freeze drying food products. 3,233,333, 2–8–66, Cl. 34—5.
Oppenheimer, Franz, deceased, by S. B. Oppenheimer, executrix. Infra-red sublimation method and apparatus for freeze-drying techniques. 3,271,874, 9–13–66, Cl. 34—5.
Oppenheimer, Henry N., to General Precision, Inc. Converter for changing a black and white television signal to a color television signal. 3,258,528, 6–28–66, Cl. 178—5.4.
Oppenheimer, Seymour, to Tee-Pak, Inc. Natural gut-colored fibrous meat casing. 3,275,456, 9–27–66, Cl. 99—176.
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Orloff, Harold D., to Ethyl Corp. Preparation of phenolic compounds. 3,255,255, 6–7–66, Cl. 260—619.
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Ormond, Alfred N. Dual range force measuring instrument. 3,240,057, 3–15–66, Cl. 73—141.
Ormond, Alfred N. Space center omni-directional linear mounting apparatus. 3,240,454, 3–15–66, Cl. 248—5.
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Ormond, Alfred N. Transducer null-balance potentiometer circuit having single energizing source and dual switch means for alternately connecting transducer and bridge output to servo-motor. 3,260,938, 7–12–66, Cl. 324—99.
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Orozco, Gilbert J., to Litton Industries, Inc. Measuring and test apparatus including indexing mechanism. 3,257,870, 6–28–66, Cl. 74—815.
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Orr, Clyde, Jr., and W. P. Hendrix, to Georgia Tech Research Institute. Method and apparatus for obtaining data for determining surface area and pore volume. 3,262,319, 7–26–66, Cl. 73—432.
Orr, David V.: *See*—
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Bowers, Albert, and Orr. 3,257,430.
Bowers, Albert, and Orr. 3,257,435.
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Orr, John B., to Sheffield Plastics, Inc. Method for making container lid fitting. 3,260,775, 7–12–66, Cl. 264—94.

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Orr, Robert P., to Butler Mfg. Co. Building trim. 3,236,011, 2–22–66, Cl. 52—94.
Orr, San W. Wildlife feeder. 3,273,537, 9–20–66, Cl. 119—51.
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Ort, George M., to A. B. Dick Co. Colloid coated paper with anti-wrinkling and puckering properties. 3,230,873, 1–25–66, Cl. 101—149.2.
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Mod, Robert R., Skau, Fore, Magne, Novak, Dupuy, Ortego, and Fisher. 3,285,812.
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Orth, George O., Jr., C. V. Pevey, and E. Reichman. Process of producing a water-resistant and fire-retardant lignocellulosic product. 3,245,870, 4–12–66, Cl. 162—159.
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Orthey, Hubert G., to Buderus'sche Eisenwerke Wetzlar. Method of and machine for cutting tubular stock. 3,292,468, 12–20–66, Cl. 82—101.
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Orthuber, Richard K., to International Telephone and Telegraph Corp. Variable intensity electroluminescent radiation amplifier. 3,244,891, 4–5–66, Cl. 250—213.
Orthuber, Richard K., C. V. Stanley, and T. P. Dixon, to International Telephone and Telegraph Corp. Method of and apparatus for character recognition. 3,280,257, 10–18–66, Cl. 179—1.
Ortlieb, Paul, to Daimler-Benz Aktiengesellschaft. Rotary piston engine. 3,253,582, 5–31–66, Cl. 123—8.
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Ortloff, Gerald D., to Esso Production Research Co. Method for cleaning a formation in the vicinity of a well bore. 3,240,271, 3–15–66, Cl. 166—9.

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Ortman, Alva H. and R. A., to Ortman-Miller Machine Co., Inc. Cushioning structure for power cylinders. 3,267,815, 8–23–66, Cl. 91—26.
Ortman, Charles H., ½, to I. J. Warner. Toggle pliers having an adjustable abutment means and a resilient biasing means. 3,252,360, 5–24–66, Cl. 81—379.
Ortman, Charles H., ½ to I. J. Warner. Pliers with toggle means. 3,252,361, 5–24–66, Cl. 81—379.
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Ortner, Gerhard, and F. Grewe, to Farbenfabriken Bayer Aktiengesellschaft. Metal complexer of dithiocarbamates. 3,285,921, 11–15–66, Cl. 260—270.
Ortner, Samuel. Electric tape dispenser. 3,266,354, 8–16–66, Cl. 83—57.
Ortolano, Ralph J., to Westinghouse Electric Corp. Shrouded turbine or compressor blade. 3,279,751, 10–18–66, Cl. 253—77.
Ortopedia Gesellschaft mit beschrankter Haftung: *See*—
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Orui, Ryuzo, to Nippon Electric Co., Ltd. Magnetic focussing device for an electron tube. 3,259,788, 7–5–66, Cl. 315—3.5.
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Orwig, Herbert L., to Yale & Towne, Inc. Two-speed hydraulic steering system. 3,249,174, 5–3–66, Cl. 180—79.2.
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Orwin, Olaf J. B., to Fisher & Ludlow Ltd. Conveyors for conveying goods. 3,230,897, 1–25–66, Cl. 104—172.
Orwin, Olaf J. B., to Fisher & Ludlow Ltd. Conveyors for conveying goods. 3,242,874, 3–29–66, Cl. 104—96.
Orwin, Olaf J. B., to Fisher & Ludlow Ltd. Overload clutch or torque limiting device. 3,270,844, 9–6–66, Cl. 192—56.
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Osborn, Robert E., and A. K. Reque. Rope anchor. 3,233,934, 2–8–66, Cl. 294—74.

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Oswald, Alexis A., to Esso Research and Engineering Co. Mixed anhydrides of dialkyldithiophosphoric and carboxylic acids and method of preparation. 3,281,503, 10–25–66, Cl. 260—935.

Oswald, Alexis A., and F. Noel, to Esso Research and Engineering Co. Hydroperoxide-amine salts. 3,236,850, 2–22–66, Cl. 260—268.

Oswald, Alexis A., and F. Noel, to Esso Research and Engineering Co. Peroxide-containing adducts of amine compounds and the preparation thereof. 3,252,979, 5–24–66, Cl. 260—268.

Oswald, Fred, to Espery Mfg. and Electronics Corp. Underwater electrical equipment. 3,239,800, 3–8–66, Cl. 340—8.

Oswald, Hendrikus J., and E. Turi, to Allied Chemical Corp. Cyanurate and isocyanurate stabilized halogen-containing olefin polymer compositions. 3,275,592, 9–27–66, Cl. 260—45.8.

Oswald, Raymond C., A. L. Renkey, and D. R. Pflaumer, ½ to Sharon Steel Corp., and ½ to Harbison-Walker Refractories Co. Method of forming and maintaining refractory bottoms of open hearth furnaces for the manufacture of steel. 3,259,672, 7–5–66, Cl. 264—30.

Oswald, Richard G., and D. B. Crane, to Garrison Machine Works, Inc. Chuck. 3,251,606, 5–17–66, Cl. 279—119.

Oswald, Robert A. Film carrier system. 3,238,895, 3–8–66, Cl. 105—150.

Oswald, Robert A., to Thorobred Photo Service, Inc. Method and apparatus for photographing races. 3,240,135, 3–15–66, Cl. 95—1.

Oswald, Robert A. Motion picture projector speed control. 3,278,819, 10–11–66, Cl. 318—257.

Oswald, Robert A., and F. P. De Vol. Roller drive for developing unit. 3,237,830, 3–1–66, Cl. 226—109.

Oswald, Robert G., W. T. Harvey, and H. L. Johnson, to Sun Oil Co. Wax-coated paper. 3,231,462, 1–25–66, Cl. 161—235.

Oswald, Thomas, to Submarine Cables Ltd. Repeatered telephone systems. 3,270,147, 8–30–66, Cl. 179—170.

Oswald, William A.: *See*—
Bartlett, William F., Jorgensen, and Oswald. 3,235,667.

Oswald, William C.: *See*—
Baruth, Elmore J., and Oswald. 3,273,178.
Radke, Arthur O., and Oswald. 3,279,849.
Radke, Arthur O., Oswald, and Champa. 3,275,372.

Oswald, William C., to Bostrom Corp. Vehicle seat suspension systems. 3,245,486, 4–12–66, Cl. 180—1.

Oswald, William C., to Bostrom Corp. Vehicle seat suspension. 3,258,241, 6–28–66, Cl. 248—430.

Oswin, Harry G., to Leesona Corp. Fuel cell electrodes. 3,271,196, 9–6–66, Cl. 136—86.

Oswin, Harry G., S. M. Chodosh, and N. I. Palmer, to Leesona Corp. Fuel cell electrodes. 3,291,643, 12–13–66, Cl. 136—86.

Ota, Isamu. Automatic cart-lifting apparatus with stationary stairs. 3,253,692, 5–31–66, Cl. 198—1.

Ota, Kazuho: *See*—
Yaita, Mitsuru, and Ota. 3,238,304.

Ota, Toshiharu: *See*—
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Otafuku Wata Kabushiki Kaisha: *See*—
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Harada, Noriaki. 3,251,340.

Otake, Masazumi: *See*—
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Otani, Shiro: *See*—
Inaba, Yanosuke, Kimura, and Otani. 3,270,064.

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Mirsky, Monroe. 3,252,707.

Othmer, Donald F. Process for freezing water from solutions to make fresh water or concentrated solutions. 3,250,081, 5–10–66, Cl. 6—58.

Othmer, Donald F. Method for multi flash evaporation to obtain fresh water from aqueous solution. 3,288,686, 11–29–66, Cl. 203—11.

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Brounn, Morrison J. 3,282,004.
Bruns, William H. 3,279,762.
Bruns, William H. 3,280,397.
Dowd, Howard M. 3,239,221.
Dowd, Howard M., and Barrows. 3,256,017.
Dowd, Howard M., Barrows, and Landry. 3,272,508.
McNeeley, Daniel J. 3,279,563.
Prince, Arthur E. 3,267,926.
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Grimmer, George G. 3,232,174.
Grimmer, George G. 3,277,965.
Grimmer, George G., and McCasland. 3,292,706.
Kelley, Emory A. 3,294,171.
Schramm, Harry B. 3,255,723.
Sizer, Phillip S., Cherry, and Wilhoit. 3,280,914.
Tamplen, Jack W. 3,227,462.
Tamplen, Jack W. 3,273,649.
Tamplen, Jack W. 3,278,192.
Tamplen, Jack W. 3,292,938.
Tamplen, Jack W., and Elliston. 3,233,675.
Thrash, Purvis J. 3,294,108.
Waters, James D. 3,270,765.
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Otken, Edwin J., to Good Humor Corp. Comestible. 3,274,-958, 9–27–66, Cl. 107—54.

Otken, Edwin J., to Good Humor Corp. Nozzle. 3,279,393, 10–18–66, Cl. 107—1.

Otremba, Robert R., to Nalco Chemical Co. Process for producing extruded xerogels containing magnesia particles. 3,265,793, 8–9–66, Cl. 264—141.

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Otrhalek, Joseph V., to Wyandotte Chemicals Corp. Production of hydrated sodium hydroxide. 3,291,576, 12–13–66, Cl. 23—302.

Otrhalek, Joseph V., and P. E. Luoma, to Wyandotte Chemical Corp. Silicated sodium hydroxide. 3,271,317, 9–6–66, Cl. 252—135.

Otsuka, Eiji, H. Watanabe, and M. Takada, to Toyo Koatsu Industries, Inc. Preparing acetylene and ethylene. 3,236,905, 2–22–66, Cl. 260—679.

Otsuka, Eiji, T. Takahashi, and T. Abe, to Toyo Koatsu Industries, Inc. Process for producing vinyl chloride. 3,291,846, 12–13–66, Cl. 260—656.

Otsuka, Hideo: *See*—
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Koike, Eiji, Ohbayashi, Kanazawa, and Otsuka. 3,293,-239.

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White, George T. 3,247,227.

Ott, George E., Jr., and E. J. Lohrey, to General Electric Co. Lamp filament transfer device. 3,240,239, 3–15–66, Cl. 140—71.6.

Ott, Gustav, E. Knecht, and H. Gempeler, to Ciba Ltd. Water soluble synthetic resin compositions comprising a melamine-formaldehyde condensate and an unoxidized alkyd resin. 3,242,119, 3–22–66, Cl. 260—29.4.

Ott, Gustav, H. Gempeler, and E. Knecht, to Ciba Ltd. Stoving finishes containing an alkylolated acrylamide interpolymer with a polyepoxide etherified with phenol and esterified with a monocarboxylic acid. 3,264,370, 8–2–66, Cl. 260—834.

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Ott, Hans: *See*—
Hofmann, Albert, Frey, and Ott. 3,227,719.

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Thier, Bernd, and Ott. 3,238,891.

Ott, Howard F., to Eastman Kodak Co. Prepopped film transparency and method of making. 3,242,604, 3–29–66, Cl. 40—152.

Ott, Howard F., and J. J. Heffer, to Eastman Kodak Co. Method of making pre-popped film transparency slides. 3,271,218, 9–6–66, Cl. 156—108.

Ott, Josef, and F. Bauer, to Hoerbiger Ventilwerke Aktiengesellschaft. Lifting device for compressor valves. 3,294,-314, 12–27–66, Cl. 230—24.

Ott, Karl-Heinz, K.-H. Knapp, H. Rohr, and K. Dinges, to Farbenfabriken Bayer Aktiengesellschaft. Impact-resistant graft polymer of styrene onto a polymeric p-isopropyl-2-methylstyrene/alkyl acrylate substrate. 3,287,445, 11–22–66, Cl. 260—881.

Ott, Owen J., to Data-Control Systems, Inc. Clipping circuit producing rectangular output independent of input signal waveshape. 3,238,382, 3–1–66, Cl. 307—88.5.

Ott, Owen J., to Data-Control Systems, Inc. Class A-B complementary direct coupled transistor amplifier. 3,244,996, 4–5–66, Cl. 330—15.

Ott, Richard H., to Anaconda Wire and Cable Co. Wire-drawing apparatus. 3,238,758, 3–8–66, Cl. 72—279.

Ott, Richard J.: *See*—
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Ott, Richard J., and O. R. Siewert, to Arro Plastics, Inc. Apparatus for making a die structure. 3,230,583, 1–25–66, Cl. 18—36.

Ott, Thomas M.: *See*—
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Ott, Vivian L., and J. B. Beaman, Jr. Permanent magnetic switch. 3,247,342, 4–19–66, Cl. 200—87.

Ott, Walter. Expansible plug. 3,283,642, 11–8–66, Cl. 85—33.

Ott, William F., and J. H. Krein, to ACF Industries, Inc. Multi-barrel carburetor with adjustable idle air by-pass. 3,252,539, 5–24–66, Cl. 180—77.

Ott, William J., to Sperry Rand Corp. Bearing assembly. 3,272,571, 9–13–66, Cl. 308—26.

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Ottaway, Gerald H., L. J. Boland, G. A. Blaauw, and R. Keslin, to International Business Machines Corp. Quotient guess divider. 3,234,367, 2–8–66, Cl. 235—156.

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Otten, Harry M. M., to Stamicarbon N.V. Apparatus for imparting pulsations to a liquid within a container. 3,285,-138, 11–15–66, Cl. 91—1.

Otten, Walter: *See*—
Spyra, Walter, and Otten. 3,233,142.

Ottenheym, Johannes H., and J. W. F. van 't Wout, to Stamicarbon N.V. Vulcanization of polyethylene with peroxides and compounds containing conjugated diene and carbonyl groups. 3,257,352, 6–21–66, Cl. 260—41.

Ottenheym, Johannes H., and J. W. Garritsen, to Stamicarbon N.V. Process for the preparation of imidochlorides and/or hydrochlorides of imidochlorides. 3,282,923, 11–1–66, Cl. 260—239.

Otterman, Charles E., to Surrounding Sound, Inc. Life sphere. 3,259,926, 7–12–66, Cl. 9—4.

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Otterstedt, Bror A. Liquid metal transfer switch. 3,244,845, 4–5–66, Cl. 200—152.

Ottestad, Jack B., to U.S. Industries, Inc. Piston assemblies. 3,255,678, 6–14–66, Cl. 92—211.

Ottestad, Jack B., to Impulse Products Corp. Linear accelerator. 3,263,575, 8–2–66, Cl. 92—75.

Ottestad, Jack B. Flexible snap-on spout for curved rim containers. 3,272,407, 9–13–66, Cl. 222—569.

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Kober, Ehrenfried H., Lederle, and Ottmann. 3,291,865.

Ottmann, Gerhard F., and H. Hooks, Jr., to Olin Mathieson Chemical Corp. Process for preparing selected bis(isocyanide dichlorides). 3,267,144, 8–16–66, Cl. 260—566.

Ottmann, Gerhard F., and H. Hooks, Jr., to Olin Mathieson Chemical Corp. Substituted-5-imino-1,2,4-thiadiazolidin-3-ones and process therefor. 3,282,950, 11–1–66, Cl. 260—306.7.

Otto, Anthony K., to King-Seeley Thermos Co. Oven senser with biasing winding. 3,265,302, 8–9–66, Cl. 236—68.

Otto, Carl L., Jr. Method of and apparatus for microsample conductivity measurement. 3,265,962, 8–9–66, Cl. 324—30.

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Otto, Donald W., and R. B. Uphus, to Inter-Marc Corp. Garbage can holder. 3,235,094, 2–15–66, Cl. 211—71.

Otto, Edward C., to Interchemical Corp. Heat-sensitive sheet for thermographic copying. 3,260,613, 7–12–66, Cl. 117—36.9.

Otto, Eugene. Sun shade for folding chair. 3,243,230, 3–29–66, Cl. 297—184.

Otto, Ferdinand P.: *See*—
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Otto, Ferdinand P., to Socony Mobil Oil Co., Inc. Method for preparing complex metal salts of sulfonic acids. 3,259,-576, 7–5–66, Cl. 252—33.

Otto, Fritz, to Belder Trust Reg. Portable appliances. 3,240,435, 3–15–66, Cl. 241—101.

Otto, Fritz, to A. Stephan, U. Sohne. Kneading apparatus. 3,286,993, 11–22–66, Cl. 259—107.

Otto, Fritz, to A. Stepan u Sohne. Charging arrangement for a meat grinder or the like. 3,289,720, 12–6–66, Cl. 146—182.

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Siebel, Hans P., and Otto. 3,280,219.

Otto, Harry, A. R. Buchholz, and W. J. Rupnow, to Brandt Automatic Cashier Co. Coin feeder. 3,229,806, 1–18–66, Cl. 198—54.

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Ottosson, Carl O. L., G. I. Ekstrom, and S. H. Nordahl, to Atlas Copco Aktiebolag. Means for preventing idle operation of percussion tools. 3,241,622, 3–22–66, Cl. 173—18.

Otwell, Harry C. Orthoptic devices. 3,277,888, 10–11–66, Cl. 128—76.5.

Ouchi, Hiromu, K. Nagano, and K. Iwamoto, to Matsushita Electric Industrial Co., Ltd. Piezoelectric ceramic compositions. 3,268,453, 8–23–66, Cl. 252—62.9.

Ouchi, Shunji, H. Yamada, K. Tsunoda, N. Kameyama, and S. Senoo, to Asahi Kasei Kogyo Kabushiki Kaisha. Method for producing 5'-nucleotides. 3,282,920, 11–1–66, Cl. 260—211.5.

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Ouellette, Clarence P., to West Virginia Pulp and Paper Co. Packaging machine. 3,237,370, 3–1–66, Cl. 53—137.

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Ouellette, Clarence P., to West Virginia Pulp and Paper Co. Method of packaging articles. 3,269,078, 8–30–66, Cl. 53—3.

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Ziegler, Kurt F. 3,250,240.
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Outhouse, Laurence E., and D. H. Covill, to E. M. I.-Cossor Electronics Ltd. Apparatus and method for combining A and B type displays on an oscilloscope having a B type sweep circuit. 3,284,659, 11–8–66, Cl. 315—22.

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Overholt, Dorothy M. Women's shorts for outdoor wear. 3,243,824, 4–5–66, Cl. 2—238.

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Ovshinsky, Stanford R., to Energy Conversion Devices, Inc. Resistance switches and the like. 3,271,584, 9–6–66, Cl. 307—88.5.

Ovshinsky, Stanford R., to Energy Conversion Devices, Inc. Symmetrical current controlling device. 3,271,591, 9–6–66, Cl. 307—88.5.

Ovshinsky, Stanford R., to Energy Conversion Devices, Inc. Resistance switches and the like. 3,271,719, 9–6–66, Cl. 338—28.

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McClocklin, Samuel B. 3,285,268.

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Owen, Charles D., to Beacon Mfg. Co. Stitched and needled non-woven fabric. 3,260,640, 7–12–66, Cl. 161—50.

Owen, Charles E., A. Peacock, and D. M. Taub, to International Business Machines Corp. Computer control system. 3,273,126, 9–13–66, Cl. 340—172.5.

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Owen, Henry E. S., and K. W. Klein, to General Electric Co. Circuit-breaker with ambient compensating means. 3,260,825, 7–12–66, Cl. 200—116.

Owen, James H., to Kaiser Steel Corp. Blast furnace charging system. 3,276,757, 10–4–66, Cl. 266—30.

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Huffman, John W. 3,243,556.
Huffman, John W., and Placent. 3,254,184.
Pace, Joseph, to The Torrington Co. Replaceable, reversible pattern guide jack for automatic knitting machines. 3,253,428, 5–31–66, Cl. 66—126.
Pace, Joseph, and S. J. Levanti, to Textile Machine Works. Pivoted latch knitting needle. 3,253,427, 5–31–66, Cl. 66—122.
Pace, Thomas. Revolving door safety system. 3,285,209, 11–15–66, Cl. 109—8.
Pacella, Michael. Concrete pipe construction. 3,228,425, 1–11–66, Cl. 138—176.
Pache, Robert A., L. H. Peters, and J. H. Versteeg, to Union Carbide Corp. Beverage bottle cases. 3,265,237, 8–9–66, Cl. 220—21.
Pachmayr, Frank A. Gun sling swivel. 3,226,872, 1–4–66, Cl. 42—85.
Pachmayr, Frank A. Reinforced firearm recoil pad. 3,263,359, 8–2–66, Cl. 42—74.
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Pachmayr, Frank A., and W. R. Nass, to Firearm Accessories, Inc. Mounting of gun muzzle devices. 3,257,108, 6–21–66, Cl. 269—45.
Pachter, Irwin J., to Smith Kline & French Laboratories. 6-alkanoyl; and 6-alpha-hydroxy-pteridines. 3,238,206, 3–1–66, Cl. 260—251.5.
Pachter, Irwin J., to Smith Kline & French Laboratories. Polyacylated pyrimidine derivatives. 3,278,535, 10–11–66, Cl. 260—256.4.
Pachter, Irwin J., and J. W. Wilson, to Smith Kline & French Laboratories. Trifluoromethyl substituted o-aminophenyl ketones. 3,267,110, 8–16–66, Cl. 260—296.
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Cox, Clifford B. 3,279,606.
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Kopas, George A., and Kneeland. 3,271,160.
Rathjen, Walter E., Cummings, and Kneeland. 3,278,567.
Rhodes, Kenneth H. 3,278,313.
Pacini, Harry A., A. E. Pavlath, E. G. Teach, and F. H. Walker, to Stauffer Chemical Co. Method of fluorinating organic compounds employing arsenic trifluoride. 3,287,424, 11–22–66, Cl. 260—651.
Paciorek, Kazimiera J. L., to United States of America, Navy. Linear phosphonitrilic oxygen terminated derivatives. 3,249,635, 5–3–66, Cl. 260—551.
Paciorek, Kazimiera J. L., and R. H. Kratzer, to American Potash & Chemical Corp. Process for producing phosphinyl azides. 3,272,846, 9–13–66, Cl. 260—349.
Paciorek, Kazimiera J. L., and R. H. Kratzer, to United States of America, Navy. Preparation of diphenylphosphinous azide and polymers derived therefrom. 3,277,170, 10–4–66, Cl. 260—551.
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Leatham, Earl, Pack, and Weaver. 3,275,410.
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Pack, Albert H., W. W. Campbell, and E. Leatham, to Harbison-Walker Refractories Co. Production of dead burned refractory grain in a shaft kiln. 3,280,228, 10–18–66, Cl. 263—53.
Pack, Howard S., and A. Z. Purzycki, to Teletype Corp. Universal tape reader with sensing suppression. 3,280,308, 10–18–66, Cl. 235—61.11.
Pack, Jean C. Photographic reproduction control apparatus. 3,249,000, 5–3–66, Cl. 88—24.
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Czajkowski, Paul V. 3,269,085.
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Bessett, Clifford H. 3,285,491.
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Hess, Rolland. 3,291,368.
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Cianci, Arthur. 3,269,885.
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Rieth, Harold F. 3,284,683.
Rieth, Harold F. 3,284,685.
Rieth, Harold F. 3,290,689.
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Packard, Lyle E., Munn, Smith, and Polic. 3,257,561.
Valancius, James P. 3,287,623.
Packard, Lyle E. Apparatus relating to the detection and measurement of radioactivity in relatively large bodies. 3,233,102, 2–1–66, Cl. 250—71.5.
Packard, Lyle E., A. A. Munn, R. E. Smith, and E. F. Polic, to Packard Instrument Co., Inc. Radioactivity level detecting apparatus for samples carried by portable trays with transfer and indexing means for the trays. 3,257,561, 6–21–66, Cl. 250—106.
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Packer, Mervyn B., to Automotive Products Co. Ltd. Anti-skid brake system. 3,260,555, 7–12–66, Cl. 303—21.
Packer, Mervyn B., to Automotive Products Co. Ltd. Liquid pressure braking systems for vehicles. 3,260,556, 7–12–66, Cl. 303—21.
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Packwood, George H., Jr., to G. H. Packwood Mfg. Co. Fluent material dispenser with bottle-type material container. 3,250,438, 5–10–66, Cl. 222—181.
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Padberg, Louis R., Jr. Simplified method of submarine depth determination. 3,290,643, 12–6–66, Cl. 340—3.
Paddack, George M. Book covers. 3,241,863, 3–22–66, Cl. 281—29.
Padde Pty. Ltd.: *See*—
David, Harold G. 3,274,734.
Paddison, Eric, to The English Electric Co. Ltd. Electrical protective relays. 3,252,053, 5–17–66, Cl. 317—58.
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Paddock, Chester I., deceased; T. R. Conn, administrator. Safety chain for trailers. 3,265,407, 8–9–66, Cl. 280—457.
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Paddock, Raymond E., to Ekco Products Co. Method of and apparatus for producing kitchen tool stalks. 3,271,989, 9–13–66, Cl. 72—356.
Padelliford, Ralph M., to Iowa State University Research Foundation Inc. Heart-lung resuscitation training device. 3,276,147, 10–4–66, Cl. 35—17.
Padelliford, Ralph M., to Iowa State University Research Foundation Inc. Fire extinguishing apparatus. 3,283,826, 11–8–66, Cl. 169—1.
Padelt, Johannes G., to Graflex, Inc. Focal plane shutter for cameras. 3,256,795, 6–21–66, Cl. 95—57.
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Page, Chester H., to United States of America, Army. Amplitude stabilizing circuit for electron tube oscillators. 3,230,478. 1–18–66, Cl. 331—183.
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Thomas, Elmer. 3,270,285.
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Page, John W. 3,247,606.
Page, John W. 3,247,607.
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Page, Harold A., and A. D. C. Gunn, to Cochran and Co., Annan Ltd. Control of fuel and air supply to burners. 3,262,485, 7–26–66, Cl. 158—28.
Page, John, and R. J. Straub, to United States Gypsum Co. Building board or the like. 3,260,027, 7–12–66, Cl. 52—602.
Page, John, and R. J. Straub, to United States Gypsum Co. Production of ribbed building board. 3,260,635, 7–12–66, Cl. 156—40.
Page, John S., Jr. Fluid pressure responsive valve and control means therefor. 3,252,476, 5–24–66, Cl. 137—458.
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Page, John S., Jr. Storm choke. 3,279,545, 10–18–66, Cl. 166—224.
Page, John W., to Page Engineering Co. Retaining pin for two part chain link. 3,243,952, 4–5–66, Cl. 59—85.
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Page, John W., to Page Engineering Co. Dragline excavating bucket and hitch. 3,247,607, 4–26–66, Cl. 37—135.
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Page, Milton E. Fabricating apparatus. 3,252,642, 5–24–66, Cl. 227—100.
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Page, Phyllis D., to Becton Dickinson and Co. Electrode carrier assembly. 3,267,362, 8–16–66, Cl. 324—30.
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Page, Robert M. Radio direction finder system. 3,274,599, 9–20–66, Cl. 343—112.
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Page, Robert M. Radar range tracking system. 3,277,475, 10–4–66, Cl. 343—17.1.
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Pagel, Armin B., and H. Nerwin, to Eastman Kodak Co. Power zoom device for movie cameras. 3,260,184, 7–12–66, Cl. 95—45.
Pagenkopf, Walter H., to Teletype Corp. Keyboard for generating braille copy. 3,235,055, 2–15–66, Cl. 197—100.
Pagenstecher, Fabio. Marine engine provided with means to prevent the flooding thereof in the event of upset in water. 3,267,920, 8–23–66, Cl. 123—98.
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Paige, Richard E. Containers for electric light bulbs. 3,255,879, 6–14–66, Cl. 206—65.
Paige, Richard E., to Paper Products Development Corp. Articles such as displays formed of flexible creasable sheets. 3,273,272, 9–20–66, Cl. 40—124.1.
Paige, Richard E., to The Paige Co. Containers, Inc. Container. 3,275,215, 9–27–66, Cl. 229—31.
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Paille, Wilbrod A., G. Belli, and F. M. Fowler, to General Electric Co. Apparatus for producing blades. 3,229,494, 1–18–66, Cl. 72—394.
Pain, Charles E., to The Telex Corp. Push-button switch having indicator means. 3,265,847, 8–9–66, Cl. 200—167.
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Painter, Erle V., Jr., and W. R. Strickel, to Johnson & Johnson. Filter media. 3,237,776, 3–1–66, Cl. 210—504.
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Painter, Erle V., W. R. Strickel, G. L. Weir, F. K. Mesek, F. C. Palermo, and R. C. Shepherd, to Johnson & Johnson. Process and composition for boil proof non-woven filter media. 3,253,715, 5–31–66, Cl. 210—504.
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Paisley, Thomas J. 3,258,169.
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Pan, Bingham Y. K., and R. G. Roth, to Monsanto Co. Method of catalytically producing hydrogen cyanide and regenerating the catalyst therefor in situ. 3,244,479, 4–5–66, Cl. 23—151.

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Pangburn, Raymond A. Slush pump valve cover. 3,278,070, 10–11–66, Cl. 220—55.

Pangburn, Raymond A. Slush pump valve cover. 3,278,071, 10–11–66, Cl. 220—55.

Pangburn, Raymond A. Slush pump valve pot cover. 3,278,072, 10–11–66, Cl. 220—55.

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Paoli, Stephen A. Machine for separating fragments of bone, gristle, or sinew from comminuted meat. 3,266,542, 8–16–66, Cl. 146—76.

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Papalia, John, to Gulf Research & Development Co. Method of mitigating the production of undesirable gas or water in oil wells. 3,228,470, 1–11–66, Cl. 166—29.

Papalia, John, to Gulf Research & Development Co. Method and apparatus for installing a permeable well liner. 3,270,817, 9–6–66, Cl. 166—46.

Papalos, John G., to J. M. Huber Corp. Silane-treated clay reinforced resin compositions. 3,227,675, 1–4–66, Cl. 260—41.

Papangelis, Anthony. Roller skate. 3,229,989, 1–18–66, Cl. 280—11.31.

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Papapanu, James A., to Carrier Corp. Refrigeration system with purging means. 3,276,216, 10–4–66, Cl. 62—85.

Papapanu, James A., to Carrier Corp. Flow metering device for refrigeration system. 3,280,589, 10–25–66, Cl. 62—218.

Papapanu, James A., to Carrier Corp. Turbocompressor. 3,281,062, 10–25–66, Cl. 230—116.

Papapanu, James A., to Carrier Corp. Steam powered refrigeration system. 3,286,480, 11–22–66, Cl. 62—188.

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Papayannopoulos, Andreas G., to Mobil Oil Corp. Lubricating compositions. 3,284,355, 11–8–66, Cl. 252—32.7.

Papayannopoulos, Andreas G., and H. Myers, to Socony Mobil Oil Co., Inc. Oil-soluble metal halide complexes and improved lubricating oil compositions containing same. 3,256,188, 6–14–66, Cl. 252—42.7.

Pape, Edward B. Tube expander. 3,236,104, 2–22–66, Cl. 72—458.

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Pape, Hans-Martin, to Gustav F. Gerdts K.G. Discharger for condensation water. 3,267,951, 8–23–66, Cl. 137—183.

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Papell, Solomon S., to United States of America, National Aeronautics and Space Administration. Fluid dispensing apparatus and method. 3,258,918, 7–5–66, Cl. 60—39.46.

Papenguth, Richard P., to Parker-Hannifin Corp. Sealed joint and gasket therefor. 3,259,404, 7–5–66, Cl. 285—212.

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Papero, Patrick V., Jr., to Allied Chemical Corp. Polycarbonates stabilized with a manganese salt in combination with hypophosphorous acid. 3,242,134, 3–22–66, Cl. 260—45.75.

Papesch, Viktor, to G. D. Searle & Co. 7-amino-1-methyl-2,4-dioxo-1,2,3,4,5,6-hexahydropyrido [2,3-D]-pyrimidine and related compounds. 3,235,554, 2–15–66, Cl. 260—256.4.

Papesch, Viktor, to G. D. Searle & Co. 7-amino-3-cyanoethyl-1-methyl-2,4-dioxo-1,2,3,4,5,6 - hexahydropyrido - [2,3 - d] pyrimidine and related compounds. 3,235,555, 2–15–66, Cl. 260—256.4.

Papesch, Viktor, to G. D. Searle & Co. 7-amino-2,4-dioxo-1,2,3,4 - tetrahydropyrido[2,3-d]pyrimidines. 3,272,816, 9–13–66, Cl. 260—256.4.

Papesch, Viktor, to G. D. Searle & Co. 7-hydroxy-2,4-dioxo-1,2,3,4,5,6-hexahydropyrido [2,3-d]-pyrimidines. 3,275,634, 9–27–66, Cl. 260—256.4.

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Papke, Friedrick, W. Utmann, and F. Mische, to Voigtlander A.G. Range finder. 3,257,924, 6–28–66, Cl. 95—44.

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Pappas, James J., and E. Gancher, to Interchemical Corp. Triphenylphosphinemethylene. 3,274,228, 9–20–66, Cl. 260—465.

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Pappas, William S., to United States of America, Atomic Energy Commission. Temperature compensated condensation pressure analyzer. 3,284,780, 2–15–66, Cl. 73—29.

Pappas, William S., and C. W. Weber, to United States of America, Atomic Energy Commission. Gas condensation pressure analyzer. 3,229,502, 1–18–66, Cl. 73—29.

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Pappo, Raphael, to G. D. Searle & Co. Lower alkanoyl esters of 4-hydroxy-2-lower alkyl cyclopentane-1,3-diones. 3,278,588, 10–11–66, Cl. 260—488.

Pappo, Raphael, and C. Jung, to G. D. Searle & Co. Optionally 17-alkylated 17β-hydroxy-4-oxa-5α-androst-1-en-3-ones and esters thereof. 3,251,860, 5–17–66, Cl. 260—343.2.

Pappo, Raphael, and C. Jung, to G. D. Searle & Co. (Optionally alkylated)-2-aza-5α-androstan-17β-ols and acyl derivatives thereof. 3,280,133, 10–18–66, Cl. 260—289.

Pappo, Raphael, and M. G. Scaros, to G. D. Searle & Co. (Optionally 17-alkylated)-17-oxygenated-3-oxa-5a-androstan-2-ones and intermediates thereto. 3,282,962, 11–1–66, Cl. 260—343.2.

Pappo, Raphael, and C. Jung, to G. D. Searle & Co. 1,2-seco-A-nor-5-alpha-androstane-1,2,17-beta-triols, 17-alkylated-1,2-seco-A-nor-5-alpha-androstane-1,2,17-beta-triols and esters thereof. 3,293,284, 12–20–66, Cl. 260—488.

Paprocki, Stan J.: *See*—
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Hill, Robert F., Paprocki, and Keller. 3,243,292.

Papst, Hermann. Ventilator. 3,229,897, 1–18–66, Cl. 230—117.

Papst, Hermann. Gear with hydraulic speed selection. 3,253,475, 5–31–66, Cl. 74—364.

Papst, Hermann. Combined fuel injection and ignition system for internal combustion engines. 3,256,833, 6–21–66, Cl. 103—154.

Paptzun, George J.: *See*—
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Papworth, Hugh P., to Crouse-Hinds Co. Explosion proof electrical connector operable upon engagement of plug and receptacle halves. 3,235,682, 2–15–66, Cl. 200—51.09.

Papworth, Thomas H. Aeration system for freight car. 3,289,565, 12–6–66, Cl. 98—6.

Paquette, Leo A., to The Upjohn Co. Dialkyl 2-azabicyclo [3.2.2]nono-6,8-diene-8,9-dicarboxylates. 3,239,505, 3–8–66, Cl. 260—239.

Paquette, Leo A., to The Upjohn Co. Chloro-thiabicycloalkane dioxides and process for their preparation. 3,251,841, 5–17–66, Cl. 260—247.1.

Paquette, Leo A., to The Upjohn Co. 2-azabicyclo [3.2.0] heptan-3-ones. 3,259,634, 7–5–66, Cl. 260—326.5.

Paquette, Leo A., to The Upjohn Co. 1-chloro-3,4-dihydro 2-naphthaldehyde oxime and ethers thereof. 3,262,975, 7–26–66, Cl. 260—566.

Paquette, Leo A., to The Upjohn Co. 1-(2-alkenyloxy) carbostyrils. 3,264,305, 8–2–66, Cl. 260—289.

Paquette, Leo A., to The Upjohn Co. 1-aralkoxycarbostyrils. 3,264,306, 8–2–66, Cl. 260—289.

Paquette, Leo A., to The Upjohn Co. Certain dihydro-2H-azepine compounds and their preparation. 3,267,092, 8–16–66, Cl. 260—239.

Paquette, Leo A., to The Upjohn Co. Certain dihydro-3H-azepinium compounds and their preparation. 3,267,093, 8–16–66, Cl. 260—239.

Paquette, Leo A., to The Upjohn Co. 2-azabicyclo[3.2.2]non-6-ene-8,9-dicarboximides. 3,268,553, 8–23–66, Cl. 260—326.

Paquette, Leo A., to The Upjohn Co. Certain 3H-azepine compounds and their preparation. 3,270,006, 8–30–66, Cl. 260—239.

Paquette, Leo A., to The Upjohn Co. 2-aza-bicyclo[3.2.0]hept-6-ens-3-ones and process for their production. 3,275,653, 9–27–66, Cl. 260—326.5.

Paquette, Leo A., to The Upjohn Co. 1,3 dihydro-2H-azepine-2-thiones. 3,281,413, 10–25–66, Cl. 260—239.3.

Paquette, Leo A., to The Upjohn Co. 2-azabicyclo [3.2.0] hept-6-en-3-ones. 3,285,934, 11–15–66, Cl. 260—326.5.

Paquette, Leo A., to The Upjohn Co. Amidinohydrazones of 2-halo-1-cycloalkene-1-carboxaldehydes and salts thereof. 3,293,296, 12–20–66, Cl. 260—564.

Paquette, Raymond E.: *See*—
Keller, Charles H., and Paquette. 3,256,459.

Paquette, Raymond E., and C. H. Keller, to Pek Labs, Inc. Self-starting arc lamp. 3,274,427, 9–20–66, Cl. 314—34.

Paquette, Roland E. Spring check for loom parallel motion. 3,228,430, 1–11–66, Cl. 139—162.

Paquin, Maurice J.: *See*—
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Paradis, Joseph R.: *See*—
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Paragamian, Vasken: *See*—
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Paragon Bridge & Steel Co.: *See*—
De Podesta, Frank B., Innes, Burt, and Kullgren. 3,240,167.

Paramatic Development Ltd.: *See*—
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Parametrics Research and Development Co., Inc.: *See*—
Humes, Harold L., Jr. 3,276,797.

Paramount Packaging Corp.: *See*—
Davis, Francis A., Jr., and Flannery. 3,233,639.
Davis, Francis A., Jr., and Flannery. 3,282,173.

Paramount Paper Products Co.: *See*—
Miller, Harmon B. 3,272,422.
Watson, Max E. 3,248,907.

Paramount Pictures Corp.: *See*—
Court, Patrick R. J. 3,231,818.
Lawrence, Ernest O. Re. 26,035.
Parnes, Robert, Petro, and Raibourn. 3,243,645.

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Paramythioti, Jean M., to Societe Anonyme des Anciens Etablissements Albaret. Equipment specially adapted for actuating consolidating or compacting rollers or like devices operating on sloping ground surfaces. 3,242,835, 3–29–66, Cl. 94—50.

Paramythioti, Jean M., to Societe Anonyme des Anciens Etablissements Albaret. Self-propelled compaction rollers. 3,291,014, 12–13–66, Cl. 94—50.

Parasacco, Giovanni, and G. Faraone, to Montecatini Societa Generale per l'Industria Minerarla e Chimica. Applying subbing layer onto olefin polymeric films by graft polymerization using ultra-violet radiation. 3,250,642, 5–10–66, Cl. 117—93.31.

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Paraskewik, William, to United States of America, Navy. Universal missile adapter. 3,262,664, 7–26–66, Cl. 248—119.

Parce, Arthur M. Catalog filing rack. 3,294,245, 12–27–66, Cl. 211—42.

Parce, Charles W. Air conditioning apparatus. 3,257,816, 6–28–66, Cl. 62—80.

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Pardo, Clay E., Jr.: *See*—
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Pardue, Edward. Spare fuel container for vehicles. 3,279,523, 10–18–66, Cl. 158—46.5.

Pardun, Hermann, to Lever Bros. Co. Antispattering milk margarine and its preparation. 3,245,802, 4–12–66, Cl. 99—123.

Pare, Robert L., ½o to D. R. Black, Jr. Road expansion joint. 3,273,473, 9–20–66, Cl. 94—18.

Parechoc S.A.: *See*—
Loretan, Edouard. 3,258,047.
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Parent, Edward D., Jr., to Sylvania Electric Products Inc. Apparatus for rinsing electrophoretically coated articles. 3,227,167, 1–4–66, Cl. 134—109.

Parent, Gordon C. J., K. Luther, W. W. Bulgrin, and M. H. MacKusick, to The Firestone Tire & Rubber Co. Apparatus for producing welded disk wheels. 3,266,702, 8–16–66, Cl. 228—48.

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Parfitt, Norman L. C., to Cowlishaw Walker & Co. Ltd. Monorail vehicles. 3,265,014, 8–9–66, Cl. 105—30.

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Parham, Fred M., to E. I. du Pont de Nemours and Co. Decahydro-bis(hydroxymethyl) naphthalenes. 3,280,198, 10–18–66, Cl. 260—617.

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Parilla, Arthur R. Incremental tube or vessel expander. 3,280,608, 10–25–66, Cl. 72—58.

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Paris, August F. Garment conditioning apparatus. 3,254,813, 6–7–66, Cl. 223—70.

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Pariser, Rudolph, D. B. Pattison, and K. L. Seligman, to E. I. du Pont de Nemours and Co. Ethylene, lower alkyl vinyl sulfide copolymer. 3,265,672, 8–9–66, Cl. 260—79.7.

Parish, Clyde E., to Signal Oil and Gas Co. Dehydration of alcohols. 3,275,698, 9–27–66, Cl. 260—666.

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Parish, Richard L., Jr., and H. F. Wheaton, to American Flange & Mfg. Co., Inc. Plastic pouring spouts and combinations. 3,235,146, 2–15–66, Cl. 222—479.

Parish, Robert K. Cup and tray set. 3,250,422, 5–10–66, Cl. 220—23.83.

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Park, Donald M. 3,253,077.

Park, Charles W.: *See*—
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Park, Charles W., to United States of America, Atomic Energy Commission. Compact high voltage transformer having more uniform equipotential line spacing. 3,265,998, 8–9–66, Cl. 336—70.

Park, Donald M., to The Seeburg Corp. Tempo control for electrical musical instruments. 3,243,494, 3–29–66, Cl. 84—1.03.

Park, Donald M., to Park-Baker Electronic Development Corp. Electrical musical instrument keying circuitry. 3,253,077. 5–24–66, Cl. 84—1.11.

Park, Donald M., to The Seeburg Corp. Automatic repetitive rhythm instrument timing circuitry. 3,255,292, 6–7–66, Cl. 84—1.03.

Park Electrochemical Corp.: *See*—
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Kend, David, and Chiesa. 3,264,159.

Park, George B. Plant shipping container. 3,284,949, 11–15–66, Cl. 47—34.11.

Park, Glenn S., to The Heil Co. Latch and tailgate operating mechanism for truck bodies. 3,272,552, 9–13–66, Cl. 296—56.

Park, James H., III, J. R. Redmon, and W. H. Leverett, to Maintenance Engineering Corp. Pipe ball transfer device. 3,246,666, 4–19–66, Cl. 137—268

Park, Jong C.: *See*—
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Park, Jong C., and L. O. Winstrom, to Allied Chemical Corp. Process or reducing the concentration of Mercury in hydrogen gas. 3,257,776, 6–28–66, Cl. 55—72.

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Park, Robert H. Means for maintaining stability of power transmission systems d notwithstanding a fault. 3,234,397, 2–8–66, Cl. 307—86.

Park, Robert H. Closure for plastic containers. 3,255,925, 6–14–66, Cl. 222—107.

Park, Robert O., to Baker Oil Tools, Inc. Retrievable pump and anchor apparatus. 3,282,340, 11–1–66, Cl. 166—106.

Park, Ronald C., and A. H. Wilder, to Corning Glass Works. Glass article inspecting. 3,227,037, 1–4–66, Cl. 88—14.

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Cahlik, Jim C. 3,288,327.
Campbell, Alfred. 3,246,031.
Cavalla, John F., and Davoll. 3,256,297.
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Moersch, George W., and Morrow. 3,264,345.
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Moersch, George W., and Neuklis. 3,285,939.
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Parke, Harry G., to Marine Electric Corp. Water purity metering systems. 3,235,469, 2–15–66, Cl. 203—2.

Parke, Harry G., to Marine Electric Corp. Method and apparatus for identifying wires. 3,252,087, 5–17–66, Cl. 324—66.

Parke, Harry G., to Marine Electric Corp. Radio navigation system providing a constant phase reference signal at any point on earth. 3,277,483, 10–4–66, Cl. 343—105.

Parke, Robert M., to General Electric Co. Inlet orifice for continuous casting apparatus. 3,264,692, 8–9–66, Cl. 22—57.2.

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Parker, Alene M. Step stick walking aid. 3,289,685, 12–6–66, Cl. 135—45.

Parker, Alva D. Slush pump piston. 3,282,172, 11–1–66, Cl. 92—128.

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Parker, Bernard, J. C. Stiles, and L. Weisbord, to General Precision Inc. Two-axis viscous drive gyro. 3,283,594, 11–8–66, Cl. 74—5.46.

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Parker, Carl L., to Malor Mfg. Inc. Tapping saddle for polyethylene cable. 3,284,109, 11–8–66, Cl. 285—197.

Parker, Carl L., to Malor Mfg. Inc. Ultrasonic leak locator. 3,280,465, 12–6–66, Cl. 73—40.5.

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Parker, Charles A., to Kimball Systems, Inc. Tag separating devices having edge riffling means. 3,285,604, 11–15–66, Cl. 271—44.

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Parker, David L., and R. W. Bliss, to The Magnavox Co. Explosive device. 3,279,374, 10–18–66, Cl. 102—81.6.

Parker, Delbert R., and R. A. Kurz, to Westinghouse Electric Corp. Expulsion lightning arrester. 3,283,196, 11–1–66, Cl. 313—231.

Parker, Earl E.: *See*—
Wright, Francis M., and Parker. 3,256,133.

Parker, Edward A., and A. M. Weisberg, to Technic, Inc. Electrodeposition of palladium. 3,290,234, 12–6–66, Cl. 204—47.

Parker, Emery, to Carlisle Chemical Works, Inc. Halogen-containing resin stabilized with pentaerythritol phosphites. 3,245,926, 4–12–66, Cl. 260—23.

Parker, Ervin G., to The Quaker Oats Co. Dry roll-in pastry mix. 3,255,016, 6–7–66, Cl. 99—94.

Parker, Ewell E., Jr. Chamber carburetor. 3,279,770, 10–18–66, Cl. 261—36.

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Parker, Frederick R., ½ to J. E. Johnson. Swimming doll. 3,247,613, 4–26–66, Cl. 46—92.

Parker, Frederick R., ½ to J. E. Johnson. Toy device for launching and intercepting rotary wing flying targets. 3,271,033, 9–6–66, Cl. 273—101.

Parker, George E., to Woodward Governor Co. Magnetically controlled valve. 3,272,234. 9–13–66, Cl. 137—625.65.

Parker, George F., and G. E. Slater, to Rockwell-Standard Corp. Corrugated filter element. 3,261,474, 7–19–66, Cl. 210—487.

Parker, George T., to Allied Chemical Corp. Sulfuryl chlorofluoride fumigant. 3,269,899, 8–30–66. Cl. 167—39.

Parker, Glen H. Stringed instrument protector. 3,251,258, 5–17–66, Cl. 84—453.

Parker, Graham A.: *See*—
Foster, Keith, and Parker. 3,292,370.

Parker, Grover C.: *See*—
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Parker-Hannifin Corp.: *See*—
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Carrell, Theodore R. 3,231,289.
Cisco, Richard L., and Blanchard. 3,233,624.
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Currie, William E. 3,278,204.
Currie, William E. 3,287,033.

Pappo, Raphael, to G. D. Searle & Co. Lower alkanoyl esters of 4-hydroxy-2-lower alkyl cyclopentane-1,3-diones. 3,278,588, 10–11–66, Cl. 260—488.

Pappo, Raphael, and C. Jung, to G. D. Searle & Co. Optionally 17-alkylated 17β-hydroxy-4-oxa-5α-androst-1-en-3-ones and esters thereof. 3,251,860, 5–17–66, Cl. 260—343.2.

Pappo, Raphael, and C. Jung, to G. D. Searle & Co. (Optionally alkylated)-2-aza-5α-androstan-17β-ols and acyl derivatives thereof. 3,280,133, 10–18–66, Cl. 260—289.

Pappo, Raphael, and M. G. Scaros, to G. D. Searle & Co. (Optionally 17-alkylated)-17-oxygenated-3-oxa-5a-androstan-2-ones and intermediates thereto. 3,282,962, 11–1–66, Cl. 260—343.2.

Pappo, Raphael, and C. Jung, to G. D. Searle & Co. 1,2-seco-A-nor-5-alpha-androstane-1,2,17-beta-triols, 17-alkylated-1,2-seco-A-nor-5-alpha-androstane-1,2,17-beta-triols and esters thereof. 3,293,284, 12–20–66, Cl. 260—488.

Paprocki, Stan J.: *See*—
Hill, Robert F., Paprocki, and Keller. 3,232,717.
Hill, Robert F., Paprocki, and Keller. 3,243,292.

Papst, Hermann. Ventilator. 3,229,897, 1–18–66, Cl. 230—117.

Papst, Hermann. Gear with hydraulic speed selection. 3,253,475, 5–31–66, Cl. 74—364.

Papst, Hermann. Combined fuel injection and ignition system for internal combustion engines. 3,256,833, 6–21–66, Cl. 103—154.

Paptzun, George J.: *See*—
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Papworth, Hugh P., to Crouse-Hinds Co. Explosion proof electrical connector operable upon engagement of plug and receptacle halves. 3,235,682, 2–15–66, Cl. 200—51.09.

Papworth, Thomas H. Aeration system for freight car. 3,289,565, 12–6–66, Cl. 98—6.

Paquette, Leo A., to The Upjohn Co. Dialkyl 2-azabicyclo [3.2.2]nono-6,8-diene-8,9-dicarboxylates. 3,239,505, 3–8–66, Cl. 260—239.

Paquette, Leo A., to The Upjohn Co. Chloro-thiabicycloalkane dioxides and process for their preparation. 3,251,841, 5–17–66, Cl. 260—247.1.

Paquette, Leo A., to The Upjohn Co. 2-azabicyclo [3.2.0] heptan-3-ones. 3,259,634, 7–5–66, Cl. 260—326.5.

Paquette, Leo A., to The Upjohn Co. 1-chloro-3,4-dihydro 2-naphthaldehyde oxime and ethers thereof. 3,262,975, 7–26–66, Cl. 260—566.

Paquette, Leo A., to The Upjohn Co. 1-(2-alkenyloxy) carbostyrils. 3,264,305, 8–2–66, Cl. 260—289.

Paquette, Leo A., to The Upjohn Co. 1-aralkoxycarbostyrils. 3,264,306, 8–2–66, Cl. 260—289.

Paquette, Leo A., to The Upjohn Co. Certain dihydro-2H-azepine compounds and their preparation. 3,267,092, 8–16–66, Cl. 260—239.

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Paquette, Leo A., to The Upjohn Co. 1,3 dihydro-2H-azepine-2-thiones. 3,281,413, 10–25–66, Cl. 260—239.3.

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Paquette, Leo A., to The Upjohn Co. Amidinohydrazones of 2-halo-1-cycloalkene-1-carboxaldehydes and salts thereof. 3,293,296, 12–20–66, Cl. 260—564.

Paquette, Raymond E.: *See*—
Keller, Charles H., and Paquette. 3,256,459.

Paquette, Raymond E., and C. H. Keller, to Pek Labs, Inc. Self-starting arc lamp. 3,274,427, 9–20–66, Cl. 314—34.

Paquette, Roland E. Spring check for loom parallel motion. 3,228,430, 1–11–66, Cl. 139—162.

Paquin, Maurice J.: *See*—
Romine, Glenn N., and Paquin. 3,232,465.
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Schroeder, George F., and Paradise. 3,250,905.

Paragamian, Vasken: *See*—
Mohrbacher, Richard J., and Paragamian. 3,287,370.

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De Podesta, Frank B., Innes, Burt, and Kullgren. 3,240,-167.

Paramatic Development Ltd.: *See*—
Haslehurst, Arthur K. 3,262,524.

Parametrics Research and Development Co., Inc.: *See*—
Humes, Harold L., Jr. 3,276,797.

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Davis, Francis A., Jr., and Flannery. 3,233,639.
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Court, Patrick R. J. 3,231,818.
Lawrence, Ernest O. Re. 26,035.
Parnes, Robert, Petro, and Raibourn. 3,243,645.

Paramount Textile Machinery Co.: *See*—
Horberg, Charles, Jr., and W. A. and H. Richter, 3,276,-644.

Paramythioti, Jean M., to Societe Anonyme des Anciens Etablissements Albaret. Equipment specially adapted for actuating consolidating or compacting rollers or like devices operating on sloping ground surfaces. 3,242,835, 3–29–66, Cl. 94—50.

Paramythioti, Jean M., to Societe Anonyme des Anciens Etablissements Albaret. Self-propelled compaction rollers. 3,291,014, 12–13–66, Cl. 94—50.

Parasacco, Giovanni, and G. Faraone, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Applying subbing layer onto olefin polymeric films by graft polymerization using ultra-violet radiation. 3,250,642, 5–10–66, Cl. 117—93.31.

Paraskevas, Anastasios J.: *See*—
Huntoon, Robert B., Consolazio, Paraskevas, Kalafatas, and Moses. 3,244,689.
Moses, Ronald E., Consolazio, and Paraskevas. 3,232,-924.

Paraskewik, William, to United States of America, Navy. Universal missile adapter. 3,262,664, 7–26–66, Cl. 248—119.

Parce, Arthur M. Catalog filing rack. 3,294,245, 12–27–66, Cl. 211—42.

Parce, Charles W. Air conditioning apparatus. 3,257,816, 6–28–66, Cl. 62—80.

Parcellas, Alan J.: *See*—
Daniels, Edward G., and Parcellas. 3,265,579.

Parcells, Alan J., to The Upjohn Co. Process for the purification of growth hormone. 3,264,186, 8–2–66, Cl. 167—74.

Pardee, Munson H.: *See*—
Caparrell, Frederick, Ayres, and Pardee. 3,240,567.

Pardee, William A.: *See*—
Gwynn, Bernard H., Pardee, and Ward. 3,246,024.

Pardo, Clay E., Jr.: *See*—
Lundgren, Harold P., and Pardo. 3,282,639.

Pardoe, Benjamin F.: *See*—
Mahler, William C., Christian, and Pardoe. 3,230,835.

Pardoe, Grace I.: *See*—
Stacey, Maurice, Barker, Pardoe, and Hopton. 3,259,-550.

Pardue, Edward. Spare fuel container for vehicles. 3,279,-523, 10–18–66, Cl. 158—46.5.

Pardun, Hermann, to Lever Bros. Co. Antispattering milk margarine and its preparation. 3,245,802, 4–12–66, Cl. 99—123.

Pare, Robert L., ½ to D. R. Black, Jr. Road expansion joint. 3,273,473, 9–20–66, Cl. 94—18.

Parechoc S.A.: *See*—
Loretan, Edouard. 3,258,047.
Matthey, Roger. 3,273,949.
Matthey, Roger. 3,278,245.

Parella, Alfred T., and G. R. Gagliardi, to Farrel Corp. Machine tool. 3,281,995, 11–1–66, Cl. 51—165.

Parent, Edward D., Jr., to Sylvania Electric Products Inc. Apparatus for rinsing electrophoretically coated articles. 3,227,167, 1–4–66, Cl. 134—109.

Parent, Gordon C. J., K. Luther, W. W. Bulgrin, and M. H. MacKusick, to The Firestone Tire & Rubber Co. Apparatus for producing welded disk wheels. 3,266,702, 8–16–66, Cl. 228—48.

Parent, John W.: *See*—
De Remer, James E., Herringshaw, and Parent. 3,237,-760.

Parenti, William C., to American Bosch Arma Corp. Apparatus for measuring the velocity of acoustical waves. 3,273,-111, 9–13–66, Cl. 340—5.

Pareto, Gianfranco: *See*—
Sironi, Giovanni, Testoni, Montessoro, Pareto, and Vanni. 3,249,422.

Parfitt, Norman L. C., to Cowlishaw Walker & Co. Ltd. Monorail vehicles. 3,265,014, 8–9–66, Cl. 105—30.

Parfomak, Walter: *See*—
Sano, Francis M., and Parfomak. 3,239,685.

Parham, Fred M., to E. I. du Pont de Nemours and Co. Polyesters of decahydronaphthalenedicarboxylic acid and dihydric phenols. 3,271,365, 9–6–66, Cl. 260—47.

Parham, Fred M., to E. I. du Pont de Nemours and Co. Decahydro-bis(hydroxymethyl)naphthalenes. 3,280,198, 10–18–66, Cl. 260—617.

Parham, O. D., to Hughes Aircraft Co. Current driver for core memory apparatus. 3,250,922, 5–10–66, Cl. 307—88.5.

Parilla, Arthur R. Incremental tube or vessel expander. 3,280,608, 10–25–66, Cl. 72—58.

Parillo, Edward V.: *See*—
Martyny, William C., and Parillo. 3,237,042.

Paris, August F. Garment conditioning apparatus. 3,254,-813, 6–7–66, Cl. 223—70.

Paris, Jean C. H. Device for mixing two fluid streams. 3,265,313, 8–9–66, Cl. 239—427.5.

Paris, Thomas H.: *See*—
Nitchie, Charles D., and Paris. 3,260,142.

Pariseau, Paul R., to Purex Corp., Ltd. Compositions and process for removal of radioactive contaminants. 3,255,-119, 6–7–66, Cl. 252—142.

Pariser, Rudolph, D. B. Pattison, and K. L. Seligman, to E. I. du Pont de Nemours and Co. Ethylene, lower alkyl vinyl sulfide copolymer. 3,265,672, 8–9–66, Cl. 260—79.7.

Parish, Clyde E., to Signal Oil and Gas Co. Dehydration of alcohols. 3,275,698, 9–27–66, Cl. 260—666.

Parish, Elmer C.: *See*—
Webster, Robert C., and Parish. 3,246,993.

Parish, Richard L., Jr., and H. F. Wheaton, to American Flange & Mfg. Co., Inc. Plastic pouring spouts and combinations. 3,235,146, 2–15–66, Cl. 222—479.

Parish, Robert K. Cup and tray set. 3,250,422, 5–10–66, Cl. 220—23.83.

Parish, Seth A., Jr.: *See*—
Morgan, Estes L., and Parish. 3,281,818.

Parisi, Frederico L.: *See*—
D'Amato, Dominic A., and Parisi. 3,277,693.
Elslager, Edward F., and Worth. 3,278,536.

Parisi, John A.: *See*—
Vogl, Norbert G., Jr., and Parisi. 3,271,749

Parisi, Michael J.: *See*—
Zurit, David, and Parisi. 3,279,493.

Park-Baker Electronic Development Corp.: *See*—
Park, Donald M. 3,253,077.

Park, Charles W.: *See*—
Anderson, Emmett R., and Park. 3,264,552.

Park, Charles W., to United States of America, Atomic Energy Commission. Compact high voltage transformer having more uniform equipotential line spacing. 3,265,998, 8–9–66, Cl. 336—70.

Park, Donald M., to The Seeburg Corp. Tempo control for electrical musical instruments. 3,243,494, 3–29–66, Cl. 84—1.03.

Park, Donald M., to Park-Baker Electronic Development Corp. Electrical musical instrument keying circuitry. 3,253,077, 5–24–66, Cl. 84—1.11.

Park, Donald M., to The Seeburg Corp. Automatic repetitive rhythm instrument timing circuitry. 3,255,292, 6–7–66, Cl. 84—1.03.

Park Electrochemical Corp.: *See*—
Chiesa, Anthony. 3,244,579.
Kend, David, and Chiesa. 3,264,159.

Park, George B. Plant shipping container. 3,284,949, 11–15–66, Cl. 47—34.11.

Park, Glenn S., to The Heil Co. Latch and tailgate operating mechanism for truck bodies. 3,272,552, 9–13–66, Cl. 296—56.

Park, James H., III, J. R. Redmon, and W. H. Leverett, to Maintenance Engineering Corp. Pipe ball transfer device. 3,246,666, 4–19–66, Cl. 137—268

Park, Jong C.: *See*—
Winstrom, Leon O., Becker, and Park. 3,246,036.

Park, Jong C., and L. O. Winstrom, to Allied Chemical Corp. Process or reducing the concentration of Mercury in hydrogen gas. 3,257,776, 6–28–66, Cl. 55—72.

Park National Bank of Newark, The: *See*—
Slayter, Games, Snow, Russell, and Kleist. 3,257,183.

Park, Robert C. and J. K. Dental chair. 3,250,568, 5–10–66, Cl. 297—327.

Park, Robert H. Means for maintaining stability of power transmission systems d notwithstanding a fault. 3,234,-397, 2–8–66, Cl. 307—86.

Park, Robert H. Closure for plastic containers. 3,255,925, 6–14–66, Cl. 222—107.

Park, Robert O., to Baker Oil Tools, Inc. Retrievable pump and anchor apparatus. 3,282,340, 11–1–66, Cl. 166—106.

Park, Ronald C., and A. H. Wilder, to Corning Glass Works. Glass article inspecting. 3,227,037, 1–4–66, Cl. 88—14.

Park, Vernon K.: *See*—
Hagemeyer, Hugh J., Jr., Park, and Robinson. 3,282,890.

Parke, Davis & Co.: *See*—
Berg, James R. 3,244,173.
Cablik, Jim C. 3,288,327.
Campbell, Alfred. 3,246,031.
Cavalla, John F., and Davoll. 3,256,297.
Creger, Paul L. 3,246,010.
Davoll, John. 3,264,284.
Devlin, Henry B., Haskell, and Fisher. 3,269,913.
De Wald, Horace A. 3,272,841.
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Elslager, Edward F., and Werbel. 3,285,905.
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Elslager, Edward F., and Worth. 3,244,716.
Elslager, Edward F., and Worth. 3,248,422.
Elslager, Edward F., and Worth. 3,264,296.
Elslager, Edward F., and Worth. 3,291,808.
Franklin, Charles S. 3,253,986.
L'Italien, Yvon J. 3,278,600.
L'Italien, Yvon J., and Campbell. 3,260,723.
McHugh, Dennis H. J., and Johnstone. 3,264,294.
Meyer, Robert F., and Cummings. 3,246,007.
Meyer, Robert F., and Cummings. 3,280,187.
Milosovich, George, Jr. 3,247,066.
Moersch, George W. 3,246,020.
Moersch, George W. 3,256,302.
Moersch, George W., and Morrow. 3,264,330.
Moersch, George W., and Morrow. 3,264,345.
Moersch, George W., and Neuklis. 3,235,575.
Moersch, George W., and Neuklis. 3,285,939.
Morrow, Duane F. 3,254,095.
Mottin, Ralph E. 3,272,308.
Nicolaides, Ernest D. 3,230,211.
Pearlman, William M. 3,239,563.
Scherrer, Robert A. 3,238,201.
Scherrer, Robert A., and Short. 3,278,584.
Srigley, Leland R., and Brown. 3,256,978.
Stevens, Calvin L. 3,254,124.
Vane, John R., and Collier. 3,282,959.

Parke, Franklin E. Magnetic conveyor. 3,263,796, 8–2–66, Cl. 198—41.

Parke, Harry G., to Marine Electric Corp. Battery condition indicator. 3,234,538, 2–8–66, Cl. 340—249.

Parke, Harry G., to Marine Electric Corp. Water purity metering systems. 3,235,469, 2–15–66, Cl. 203—2.

Parke, Harry G., to Marine Electric Corp. Method and apparatus for identifying wires. 3,252,087, 5–17–66, Cl. 324—66.

Parke, Harry G., to Marine Electric Corp. Radio navigation system providing a constant phase reference signal at any point on earth. 3,277,483, 10–4–66, Cl. 343—105.

Parke, Robert M., to General Electric Co. Inlet orifice for continuous casting apparatus. 3,264,692, 8–9–66, Cl. 22—57.2.

Parker Aircraft Co.: *See*—
Ragen, Robert W., and Rodaway. 3,285,065.

Parker, Alene M. Step walker. 3,280,831, 10–25–66, Cl. 135—49.

Parker, Alene M. Step stick walking aid. 3,289,685, 12–6–66, Cl. 135—45.

Parker, Alva D. Slush pump piston. 3,282,172, 11–1–66, Cl. 92—128.

Parker, Anthony H., and T. G. Burgess, to The De Haviland Aircraft Co. Ltd. Multi-directional shifting device. 3,289,-183, 11–29–66, Cl. 340—174.

Parker, Barbara J.: *See*—
Parker, John F. and B. J. 3,292,189.

Parker, Bernard, to General Precision Inc. Frusto-conical hydrodynamic gas bearing supported gyro. 3,242,742, 3–29–66, Cl. 74—5.

Parker, Bernard, J. C. Stiles, and L. Weisbord, to General Precision Inc. Two-axis viscous drive gyro. 3,283,594, 11–8–66, Cl. 74—5.46.

Parker Brothers, Inc.: *See*—
Sinden, Frank W. 3,278,187.

Parker, Carl D., and T. G. Wilson, to Sperry Rand Corp. Brushless D.C. motor. 3,286,147, 11–15–66, Cl. 318—138.

Parker, Carl L., to Malor Mfg. Inc. Tapping saddle for polyethylene cable. 3,284,109, 11–8–66, Cl. 285—197.

Parker, Carl L., to Malor Mfg. Inc. Ultrasonic leak locator. 3,280,465, 12–6–66, Cl. 73—40.5.

Parker, Charles A.: *See*—
Gang, Herman, and Parker. 3,233,080.

Parker, Charles A., to Kimball Systems, Inc. Tag aligner means. 3,249,353, 5–3–66, Cl. 271—10.

Parker, Charles A., to Kimball Systems, Inc. Tag stacking means. 3,249,355, 5–3–66, Cl. 271—68.

Parker, Charles A., to Kimball Systems, Inc. Tag separating devices having edge rifling means. 3,285,604, 11–15–66, Cl. 271—44.

Parker, Charles D.: *See*—
Skeels, Paul C., Parker, and Stark. 3,234,655.

Parker-Cramer Co.: *See*—
Black, Robert L., Jr. 3,251,175.

Parker, David E., and E. J. Parssinen, to United States of America, Navy. Reinforced ceramic cylindrical transducers. 3,230,505, 1–18–66, Cl. 340—10.

Parker, David I., and R. W. Bliss, to The Magnavox Co. Explosive device. 3,279,374, 10–18–66, Cl. 102—81.6.

Parker, Delbert R., and R. A. Kurz, to Westinghouse Electric Corp. Expulsion lightning arrester. 3,283,196, 11–1–66, Cl. 313—231.

Parker, Earl E.: *See*—
Wright, Francis M., and Parker. 3,256,133.

Parker, Edward A., and A. M. Weisberg, to Technic, Inc. Electrodeposition of palladium. 3,290,234, 12–6–66, Cl. 204—47.

Parker, Emery, to Carlisle Chemical Works, Inc. Halogen-containing resin stabilized with pentaerythritol phosphites. 3,245,926, 4–12–66, Cl. 260—23.

Parker, Ervin G., to The Quaker Oats Co. Dry roll-in pastry mix. 3,255,016, 6–7–66, Cl. 99—94.

Parker, Ewell E., Jr. Chamber carburetor. 3,279,770, 10–18–66, Cl. 261—36.

Parker, Frederick G.: *See*—
Burghoff, Henry L., Parker, and Mends. 3,253,910.
Sims, Ernest J. 3,247,601.

Parker, Frederick R., ½ to J. E. Johnson. Swimming doll. 3,247,613, 4–26–66, Cl. 46—92.

Parker, Frederick R., ½ to J. E. Johnson. Toy device for launching and intercepting rotary wing flying targets. 3,271,033, 9–6–66, Cl. 273—101.

Parker, George E., to Woodward Governor Co. Magnetically controlled valve. 3,272,234, 9–13–66, Cl. 137—625.65.

Parker, George F., and G. E. Slater, to Rockwell-Standard Corp. Corrugated filter element. 3,261,474, 7–19–66, Cl. 210—487.

Parker, George T., to Allied Chemical Corp. Sulfuryl chlorofluoride fumigant. 3,269,899, 8–30–66, Cl. 167—39.

Parker, Glen H. Stringed instrument protector. 3,251,258, 5–17–66, Cl. 84—453.

Parker, Graham A.: *See*—
Foster, Keith, and Parker. 3,292,370.

Parker, Grover C.: *See*—
Denker, Henry B., and Parker. 3,269,243.

Parker-Hannifin Corp.: *See*—
Bragg, Kenneth R. 3,287,034.
Carrell, Theoddre R. 3,231,289.
Cisco, Richard L., and Blanchard. 3,233,624.
Currie, William E. 3,265,413.
Currie, William E. 3,278,204.
Currie, William E. 3,287,033.

Parker-Hannifin Corp.: *See*—Continued
De Puy, Leland Q. 3,237,793.
Dilson, Frank R. 3,232,145.
Elbogen, James S., Seiler, and Lebow. 3,286,725.
Giovanazzi, John H., and Collins. 3,264,012.
Hajma, Louis G. 3,272,085.
Holt, Ralph R. 3,288,058.
Kscieski, Kazimierz T. 3,252,684.
Lanman, Robert W. 3,293,993.
Lansky, Zdenek J. 3,289,511.
Lansky, Zdenek J., and Bracki. 3,286,978.
Lansky, Zdenek J., and Leibfritz. 3,232,312.
Lansky, Zdenek J., and Leibfritz. 3,241,700.
Lansky, Zdenek J., and Leibfritz. 3,269,417.
Lebow, Ralph H. 3,269,404.
Lebow, Ralph H. 3,276,468.
Leibfritz, Kurt W., and Bracki. 3,286,797.
Madland, Rolf A., and Davis. 3,259,026.
Martin, George J. 3,237,531.
Martin, George J. 3,247,867.
Martin, George J. 3,285,282.
Papenguth, Richard P. 3,259,404.
Plumer, Mark J. 3,260,502.
Schmiel, Herbert H., and Zander. 3,251,309.
Schmohl, Leland H. 3,240,515.
Stacey, Hugh J. 3,233,525.
Stacey, Hugh J. 3,251,277.
Stacey, Hugh J. 3,262,467.
Stanley, John H. 3,232,159.
Stanley, John H. 3,252,172.
Stanley, John H. 3,276,235.
Stanley, John H., Currie, and DePuy. 3,233,924.
Wilson, Frank R. 3,237,301.

Parker, Harry A. Animal enclosure. 3,256,860, 6–21–66, Cl. 119—19.

Parker, Harry W.: *See*—
Marx, John W., and Parker. 3,238,175.

Parker, Harry W., to Phillips Petroleum Co. Drilling fluid. 3,247,108, 4–19–66, Cl. 252—8.5.

Parker, Harry W., to Phillips Petroleum Co. Natural gasoline conservation during in situ combustion. 3,254,711, 6–7–66, Cl. 166—7.

Parker, Harry W., to Phillips Petroleum Co. Removal of water blocks from oil and gas wells. 3,285,341, 11–15–66, Cl. 166—42.

Parker, Harry W., to Phillips Petroleum Co. Drilling mud test apparatus and process. 3,286,510, 11–22–66, Cl. 73—53.

Parker, Harry W., and C. J. Engle, to Phillips Petroleum Co. Process and apparatus for testing drilling mud characteristics. 3,289,467, 12–6–66, Cl. 73—61.4.

Parker, Henry M., and F. H. Field, to Magna American Corp. Multi-purpose power tool. 3,282,309, 11–1–66, Cl. 144—1.

Parker, Horace F.: *See*—
Frame, Alexander G., Parker, Stacey, and Riley. 3,271,263.
Stacey, John, Riley, and Parker. 3,280,001.

Parker, Hugh K., to Wallace & Tierman Inc. Method for treating farinaceous materials. 3,243,304, 3–29–66, Cl. 99—232.

Parker, James E. Retainer block and method of making. 3,244,489, 4–5–66, Cl. 29—190.

Parker, James E. Removable ball retainer block. 3,245,694, 4–12–66, Cl. 279—30.

Parker, John A., and R. Butterworth, to Armstrong Cork Co. Amide-containing polycarbonates. 3,251,806, 5–17–66, Cl. 260—47.

Parker, John F. and B. J. Adjustable reclining lounge. 3,292,189, 12–20–66, Cl. 5—327.

Parker, John H. Packaged door assembly. 3,239,978, 3–15–66, Cl. 52—211.

Parker, John M.: *See*—
Wasson, Burton K., and Parker. 3,259,637.
Wasson, Burton K., and Parker. 3,275,660.
Wasson, Burton K., and Parker. 3,277,090.

Parker, Kenneth B., Jr., and A. E. Paschkis, to Leeds & Northrup Co. Multiple point recorder system. 3,295,140, 12–27–66, Cl. 346—34.

Parker, Konrad, to Dow Corning Corp. Coating compositions comprising silicon and nitrogen-containing polymers and oil modified alkyd resins. 3,284,384, 11–8–66, Cl. 260—22.

Parker, Laura H.: *See*—
Parker, Leland C. 3,253,773.

Parker, Leland C., to General Motors Corp. Idle speed control. 3,253,772, 5–31–66, Cl. 230—9.

Parker, Leland C. (deceased): by L. H., administratrix, to General Motors Corp. Refrigerating apparatus. 3,253,773, 5–31–66, Cl. 230—9.

Parker, Leon O., to San Francisco Research Corp. Surgical adhesive tape and bandage. 3,232,291, 2–1–66, Cl. 128—156.

Parker, Leslie K., to Perkin-Elmer Ltd. Magnet assembly having thermal means to adjust the field strength thereof. 3,250,961, 5–10–66, Cl. 317—158.

Parker, Leslie K., to Perkin-Elmer Ltd. Magnet assemblies. 3,253,194, 5–24–66, Cl. 317—158.

Parker, Leslie R., and J. Garty, Jr., to Anderston Clyde Engineers Ltd. Climbing gantry crane. 3,259,250, 7–5–66, Cl. 212—13.

Parker, Levi C.: *See*—
Youngblood, Douglas J., Oosterhout, and Parker. 3,228,873.

Parker, Louis R.: *See*—
Conrad, Rex E., Parker, and Rushing. 3,277,839.

Parker, Louis W., to Sensitivity adjustment shunts for compensating for production variations in electrical indicating instruments. 3,229,208, 1–11–66, Cl. 324—126.

Parker, Louis W. Axial airgap machines and improved cooling system therefor. 3,277,323, 10–4–66, Cl. 310—61.

Parker Mfg. Co.: *See*—
Johnson, Oscar H. 3,275,212.

Parker, Melvin J.: *See*—
Schreter, Robert E., and Parker. 3,254,846.
Schreter, Robert E., Turpin, and Parker. 3,261,008.

Parker Metal Goods Co.: *See*—
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Parker, Mitchell, W. H. McDaniel, and J. B. Gantt, to Gator Chaps, Inc. Protective legging. 3,269,036, 8–30–66, Cl. 36—2.

Parker, Norman F., to North American Aviation, Inc. Alternate drive system of reversing gyroscopes on a stable platform. 3,282,118, 11–1–66, Cl. 74—5.34.

Parker, Norman S.: *See*—
De Neergaard, Leif E. 3,230,827.
De Neergaard, Leif E. 3,231,882.

Parker, Otis J.: *See*—
Salmirs, Seymour, and Parker. 3,286,630.

Parker, Owen H.: *See*—
Best, Ronald F., and Parker. 3,242,884.

Parker, Paul T., to Esso Research and Engineering Co. Chlorosulfonate catalysts for polymerization. 3,242,147, 3–22–66, Cl. 260—80.7.

Parker Pen Co., The: *See*—
Dehlsen, James G. P. 3,274,975.
Green, Homer T. 3,247,303.
Meinhardt, Francis J. 3,232,279.
Sonntag, Clemens A. 3,237,606.
Ryan, Robert G. 3,261,326.
Thurman, Richard L., and Coutre. 3,273,541.

Parker, Richard J.: *See*—
Zaretsky, Erwin V., Parker, and Anderson. 3,262,186.

Parker, Rienzi B., and B. V. Mokler. Vesicular materials and the use of such to produce photographic reproductions. 3,251,690, 5–17–66, Cl. 96—49.

Parker, Robert L., and R. D. Hodges, to Texas Sesame Growers, Inc. Shock gathering attachment for a combine. 3,226,919, 1–4–66, Cl. 56—27.

Parker, Robert S. R., and P. Taylor, to Pneumatiques, Coautchouc Manufacture et Plastiques Kleber Colombes. Rigid or semi-rigid cellular materials. 3,277,028, 10–4–66, Cl. 260—2.5.

Parker, Robert W., to Parker White Metal Co. Die casting machine. 3,270,377, 9–6–66, Cl. 22—68.

Parker, Roger K.: *See*—
McGee, Leonard L., and Parker. 3,260,655.

Parker, Roy, III. Protection device for plural phase electrical loads consisting of a plurality of monitoring relays controlling the energization of the load. 3,260,897, 7–12–66, Cl. 317—46.

Parker, Roy A. Monitoring system for fuel dispensing apparatus. 3,236,415, 2–22–66, Cl. 222—25.

Parker, Russell H. R., to J. Evans & Sons (Portsmouth) Ltd. Apparatus for operating on brush stocks. 3,279,858, 10–18–66, Cl. 300—11.

Parker, Sidney A., to Lennox Industries, Inc. Refrigerant compressor. 3,229,901, 1–18–66, Cl. 230—206.

Parker, Sidney A., to Lennox Industries Inc. Refrigerant compressor lubrication arrangement. 3,248,044, 4–26–66, Cl. 230—206.

Parker, Sidney A., to Lennox Industries Inc. Hermetic compressor assembly. 3,250,461, 5–10–66, Cl. 230—232.

Parker, Sidney A., to Lennox Industries Inc. Compressor lubrication arrangement. 3,253,776, 5–31–66, Cl. 230—206.

Parker, Sidney A., to Lennox Industries Inc. Refrigerant compressor control. 3,272,426, 9–13–66, Cl. 230—31.

Parker, Sidney A., to Lennox Industries Inc. Device for detecting compressor discharge gas temperature. 3,278,111, 10–11–66, Cl. 230—17.

Parker, Sidney G., and I. Trachtenberg, to Texas Instruments Inc. Fuel cell system and method of operating it. 3,266,938, 8–16–66, Cl. 136—86.

Parker, Warren H., to Motorola, Inc. Semiconductor device. 3,275,904, 9–27–66, Cl. 317—234.

Parker, Wesley A., and J. E. Tate, to Monsanto Co. Apparatus for continuously polycondensing polymethylene glycol esters of aromatic dicarboxylic acids. 3,241,926, 3–22–66, Cl. 23—283.

Parker, Wesley H., to Inspiration Consolidated Copper Co. Up-grading cement copper. 3,282,675, 11–1–66, Cl. 75—.5.

Parker White Metal Co.: *See*—
Parker, Robert W. 3,270,377.

Parker, William B., to McGraw-Edison Co. Weighing apparatus. 3,227,231, 1–4–66, Cl. 177—2.

Parker, William D., ½ to R. M. Ramsey. Holiday detector. 3,259,893, 7–5–66, Cl. 340—248.

Parker, William E.: *See*—
Rigsby, Francis L., and Parker. 3,231,384.

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Parkin, Ernest M., to Eastman Kodak Co. Additives to reduce curl in paper. 3,227,578, 1–4–66, Cl. 117—154.

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Parkin, Peter S., to Socony Mobil Oil Co., Inc. Hydrocarbon conversion process and apparatus useful therefor. 3,238,121, 3–1–66, Cl. 208—165.

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Parkinson, Robert C., G. J. Brown, and A. A. Zuehlke, to Bourns, Inc. Miniature accelerometer. 3,263,504, 8–2–66, Cl. 73—515.

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Parkinson, Thomas F., G. R. Dalton, D. J. Blair, and M. J. Driscoll. Reactor control system. 3,228,847, 1–11–66, Cl. 176—35.

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Parks, George U., Jr., S. C. Shuford, and P. T. Heyl, to United Shoe Machinery Corp. Harmonic drive bearings. 3,285,099, 11–15–66, Cl. 74—640.

Parks, James C., Jr., to Monsanto Co. Vaporizer for a process gas analyzer. 3,245,250, 4–12–66, Cl. 73—23.

Parks, James M. Internal wrench. 3,276,297, 10–4–66, Cl. 81—72.

Parks, Jerry K., to Lockheed Aircraft Corp. Correlation device. 3,270,315, 8–30–66, Cl. 340—3.

Parks, Jerry T., to Wagner Electric Corp. Friction device. 3,279,570, 10–18–66, Cl. 188—206.

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Parks, Robert F., to Steel Heddle Mfg. Co. Textile loom reed. 3,276,485, 10–4–66, Cl. 139—192.

Parks, Robert M., to Robert M. Parks Co., Inc. Rectifier unit. 3,255,399, 6–7–66, Cl. 321—8.

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Parks, Robert M. 3,255,399.

Parks, Robert R., to General Motors Corp. Switch actuator responsive to direction of shaft rotation. 3,233,053, 2–1–66, Cl. 200—61.39.

Parks, Samuel T., and L. E. Levasseur, to Cardiosonics Medical Instruments Corp. Cutting device with anvil presser being pivotally arranged at both ends. 3,261,250, 7–19–66, Cl. 83—557.

Parks, Vernon H., Jr., to Western Electric Co., Inc. Code signal sender with memory storage facilities. 3,243,799, 3–29–66, Cl. 340—353.

Parks, Walter J., deceased, by R. L. Baker, executor, to W. S. Taylor Inc. Double wedge ring adjustment means. 3,238,799, 3–8–66, Cl. 74—87.

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Parks, William W., and W. J. Holman, to Vapor Corp. Automatic cooling effect controller. 3,237,861, 3–1–66, Cl. 236—13.

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Parman, Henry O., to Electrolux Corp. Disposable vacuum cleaner dust containers. 3,274,758, 9–27–66, Cl. 55—279.

Parmann, Edwin A., and J. F. Marquis, to Furnas Electric Co. Pressure switch. 3,236,963, 2–22–66, Cl. 200—67.

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Parmater, Lee W., to Kal-Equip Co., Inc. R.P.M. dwell angle and point resistance tester. 3,275,932, 9–27–66, Cl. 324—16.

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Parmelee, Theron C. Folding saw table. 3,229,735, 1–18–66, Cl. 143—132.

Parmelee, William H. Windshield spraying device. 3,253,786, 5–31–66, Cl. 239—284.

Parmenter, Morgan D. Examination paper. 3,266,049, 8–9–66, Cl. 35—48.

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Parmentier, Alfred H., to UCB (Union Chimique-Chemische Bedrijven) S.A. Filter with a horizontal rotating table. 3,262,574, 7–26–66, Cl. 210—393.

Parmley, Richard T., to General Dynamics Corp. Space vehicle insulation. 3,285,460, 11–15–66, Cl. 220—9.

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Street, Leslie J., and Moult. 3,235,249.

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Parnell, Edgar W., to May & Baker Ltd. Imidazole derivatives. 3,236,856, 2–22–66, Cl. 260—309.

Parnell, John E., to E. I. du Pont de Nemours and Co. Polymer finishing apparatus. 3,257,173, 6–21–66, Cl. 23—285.

Parnes, Robert, J. Petro, and P. Raibourn, to Paramount Pictures Corp. Post deflection focusing cathode ray tube for color television images of high brightness and low raster distortion. 3,243,645, 3–29–66, Cl. 315—15.

Parnock, Robert F., and D. A. Hogan, to Newton Insert Co. Threaded element installation tool. 3,290,968, 12–13–66, Cl. 81—53.

Paro, Fern T. Extensible sun visor. 3,282,623, 11–1–66, Cl. 296—97.

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Parone, Anthony D., and J. F. McAuliffe, to Pratt & Whitney, Inc. Drill. 3,237,488, 3–1–66, Cl. 77—70.

Parosh, William R., to Swift & Co. Removal of fluorine compounds from phosphoric acid. 3,273,713, 9–20–66, Cl. 23—153.

Parr, Edward A., ½ to C. X. Boyle, and ½ to D. G. Williams. Shoe for automatic nailing machine. 3,260,437, 7–12–66, Cl. 227—149.

Parr, Edward L. Pump actuated by ocean swells. 3,274,941, 9–27–66, Cl. 103—68.

Parr, Edward L., to W. L. Thompson. Concrete mixer. 3,286,996, 11–22–66, Cl. 259—177.

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Parr, James C. Pilot light cap. 3,263,733, 8–2–66, Cl. 158—115.

Parr, James R., to The New York Air Brake Co. Fluid pressure operated valve for hydraulic device. 3,227,181, 1–4–66, Cl. 137—625.66.

Parr, James R., to The New York Air Brake Co. Hydraulic device. 3,252,426, 5–24–66, Cl. 103—162.

Parr, William G.: *See*—
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Parr, William G., and F. A. Smith, to British Nylon Spinners Ltd. Melt-spinning apparatus with oppositely directed inert gas streams. 3,242,529, 3–29–66, Cl. 18—8.

Parrack, Alvin L., and J. L. Hudson, to Texaco Inc. Seismic reflection amplifier. 3,246,720, 4–19–66, Cl. 181—.5.

Parrack, Alvin L., and S. A. Stubblefield, to Texaco Inc. Seismic acceleration detector. 3,289,155, 11–29–66, Cl. 340—17.

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Parrent, George B., Jr.: *See*—
Masters, Joseph I., and Parrent.

Parrette, Richard L.: *See*—
Klager, Karl, Geckler, and Parrette.

Parri, Idwal W. Automatic flushing device. 3,239,847, 3–15–66, Cl. 4—19.

Parrilli, Ralph E., to General Precision, Inc. Electrical conductor connections. 3,259,685, 7–5–66, Cl. 174—68.5.

Parrino, Leonard D., to Bell Aerospace Corp. Control device and spring therefor. 3,258,029, 6–28–66, Cl. 137—508.

Parris, Joe W., to Lockheed Aircraft Corp. Shutters for oscillograph recorders. 3,284,803, 11–8–66, Cl. 346—109.

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Parris, Thomas, Jr., to Square D Co. Locking means for electromagnetic relays. 3,231,791, 1–25–66, Cl. 317—187.

Parris, Thomas, Jr., to Square D Co. Switch operating mechanism. 3,244,015, 4–5–66, Cl. 74—107.

Parris, Thomas, Jr., to Square D Co. Operating mechanism. 3,257,856, 6–28–66, Cl. 74—107.

Parrish, David R., to Pan American Petroleum Corp. Underground combustion process. 3,239,405, 3–8–66, Cl. 166—11.

Parrish, David R., to Pan American Petroleum Corp. Flooding process for recovery of oil. 3,244,228, 4–5–66, Cl. 166—9.

Parrish, David R., to Pan American Petroleum Corp. Procedure for igniting thick, carbonaceous formations. 3,258,073, 6–28–66, Cl. 166—11.

Parrish, Edward W., and A. G. Barows, to International Harvester Co. Flail for beets and the like. 3,227,223, 1–4–66, Cl. 171—58.

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Parrish, Frank W.: *See*—
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Parrish, Frank W., to International Rectifier Corp. Counter E.M.F. speed control system. 3,293,524, 12–20–66, Cl. 318—331.

Parrish, Joseph R., to Autoplot Ltd. Position plotting apparatus for use in conjunction with radar. 3,268,907, 8–23–66, Cl. 346—8.

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Parrish, Robert G., to E. I. du Pont de Nemours and Co. Method for making a collapsed ultra-microcellular structure. 3,277,221, 10–4–66, Cl. 264—53.

Parrish, Theodore S., 40% to W. B. Sprague. Combination application brush and dispenser. 3,228,057, 1–11–66, Cl. 15—552.

Parrish, William F., J. W. Dzimianski, and G. E. Sanner, to Westinghouse Electric Corp. System for cancellation of background information and signals resulting from non-homogeneity characteristics of a thermal imagery tube. 3,258,529, 6–28–66, Cl. 178—6.8.

Parrott, Clarence F. Hand pump. 3,261,299, 7–19–66, Cl. 103—188.

Parrott, Henry W., to Stewart-Warner Corp. Chair control. 3,250,567, 5–10–66, Cl. 297—304.

Parrott, Lilbourn L.: *See*—
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Parrott, Orville C., to American Air Filter Co., Inc. Spindle and roll core assembly for air filter apparatus. 3,280,539, 10–25–66, Cl. 55—354.

Parry, Allan D., and W. H. Riley, Jr., to Prismo Safety Corp. Method of producing dual message signs. 3,247,005, 4–19–66, Cl. 117—25.

Parry, Robert D. Stick-type fertilizer and applicator. 3,290,821, 12–13–66, Cl. 47—48.5.

Parsell, Justin N.: *See*—
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Parsen, Edward M. Hydraulic interlock mechanism on back hoe. 3,282,452, 11–1–66, Cl. 214—138.

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Parsi, Edgardo J., to Ionics, Inc. Removal of weakly basic substances from solution by electrodeionization. 3,291,713, 12–13–66, Cl. 204—180.

Parsi, Edgardo J., and A. Szczur, Jr., to Ionics, Inc. Stable lead anodes. 3,284,333, 11–8–66, Cl. 204—292.

Parson, Edward O. Water purification distillation apparatus. 3,278,396, 10–11–66, Cl. 202—190.

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Parsons, Billie D. Detachable heat shield for exhaust muffler. 3,237,116, 3–1–66, Cl. 181—72.

Parsons, Burton, Chemicals, Inc.: *See*—
Rankin, Billy F.

Parsons, C. A., & Co. Ltd.: *See*—
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Lindley, Bryan C.
Lindley, Bryan C., and Crampton.
Ritz, Heinrich H. L., and Elliott.
Ritz, Hugo H. L.
Smart, Desmond.

Parsons, Charles G., and W. H. Pittman, to Diamond Alkali Co. Process for the production of civetone and homologues. 3,235,601, 2–15–66, Cl. 260—586.

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Brownlee, Winston E., and Ritchey.
Parsons, John T.

Parsons, David G.: *See*—
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Parsons, Eleanor: *See*—
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Parsons, Fred E., to T. E. Parsons Corp. Fluid and vehicle propelling device. 3,248,876, 5–3–66, Cl. 60—35.54.

Parsons, Fred E. Fluid and venicle propelling device. 3,249,058, 5–3–66, Cl. 103—88.

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Parsons, Frederick L. Screw vane pump. 3,274,944, 9–27–66, Cl. 103—130.

Parsons, John T., to Parsons Corp. Shock-resistant shipping envelope for large, thin-walled tubes and the like. 3,265,199, 8–9–66, Cl. 206—46.

Parsons, Joseph R., to Chicago Fire Brick Co. Power press process for forming lightweight refractory articles; and articles so made. 3,264,380, 8–2–66, Cl. 264—43.

Parsons, Lawton H.: *See*—
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Parsons, Marshall F. Down draft vertical kiln system. 3,285,590, 11–15–66, Cl. 263—29.

Parsons, Pearce E. Toilet compartment. 3,242,619, 3–29–66, Cl. 52—64.

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Parsons, Raymond E., to E. I. du Pont de Nemours and Co. Process for the preparation of perfluorocarbon iodides. 3,234,294, 2–8–66, Cl. 260—653.1.

Parsons, Raymond E., to E. I. du Pont de Nemours and Co. Process for the production of perfluoroethyliodide. 3,283,020, 11–1–66, Cl. 260—653.

Parsons, Richard L., to Chevron Research Co. Method of improving fluid flow in wells. 3,259,190, 7–5–66, Cl. 166—42.

Parsons, Richard S.: *See*—
Buschman, Francis X., and Parsons.

Parsons, Robert J., to Sperry Rand Corp. Multiple range systems for altimeters. 3,245,253, 4–12–66, Cl. 73—178.

Parsons, Robert W., Jr.: *See*—
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Parsons, Seth T., Jr., 25% to R. L. Buechler. Portable toilet kit. 3,251,637, 5–17–66, Cl. 312—227.

Parsons, Stuart L., to AMP Inc. Compressing device. 3,266,286, 8–16–66, Cl. 72—413.

Parsons, T. E., Corp.: *See*—
Parsons, Fred E.

Parsons, William F.: *See*—
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Parsons, William S.: *See*—
Garstang, William W., Wolff, and Parsons.

Parssinen, Edwin J.: *See*—
Fitzgerald, James W., Parssinen, Serotta, and White.
Parker, David E., and Parssinen.

Parstorfer, John, to Burroughs Corp. Electrical receptacle. 3,227,927, 1–4–66, Cl. 317—101.

Parstorfer, John, to Burroughs Corp. Electromagnetic transducer with twisted wire core. 3,243,519, 3–29–66, Cl. 179—100.2.

Parstorfer, John, to Burroughs Corp. Display assembly. 3,251,477, 5–17–66, Cl. 211—169.

Parstorfer, John, to Burroughs Corp. Electrical module with means for dissipating heat. 3,259,804, 7–5–66, Cl. 317—100.

Parstorfer, John, and E. O. Sprude, to Burroughs Corp. Electrical network assemblies. 3,227,926, 1–4–66, Cl. 317—101.

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Partansky, Alexander M., to The Dow Chemical Co. Self-extinguishing epoxy oleoresinous compositions. 3,239,476, 3–8–66, Cl. 260—19.

Partansky, Alexander M., to The Dow Chemical Co. Fire resistant modified epoxy novolac resins and laminae bonded with same. 3,252,850, 5–24–66, Cl. 161—185.

Partansky, Alexander M., to The Dow Chemical Co. Self extinguishing epoxy resin containing a halogenated polynuclear phenol and a hardening agent. 3,280,216, 10–18–66, Cl. 260—831.

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Parthum, Richard, to The Singer Co. Yarn controls means for circular knitting machines. 3,257,829, 6–28–66, Cl. 66—134.

Partin, Earl E. Self-loading logger. 3,231,119, 1–25–66, Cl. 214—396.

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Partiot, Maurice. Deep combustion radiant elements. 3,291,188, 12–13–66, Cl. 158—116.

Partner, Aktiebolaget: *See*—
Landqvist, Nils D.
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Partridge, Alan H.: *See*—
Hughes, Herbert D., Lewis, and Partridge.

Partridge, Dick W., to The Goodyear Tire & Rubber Co. Main gear skid. 3,276,728, 10–4–66, Cl. 244—108.

Partridge, Donald E., to Universal Steel Strapping, Inc. Splicing machine. 3,241,579, 3–22–66, Cl. 140—93.2.

Partridge, George A. Reactively loaded broadband antenna for use in the 10 through 160 meter bands. 3,274,600, 9–20–66, Cl. 343—749.

Parts, Leo P., to Monsanto Research Corp. Preparation of diimidazol-lyl derivatives of phosphine oxide. 3,227,728, 1–4–66, Cl. 260—309.

Parts, Leo P., and M. L. Nielsen, to Monsanto Research Corp. Heterocyclic polymers of diazadiphosphetidine dioxide units. 3,290,259, 12–6–66, Cl. 260—2.

Parts, Leo P., M. L. Nielsen, and R. Z. Greenley, to Monsanto Research Corp. Method of preparing polymeric heterocyclic amides. 3,294,708, 12–27–66, Cl. 260—2.

Partyka, Richard A., to Bristol-Myers Co. Substituted carbamates of pyridine 2,6-dimethanethiols. 3,290,319, 12–6–66, Cl. 260—294.8.

Parvi, Ludovic, to Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieres Electriques d'Ugine. Process of preparing and purifying octochlorodihydroxydiphenyl. 3,243,464, 3–29–66, Cl. 260—620.

Par-Way Mfg. Co.: *See*—
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Beaman, Norman V.

Pascal, Edward E., to Northern Electric Co. Ltd. Remote volume control. 3,231,755, 1–25–66, Cl. 307—88.5.

Pascale, Donald A., to E. I. du Pont de Nemours and Co. Interpolymers containing units from a monocarboxylic half ester of an α,β-ethylenically unsaturated, α,β-dicarboxylic acid and coating compositions formulated with these interpolymers. 3,278,469, 10–11–66, Cl. 260—21.

Pascard, Roger: *See*—
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Pascard, Roger, to Commissariat a l'Energie Atomique. Process of fabrication of sintered compounds based on uranium and plutonium. 3,275,564, 9–27–66, Cl. 252—301.1.

Paschedag, Hans J., to Patent-Treuhand-Gesellschaft fur elektrische Gluhlampen m.b.H. Tubular incandescent lamp. 3,264,516, 8–2–66, Cl. 315—74.

Pascher, Ingo: *See*—
Kemmetmuller, Roland, Markow, and Pascher.

Paschke, Eberhard: *See*—
Albert, Walter, Bohn, Oberst, Paschke, and Pfister.

Paschke, Hanns-Dieter, to NSU Motorenwerke Aktiengesellschaft, and Wankel G.m.b.H. Sealing construction for rotary mechanisms. 3,251,541, 5–17–66, Cl. 230—145.

Paschke, Hanns-Dieter, to NSU Motorenwerke Aktiengesellschaft and Wankel G.m.b.H. Lubricating sealing structure for rotary mechanisms. 3,261,334, 7–19–66, Cl. 123—8.

Paschke, Hanns-Dieter, to NSU Motorenwerke Aktiengesellschaft. Rotary internal combustion engine. 3,265,046, 8–9–66, Cl. 123—8.

Paschke, Hanns-Dieter, and G. Hoffmann, to NSU Motorenwerke Aktiengesellschaft and Wankel G.m.b.H. Rotor cooling means for rotary mechanism. 3,269,370, 8–30–66, Cl. 123—8.

Paschke, Karl, R. Katz, and W. Lotz, to Quarzlampen Gesellschaft m.b.H. Illuminating device for operating rooms. 3,240,925, 3–15–66, Cl. 240—1.4.

Paschkis, Albert E.: *See*—
Parker, Kenneth B., Jr., and Paschkis.

Pasciuto, Richard D.: *See*—
Barbagallo, Charles J., and Pasciuto.
Oliari, Louis G., and Pasciuto.

Pasco, Inc.: *See*—
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Pascucci, Ernest and J., to The Miller Co. Releasable latch for doors. 3,294,432, 12–27–66, Cl. 292—122.

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Pascucci, Ernest and J.

Pascucci, Julio A., to The Miller Co. Reflector socket mount for lighting fixtures. 3,294,967, 12–27–66, Cl. 240—78.

Pasculle, Maurice J., to Westinghouse Electric Corp. Compound direct current motor including an armature reaction speed control winding. 3,252,068, 5–17–66, Cl. 318—252.

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Natta, Giulio, Pasquon, and Zambelli.

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Patton, Edward L., and R. D. Lundahl, to Shell Oil Co. Process for treating fibrous materials and resulting products. 3,271,101, 9–6–66, Cl. 8—120.

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Patton, Roy A., Jr. Mechanism for use in conjunction with the intake opening of a water jet propelled hydrofoil vehicle. 3,285,214, 11–15–66, Cl. 114—66.5.

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Paul, George D., to Sargent & Greenleaf, Inc. Tumbler wheels for combination locks. 3,254,519, 6–7–66, Cl. 70—323.

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Paul, Philip T., to United States Rubber Co. Adhering textile materials to rubber. 3,281,311, 10–25–66, Cl. 161—241.

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Paymal, Jean, to Compagnie de Saint-Gobain. Method of producing in a glass article stresess heterogeneously distributed. 3,258,352, 6–28–66, Cl. 106—54.

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Peacock, Dixon W., to Phillips Petroleum Co. Process for treating earth formations to be relatively impermeable to formation water. 3,291,212, 12–13–66, Cl. 166—32.

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Blocher, John M., Jr., and Pearson. 3,234,007.

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Pendleton, Robert A., to Honeywell Inc. Reel support. 3,272,451, 9–13–66, Cl. 242—68.3.

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Perkins, Charles W., to Hosiery Equipment Ltd. Knitting of tubular fabric. 3,282,070, 11–1–66, Cl. 66—147.

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Perma-Line Mfg. Corp. of America: *See*—
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Permanent Filter Corp.: *See*—
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Permanent Tank Bottom Co., Inc.: *See*—
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Perna, Giuliano N. Method for reflecting and refraction seismic prospections. 3,282,370, 11–1–66, Cl. 181—.5.

Pernas, Victor V., and M. C. Virgos. Process and device for the manufacture of punched sheets. 3,286,564, 11–22–66, Cl. 83—24.

Pernula, Milton J.: *See*—
Lewis, Frederick W., Meyer, and Pernula. 3,233,048.

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Peron, Umberto: *See*—
Borsini, Giancarlo, Ragazzini, and Peron. 3,255,168.

Perotto, Pier G., to Ing. C. Olivetti & Co., S.p.A. Document sorter. 3,270,882, 9–6–66, Cl. 209—74.

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Meresz, Henryk W., and Perpignani. 3,282,466.

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Halter, Allan C., McMath, and Perrault. 3,269,160.
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Perrault, Ralph E., A. C. Halter, and P. L. McMath, to Allis-Chalmers Mfg. Co. Automatic gauge control with manual adjustment. 3,287,946, 11–29–66, Cl. 72—8.

Perren, Archie L., E. F. Mokersky, and M. J. Shepard, to Rockwell-Standard Corp. Wire uncoiling apparatus. 3,270,981, 9–6–66, Cl. 242—128.

Perret, Georges. Method of laying immersed pipe lines. 3,262,275, 7–26–66, Cl. 61—72.3.

Perret, Jean C. A.: *See*—
Roche, Yves M. B., and Perret. 3,254,496.

Perret, Marcel A., and J. R. McMahan, to Chas. Pfizer & Co., Inc. Beef-type flavoring compositions, soup and gravy. 3,271,167, 9–6–66, Cl. 99—140.

Perretta, Michael L., to Crouse-Hinds Co. Grounding and indicating device. 3,290,668, 12–6–66, Cl. 340—255.

Perri, John A., and J. Riseman, to International Business Machines Corp. Coated objects and methods of providing the protective coverings therefor. 3,247,428, 4–19–66, Cl. 317—234.

Perrier, Guido-Edgar: *See*—
Vachet, Pierre, and Perrier. 3,287,185.

Perrier, Louis E.: *See*—
Joyner, Richard S., and Perrier. 3,272,789.

Perrin, Eugene M.: *See*—
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Perrin, Herve, to Technique Integrale, Societe Anonyme. Method of manufacturing worm-and-nut devices. 3,226,809, 1–4–66, Cl. 29—159.2.

Perrin, Howard W., and J. D. Sine, said Sine assor. to Honeywell Inc. Disposable immersion-type thermocouple. 3,288,654, 11–29–66, Cl. 136—234.

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Perrin, William E. Exercising apparatus. 3,256,015, 6–14–66, Cl. 272—80.

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Perrine, Sterling O., to The Wean Engineering Co., Inc. Apparatus for controlling the tension in a strip advancing continuously in a strip processing line. 3,227,347, 1–4–66, Cl. 226—195.

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Perrins, Allen R., to The Superior Electric Co. Adjustable power regulator. 3,238,444, 3–1–66, Cl. 323—66.

Perrins, Allen R., to The Superior Electric Co. Power control circuit. 3,243,689. 3–29–66, Cl. 323—22.

Perrins, Allen R., to The Superior Electric Co. Power regulating circuit. 3,281,652, 10–25–66, Cl. 323—19.

Perrins, Allen R., to The Superior Electric Co. Automatic voltage regulator. 3,295,053, 12–27–66, Cl. 323—22.

Perrins, Lyle E.: *See*—
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Perrone, James V. Hydraulic cushion and return device for dies. 3,252,698. 5–24–66, Cl. 267—1.

Perrone, Rosario J., and M. V. Reynolds, to Anaconda Wire and Cable Co. Method of shrinking tubing. 3,249,671, 5–3–66, Cl. 264—209.

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Bertin, Daniel, Nedelec, and Perronnet. 3,272,708.
Bertin, Daniel, and Perronnet. 3,264,322.
Bertin, Daniel, and Perronnet. 3,271,391.
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Perrot, Arnold. Mounting for receiving objects to be framed. 3,284,939, 11–15–66, Cl. 40—152.

Perrot-Audet, Charles, to Perrot-Audet, Etablissements. Clockwork balance having an adjustable momentum of inertia. 3,262,260, 7–26–66, Cl. 58—107.

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Perrotti, Emilio, and S. Del Ross, to SNAM S.p.A. Lubricants containing zinc dithiophosphates. 3,290,246, 12–6–66, Cl. 252—32.7.

Perruca, Felix, to Societe des Fabrications Unicum. Devices for regulating transmission gears. 3,292,443, 12–20–66, Cl. 74—200.

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Perry, David P., to International Telephone and Telegraph Corp. Skew elimination system utilizing a plurality of buffer shift registers. 3,281,805, 10–25–66, Cl. 340—174.1.

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Perry, Donald D., and M. S. Cohen, to Thiokol Chemical Corp. Acetylenic epoxy amino compounds and method of making the same. 3,257,250, 6–21–66, Cl. 149—109.

Perry, Donald S., to Eltra Corp. Plug type motor binding post. 3,283,186, 11–1–66, Cl. 310—71.

Perry, Dunman, Jr., to Perry Equipment Corp. Multiphase fluid separation. 3,228,174, 1–11–66, Cl. 55—45.

Perry, Edward G., Jr., and K. A. Cook, to Sperry Rand Corp. Simplified printing recorder. 3,236,177, 2–22–66, Cl. 101—269.

Perry, Eli: *See*—
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Perry, Eli, to Monsanto Co. Stabilization of polyaldehydes with triarylphosphines. 3,248,362, 4–26–66, Cl. 260—45.7.

Perry, Eli, to Monsanto Co. Stabilization of polyaldehydes with quinoline compounds. 3,262,906, 7–26–66, Cl. 260—45.8.

Perry, Eli, to Monsanto Co. Stabilization of polyaldehydes with benzothiazole and derivatives thereof. 3,262,907, 7–26–66, Cl. 260—45.8.

Perry, Eli, to Monsanto Co. Stabilized polypropionaldehyde containing triphenylphosphine and dilauryl thiodipropionate as stabilizers. 3,262,910, 7–26–66, Cl. 260—45.85.

Perry, Eli, to Monsanto Co. Polyaldehyde compositions containing a monoaminonaphthalene and a trialkyl phosphite. 3,267,068, 8–16–66, Cl. 260—45.9.

Perry, Eli, to Monsanto Co. Polymerization process using chain-transfer agents. 3,272,786, 9–13–66, Cl. 260—88.7.

Perry, Eli, to Monsanto Co. Stabilization of polyaldehydes with trialkyl phosphites. 3,293,207, 12–20–66, Cl. 260—45.7.

Perry, Elijah R., to Allis-Chalmers Mfg. Co. Mechanical actuator with permanent magnet. 3,253,098, 5–24–66, Cl. 200—87.

Perry, Elijah R., and W. E. Harper, to Allis-Chalmers Mfg. Co. Synchronous switching system. 3,243,610, 3–29–66, Cl. 307—133.

Perry, Elijah R., and J. Durecka, to Allis-Chalmers Mfg. Co. Control circuit for operating circuit interrupter at a zero current point in system wave form. 3,265,933, 8–9–66, Cl. 317—11.

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Perry, Frederick G., to Texas Instruments Inc. Electric switch having improved calibration and adjusting means. 3,288,967, 11–29–66, Cl. 200—122.

Perry, George W. Printing plate mounting means for rotary press. 3,230,876, 1–25–66, Cl. 101—178.

Perry, Gerald E., to Owens-Illinois, Inc. Self-locking carton. 3,272,421, 9–13–66, Cl. 229—39.

Perry, Gerald H., and S. J. Widdows, to International Business Machines Corp. Magnetic storage devices. 3,287,707, 11–22–66, Cl. 340—174.

Perry, Henry A., to Packaging Frontiers, Inc. Packet of tetrahedron-shaped packages. 3,261,462, 7–19–66, Cl. 206—65.

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Perry, John A., to Sinclair Research, Inc. Tap changing transformer voltage regulating system. 3,287,624, 11–22–66, Cl. 323—43.5.

Perry, John T.: *See*—
Gager, Robert M., Atlee, and Perry. 3,277,327.

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Perry, Kenneth E., to Goodyear Corp. Oscillation generator embodying complementary differential amplifier pairs. 3,295,069, 12–27–66, Cl. 331—113.

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Perry, Milton A., and H. J. Hagemeyer, Jr., to Eastman Kodak Co. Preparation of glycol monoesters by condensation of aldehydes in the presence of an aqueous solution of a strong inorganic base. 3,291,821, 12–13–66, Cl. 260—494.

Perry, Norman L.: *See*—
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Perry, Peter J. Ejector type culinary utensil. 3,233,325, 2–8–66, Cl. 30—129.

Perry, Peter J. Device for scoring and peeling citrus fruit. 3,286,346, 11–22–66, Cl. 30—24.

Perry, Richard C., and C. W. Albright, to Union Carbide Corp. Catalytic hydrogenation of carbonized coal vapors. 3,231,486, 1–25–66, Cl. 208—8.

Perry, Robert H., Jr., to Esso Research and Engineering Co. Production of hydroxy esters by catalytic hydrogenation of aldehydic peroxides. 3,287,383, 11–22–66, Cl. 260—410.9.

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Perry, Robert O., and J. L. Boyd, to Sinclair Research, Inc. Method and composition for well treatment. 3,247,900, 4–26–66, Cl. 166—33.

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Perry, Thomas E., J. A. Rinebolt, R. J. Place, and S. W. Poole, to Republic Steel Corp. Process for the production of exceptionally-clean steel. 3,288,589, 11–29–66, Cl. 75—12.

Perry, William H. Brush clearing attachment. 3,243,904, 4–5–66, Cl. 37—2.

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Person, Ernest H., to Allied Thermal Corp. Air diffuser. 3,276,349, 10–4–66, Cl. 98—40.

Person, Ernest H., and J. T. Collins, to Allied Thermal Corp. Baseboard heater. 3,250,318, 5–10–66, Cl. 165—55.

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Person, George A., to United Aircraft Corp. Digital zero offset position indicator. 3,245,065, 4–5–66, Cl. 340—178.

Person, Herman R., to Dale Electronics, Inc. Method of and means for distributing the electrical field around the bushing of lightning arrestors. 3,259,781, 7–5–66, Cl. 313—243.

Person, Herman R., to Dale Electronics Inc. Lightning arrester. 3,280,376, 10–18–66, Cl. 317—61.

Person, John T., and J. C. Eller, to Dawson Chemical Co., Inc. Water-dispersible lignosulfonate formulations of metal ethylene bis-dithiocarbamater. 3,293,126, 12–20–66, Cl. 167—42.

Person, Philip H., to Lake Shore, Inc. Crane. 3,294,262, 12–27–66, Cl. 214—58.

Persson, Sten I., to Raytheon Co. Strain filter utilizing semiconductor device in mechanical oscillation. 3,277,405, 10–4–66, Cl. 333—71.

Persson, Sten I., to Raytheon Co. Notched semiconductor junction strain transducer. 3,283,271, 11–1–66, Cl. 333—71.

Persson, Sven E. Universal fastening device. 3,236,342, 2–22–66, Cl. 189—36.

Persson, Sven E. Window construction. 3,240,298, 3–15–66, Cl. 189—76.

Persson, Sven E. Window construction. 3,262,226, 7–26–66, Cl. 49—324.

Perthen, Johannes, H.-K. Steudel, and W. Gerighausen; said Steudel and Gerighausen, assors. to said Perthen. Electrical methods and devices for testing the surface formation and errors of shape of workpieces. 3,231,979, 2–1–66, Cl. 33—174.

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Pesacreta, Joseph, Jr., to Texaco Inc. Inhibited cumene. 3,270,072, 8–30–66, Cl. 260—666.5.

Peschl, Ervin, J. Zmatlik, and J. Sedlecky, to Vyzkumny Ustav Bavlnarsky. Sliding latch needle. 3,229,485, 1–18–66, Cl. 66—120.

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Pessahovitz, Zevoulun, S. Harel, and C. (H.) Klein, to Chemicals & Phosphates Ltd. Process for the production of potassium magnesium fluoride. 3,238,015, 3–1–66, Cl. 23—88.

Pessen, David W.: *See*—
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Pessen, David W., to Warner & Swasey Co. Pendulum impact tester. 3,285,060, 11–15–66, Cl. 73—101.

Pessimisis, George N., to Nalco Chemical Co. Stabilized aqueous solutions for use in impregnating catalyst carriers and method of making same. 3,232,887, 2–1–66, Cl. 252—435.

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Pessok, Stanley, to General Instruments Corp. Contact for solid state diode. 3,274,455, 9–20–66, Cl. 317—234.

Pessok, Stanley, to General Instruments Corp. Controlled rectifier comprising a resistive plating interconnecting adjacent N and P layers. 3,274,460, 9–20–66, Cl. 317—235.

Pesson, Marcel, to Societe anonyme dite: Laboratoire Roger Bellon. Benzyl piperidyl ketones. 3,262,937, 7–26–66, Cl. 260—294.7.

Pesson, Marcel, to Societe anonyme dite: Laboratoire Roger Bellon. α-Phenyl-β-(2-furyl) propionitrile compounds and a process of making same. 3,272,827, 9–13–66, Cl. 260—294.

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Pestritto, Sebastian J., A. C. and C. V. Baker's peel and proofing board. 3,244,123, 4–5–66, Cl. 107—67.

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Petanovich, Edward J. Runout table. 3,266,640, 8–16–66, Cl. 214—1.1.

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Mach, Horst, and Peter. 3,265,326.
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Peter, Heinrich H., and J. G. Moffatt, to Syntex Corp. 5'-deoxy-5'-pyridinium nucleoside salts and derivatives thereof. 3,281,410, 10–25–66, Cl. 260—211.5.

Peter, Helmut, and G. Schrenk, deceased (by M.-L. Schrenk gebr. Albrecht executor; H., M., M., F., and R. Schrenk, heirs). Meter movement with scale range indicators actuated by photoresponsive switching circuits. 3,271,677, 9–6–66, Cl. 324—96.

Peter, Joseph F. Lampshades and lampbases. 3,280,324, 10–18–66, Cl. 240—145.

Peter, Julius: *See*—
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Peter, Lothar: *See*—
Peter, Oskar E. and L. 3,232,598.

Peter, Marcel: *See*—
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Peter, Oskar E. and L. Annular spring of light metal. 3,232,598, 2–1–66, Cl. 267—9.

Peter Rabbit Candies Inc.: *See*—
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Peters, Christian J. A., to E. I. du Pont de Nemours and Co. Coating compositions comprising a nitrogen-containing compound and a metallic drier. 3,230,188, 1–18–66, Cl. 260—22.

Peters, Christian J. A., to E. I. du Pont de Nemours and Co. Coating compositions containing a tertiary amine and a metallic drier. 3,232,894, 2–1–66, Cl. 260—22.

Peters, Dan W., to Stanford Research Institute. Charge diffusion pressure transducer. 3,245,265, 4–12–66, Cl. 73—398.

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Peters, David L., to Hazeltine Research Inc. Broad-band many-decade logarithmic amplifier. 3,234,404, 2–8–66, Cl. 307—88.5.

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Peters, Edward R., to Wheel Trueing Tool Co. Diamond drill bit. 3,243,924, 4–5–66, Cl. 51—356.

Peters, George T., and N. C. Rice, to United Aircraft Corp. Regenerative expander engine. 3,237,401, 3–1–66, Cl. 60—35.6.

Peters, Guilford B., to Stapling Machines Co. Treatment of wood. 3,284,157, 11–8–66, Cl. 21—7.

Peters, Harry E., to Varian Associates. Atomic resonance device using composite vacuum envelope and pump apparatus. 3,278,857, 10–11–66, Cl. 331—94.

Peters, Heinz: *See*—
Kitlatus, Georg, Peters, Schaefer, Wendt, Lay, Anhuth, and Lange. 3,243,364.

Peters, Heinrich: *See*—
Klug, Helmut, Kuchida, Peters, Schleede, and Winter. 3,275,596.

Peters, James A.: *See*—
Wiley, Thomas A., Peters, and Lynch. 3,258,728.

Peters, John G.: *See*—
Gottshall, Ralph I., Peters, and Swain. 3,248,361.

Peters, John J. Reciprocating aerosol toothbrush with self-sealing elastic valve means. 3,242,928, 3–29–66, Cl. 132—84

Peters, John L. Mass spectrometer leak detector with an accelerator section between plural analyzers and the method for using same. 3,231,735, 1–25–66, Cl. 250—41.9.

Peters, Julius E., to Beaver Shirt Mfg. Co. Method for displaying shirts. 3,258,181, 6–28–66, Cl. 223—71.

Peters, Kenneth: *See*—
Barak, Montefiore, Peters, and Jackson. 3,228,796.

Peters, Kenneth D., to Electronic Associates Inc. Symbol printer with means to print in two directions. 3,269,510, 8–30–66, Cl. 197—53.

Peters, Leo. Multiple mold package for edible plastic materials. 3,253,929, 5–31–66, Cl. 99—179.

Peters, Leo. Method of dispensing embossed butter patties. 3,263,840, 8–2–66, Cl. 214—152.

Peters, Leo, A. P. Burke, and D. R. Smith, said Burke and Smith assor. to said Peters. Refrigerated serving dish for butter patties. 3,240,030, 3–15–66, Cl. 62—459.

Peters, Leo, and C. B. Stevens, to Rapidol Ltd. Solvent dyeing of human hair. 3,261,754, 7–19–66, Cl. 167—88.

Peters, Leo, and A. P. Burke; said Burke assor. to said Peters. Apparatus for the fluid casting of decorative-surfaced butter patties. 3,292,258, 12–20–66, Cl. 31—7.

Peters, Lili, to R. M. Hollingshead Corp. Fire retarding composition and method of making the same. 3,279,929, 10–18–66, Cl. 106—18.

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Pache, Robert A., Peters, and Versteeg. 3,265,237.

Peters, Louis H., D. F. Pollart, and A. G. Farnham, to Union Carbide Corp. Styrene-propylene gross copolymers, a method therefor, and products made therefrom. 3,280,276, 1–18–66, Cl. 260—878.

Peters, Lynn R., and G. F. Hennion, to Eli Lilly and Co. Process for preparing 5-hydroxy-5-(3-aminoalkynyl)dibenzo[a,d]cycloheptа[1,4]dienes. 3,281,469, 10–25–66, Cl. 260—570.8.

Peters Machinery Co.: *See*—
Talbot, Richard C. 3,231,063.
Talbot, Richard C. 3,290,859.
Talbot, Richard C., and Weber. 3,245,513.

Peters, Martin C., to Babcock & Wilcox, Ltd. Steam generating plant. 3,287,229, 11–22–66, Cl. 176—65.

Peters, Melville F., 50% to J. J. Mascuch. Flexible hose structures. 3,237,715, 3–1–66, Cl. 181—47.

Peters, Melville F., to Joseph J. Mascuch. Pressure measuring devices. 3,238,781, 3-8-66, Cl. 73—384.

Peters, Melville F. Detergent, fat, oil and grease removing apparatus. 3,262,566, 7–26–66, Cl. 210—101.

Peters, Nick. Valve spring compressor. 3,286,330, 11–22–66, Cl. 29—219.

Peters, Richard L.: *See*—
Hakim, Anwar A., and Peters. 3,267,006.

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Peters, Robert W., to Lincoln Tool and Mfg. Co. Wire tension device. 3,291,417, 12–13–66, Cl. 242—147.

Peters, Rolland L., R. M. Christenson, and D. P. Hart, to Pittsburgh Plate Glass Co. Polymerization of dienes in the presence of an amine or ammonia salt and product thereof. 3,258,437, 6–28–66, Cl. 260—22.

Peters, Ronald L.: *See*—
Peters, Rudolph W. and R. L., and Taylor. 3,227,866.

Peters, Rudolph W. and R. L., and W. H. Taylor. Arc-welding helmet. 3,227,866, 1–4–66, Cl. 240—2.

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Russell, Linus E. 3,255,779.
Russell, Linus E. 3,292,566.

Peters, Shirley T.: *See*—
Peters, Allen D. 3,261,242.

Peters, Theodore F., to General Motors Corp. Lock. 3,241,-344, 3–22–66, Cl. 70—279.

Peters, Theodore F., to General Motors Corp. Door locking system. 3,243,216, 3–29–66, Cl. 292—201.

Peters, Theodore F., to General Motors Corp. Remotely controlled non-glare rear view mirror. 3,253,509, 5–31–66, Cl. 88—77.

Peters, Timothy V., Jr., and A. D. Schneider, to Polythane Corp. Method of making elastic filaments. 3,267,192. 8–16–66, Cl. 264—203.

Peters, Urban J.: *See*—
Kauss, James M., Peters, and Martin. 3,267,646.

Peters, Vincent J., to The Upjohn Co. Crystallization of actinospectacin sulfate with methanol. 3,272,706, 9–13–66, Cl. 167—65.

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Peters, William H.: *See*—
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Peters, William Y., to J. N. Cunningham. Pulse generator for ignition system. 3,235,742, 2–15–66, Cl. 250—233.

Peters, William Y., to J. N. Cunningham. Engine ignition system. 3,259,118, 7–5–66, Cl. 123—148.

Peters, William Y., to J. N. Cunningham. High voltage circuit for automobile engine ignition. 3,291,110, 12–13–66, Cl. 123—148.

Peterschmidt, Paul L., to Diversification Development Inc. Composite structure utilizing novel assembling joint. 3,255,721, 6–14–66, Cl. 108—111.

Petersen, Aage, E. Hoff, and R. Gjermundsen. Method of treating anginа pectoris. 3,251,739, 5–17–66, Cl. 167—65.

Petersen, Alfred W., and W. L. Staker, to Stauffer Chemical Co. Process for preparing wet process phosphoric acid stabilized against iron and aluminum precipitation. 3,259,-458, 7–5–66, Cl. 23—165.

Petersen, Anita E.: *See*—
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Benetti, John G. 3,286,379.
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Petersen, Berthus, to N.V. Instrument Fabriek en- Handel vourheen P. J. Kipp & Zonen. D.C. measuring circuit including electro-magnetic means for converting D.C. input to amplified A.C. signal. 3,277,367, 10–4–66, Cl. 324—99.

Petersen, Carl B., and R. V. Stuart, to Litton Systems, Inc. Gravitationless liquid oxygen handling system. 3,232,006, 2–1–66, Cl. 62—52.

Petersen, Carl T., to Filper Corp. Freestone drupe pitting method. 3,228,443, 1–11–66, Cl. 146—238.

Petersen, Carl T., to Filper Corp. Freestone drupe pitter. 3,273,616, 9–20–66, Cl. 146—28.

Petersen, Carl T., and E. R. McClelland, to Filper Corp. Freestone drupe pitter. 3,241,586, 3–22–66, Cl. 146—28.

Petersen, Carl T., and E. R. McClelland, to Filper Corp. Freestone drupe pitter and method. 3,273,692. 9–20–66, Cl. 198—34.

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Benetti, John G. 3,286,379.
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Goode, Robert W. 3,272,007.
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Petersen, Gerald A.; ½ to A. E. Petersen. Finger-type pilot bit. 3,280,927, 10–25–66, Cl. 175—383.

Petersen, Gerald A.; ½ to A. E. Petersen. Reversible tooth with snap-on holding means. 3,292,281, 12–20–66, Cl. 37—142.

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Petersen, Harold E., and M. Teig, to International Business Machines Corp. Memory system. 3,239,818, 3–8–66, Cl. 340—172.5.

Petersen, Harold E., and M. Teig, to International Business Machines Corp. Handling of multiple matches and fencing in memories. 3,271,744, 9–6–66, Cl. 340—172.5.

Petersen, Henry T. Tandem earthworking implement. 3,277,-802, 10–11–66, Cl. 94—50.

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Rouse, Charles E. 3,232,460.

Petersen, James M.: *See*—
Oberender, Frederick G., Reed, Petersen, and Kluge. 3,281,359.
Reed, David D., Petersen, and Kluge. 3,256,191.
Reed, David D., Petersen, Oberender, and Kluge. 3,256,-190.

Petersen, James M., D. D. Reed, and H. D. Kluge, deceased, by H. E. Kluge, administratrix, to Texaco Inc. Hydrocarbyl ether reaction products. 3,256,189, 6–14–66, Cl. 252—46.6.

Petersen, James M., D. D. Reed, and H. D. Kluge, deceased, by H. E. Kluge, administratrix, to Texaco Inc. Reaction products of glycidols. 3,256,192, 6–14–66, Cl. 252—46.6.

Petersen, James M., D. D. Reed, and H. D. Kluge, deceased, by H. E. Kluge, administratrix, to Texaco Inc. Polyhydroxyoxaalkyl esters. 3,256,193, 6–14–66, Cl. 252—46.6.

Petersen, James M., D. D. Reed, and H. D. Kluge, deceased, by H. E. Kluge, administratrix, to Texaco Inc. Haloalkylene reaction products. 3,256,194, 6–14–66, Cl. 252—46.7.

Petersen, James M., H. D. Kluge, deceased (by H. E. Kluge, administratrix, and D. D. Reed), to Texaco, Inc. Lubricating oil compositions of mono-(bis)hydrocarbonthiophosphonoxyhydroxyalkyl hydrocarbylamines D# 59,443–4D1. 3,259,580, 7–5–66, Cl. 252—46.7.

Petersen, John F.: *See*—
Kalk, Wilbert A., and Petersen. 3,260,650.

Petersen, John F., to Real Estate Securities, Inc. Steering and drive control mechanism for vehicles. 3,256,949, 6–21–66, Cl. 180—6.66.

Petersen, Laurits I. Loading arrangement for veneer presses. 3,243,054, 3–29–66, Cl. 214—1.

Petersen, Louis, to F. L. Smidth & Co. Method and apparatus for making cement. 3,235,239, 2–15–66, Cl. 263—32.

Petersen, Paul I.: *See*—
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Cookney, Ernest W., and Petersen. 3,241,682.

Petersen, Paul I., to Dorr-Oliver Inc. Sedimentation tank having rotatable sediment conveying structure. 3,240,350, 3–15–66, Cl. 210—531.

Petersen, Paul I., to Dorr-Oliver Inc. Sedimentation tank having rotatable sediment conveying structure. 3,245,544, 4–12–66, Cl. 210—531.

Petersen, Siegfried: *See*—
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Petersen, Svend A., to Johns-Manville Corp. Apparatus for producing strand packages of uniform length. 3,251,562, 5–17–66, Cl. 242—39.

Petersen, Warren D., to Schlumberger, Ltd. Furniture sheath. 3,240,460, 3–15–66, Cl. 248—188.8.

Petersen, Wendell E. Seat belt holder. 3,228,726, 1–11–66, Cl. 297—385.

Peterson, Alan A., and M. P. Foster. Warehousing pallet. 3,256,839, 6–21–66, Cl. 108—56.

Peterson, Arthur: *See*—
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Peterson, Axel H. Valve control for vibrator and like apparatus operating on elastic fluid. 3,253,514, 5–31–66, Cl. 5–31–66, Cl. 91—50.

Peterson, Ben B.: *See*—
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Peterson, Bertil A., to Socony Mobil Oil Co., Inc. Corrosion resistant grease compositions. 3,227,651, 1–4–66, Cl. 252—21.

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Peterson, Carl A., to Westinghouse Electric Corp. Refrigerator cabinet. 3,264,049, 8–2–66, Cl. 312—304.

Peterson, Carl E., to Eastern Tool & Mfg. Co. Foot pedal device. 3,237,479. 3–1–66, Cl. 74—562.

Peterson, Carl G., Co.: *See*—
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Skeen, Gary R., and Peterson. 3,268,039.

Peterson, Carl L., to Sylvania Electric Products Inc. Electric discharge device having heat conserving shields and sleeve. 3,250,934, 5–10–66, Cl. 313—17.

Peterson, Carl R., to Goodrich-High Voltage Astronautics, Inc. Method and apparatus for dispersing glomerate particles. 3,239,717, 3–8–66. Cl. 317—3.

Peterson, Carl R., to United States of America, Navy. Safe parachute pack opener with indicator. 3,242,666, 3–29–66, Cl. 60—26.1.

Peterson, Charles A. Wagon end gate latch. 3,237,981, 3–1–66, Cl. 296—50.

Peterson, Charles F. Portable water heater. 3,246,644, 4–19–66, Cl. 126—344.

Peterson, Charles L.: *See*—
Pine, Robert M., and Peterson. 3,231,268.

Peterson, Charles L., to Uarco Inc. Rotary web imprinter. 3,229,631, 1–18–66, Cl. 101—228.

Peterson, Charles L., and D. J. Steidinger, to Uarco Inc. Forms stacking device. 3,261,603, 7–19–66, Cl. 271—86.

Peterson, Clifford D. Drive mechanism for track-laying tractor. 3,235,019, 2–15–66, Cl. 180—6.66.

Peterson, C. Lynn, to Peterson Filters & Engineering Co. Disc filter assembly. 3,291,312, 12–13–66, Cl. 210—345.

Peterson, C. Lynn and J. G., to Peterson Filters and Engineering Co. Filter medium. 3,227,281, 1–4–66, Cl. 210—499.

Peterson, Dale L., to Varian Associates. Voltage-tunable magnetron. 3,274,432, 9–20–66, Cl. 315—39.63.

Peterson, Dale L., to Varian Associates. Magnetron and radio frequency circuitry therefor. 3,274,433, 9–20–66, Cl. 315—39.73.

Peterson, Dana. Fastening device for apertured document envelopes, apertured tags and the like. 3,246,408, 4–19–66, Cl. 40—26.

Peterson, Dana. Culinary article. 3,256,548, 6–21–66, Cl. 15—236.

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Peterson, Dean M., to Eastman Kodak Co. Demonstration magazine for camera. 3,253,797, 5–31–66, Cl. 242—71.2.

Peterson, Dean M., to Eastman Kodak Co. Assembly method. 3,265,781, 8–9–66, Cl. 264—27.

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Peterson, Donald K.: *See*—
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Peterson, Donald T., and J. F. Soroka, to Bartelt Engineering Co., Inc. Dispensing valve having particular cleaning means. 3,228,412, 1–11–66, Cl. 137—240.

Peterson, Donald W., to General Motors Corp. Dimmer control in turn signal lever. 3,254,168, 5–31–66, Cl. 200—61.27.

Peterson, Donald W., to General Motors Corp. Steering control arrangement. 3,282,124, 11–1–66. Cl. 74—494.

Peterson, Earl C., to Permaduc, Inc. Fabricating table. 3,273,371, 9–20–66, Cl. 72—218.

Peterson, Edward C. Table supporting structure. 3,269,337, 8–30–66, Cl. 108—130.

Peterson, Edwin F. Mounting of vibrators and the like. 3,237,505, 3–1–66, Cl. 85—1.

Peterson, Edwin F. Shaker mechanism. 3,237,787, 3–1–66, Cl. 214—17.

Peterson, Edwin F. Mounting means for vibrators and the like. 3,237,896, 3–1–66, Cl. 248—14.

Peterson, Edwin F. Bodily actuable core box seal. 3,266,102, 8–16–66, Cl. 22—13.

Peterson, Edwin Q.: *See*—
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Peterson, Eldon C. Leg muscle conditioning device. 3,255,-115, 6–7–66, Cl. 272—57.

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Peterson, Erle V., to E. I. du Pont de Nemours and Co. Metal drawing procedure. 3,256,731, 6–21–66, Cl. 72—377.

Peterson, Eugene W., and M. J. Nagy, to Santa Barbara Research Center. Temperature sensitive valve arrangement. 3,269,140, 8–30–66, Cl. 62—223.

Peterson, Evald O., F. A. Prahl, Jr., and J. A. Vitka, Jr. to Compo Shoe Machinery Corp. Automatic cutting machine. 3,264,915, 8–9–66, Cl. 83—71.

Peterson, Everett A. and H. W., to Peterson Electronic Die Co., Inc. Machines for making casings for books. 3,277,505, 10–11–66, Cl. 11—2.

Peterson, Everett R. Movable and rotatable top. 3,288,421, 11–29–66, Cl. 248—396.

Peterson Filters & Engineering Co.: *See*—
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Peterson, C. Lynn and J. G. 3,227,281.

Peterson, Fred D., to Peterson Products of San Mateo, Inc. Foam depositer system. 3,239,100, 3—8–66, Cl. 222—57.

Peterson, Gerald C., and C. H. Hageman. Photographic construction records. 3,234,863, 2–15–66, Cl. 95—1.1.

Peterson, Gerald D., to Corning Glass Works. Television picture tube envelopes and method of assembling the envelope parts. 3,285,457, 11–15–66, Cl. 220—2.1.

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Peterson, Glen R., Jr., and H. Ruckner, to Oscar-Schmidt-International, Inc. Stringed musical instrument. 3,237,-503, 3–1–66, Cl. 84—287.

Peterson, Harold C., to Carlson Tool & Machine Co. Brush trimmer. 3,233,943, 2–8–66, Cl. 300—17.

Peterson, Harold M.: *See*—
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Peterson, Harold W.: *See*—
Peterson, Everett A. and H. W. 3,277,505.

Peterson, Harry L. Fluid pressure system and control means thereof. 3,270,673, 9–6–66, Cl. 103—24.

Peterson, Henry J., to Sun Oil Co. Preparation of hydroxynitrobenzoic acids. 3,272,859, 9–13–66, Cl. 260—52.1.

Peterson, Henry J., W. D. Vanderwerff, and A. P. Stuart, to Sun Oil Co. Preparation of naphthalene carboxylic acids from alkyl-substituted tetrahydronaphthalenes. 3,247,247, 4–19–66, Cl. 260—524.

Peterson, Herbert L., and W. J. Finney. Digital differentiator for amplitude modulated carrier. 3,274,503, 9–20–66, Cl. 329—104.

Peterson, Jack B., to Hyster Co. Multiple wheel compactor. 3,249,027, 5–3–66, Cl. 94—50.

Peterson, James H.: *See*—
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Peterson, James L. Mattress anchor. 3,242,507, 3–29–66, Cl. 5—322

Peterson, Janet B., and M. Dexter, to Geigy Chemical Corp. Derivatives of 3-lower alkyl-4-hydroxy-phenoxyalkanoic acids. 3,249,632, 5–3–66, Cl. 260—473.

Peterson, Janet B., and M. Dexter, to Geigy Chemical Corp. Stabilization of organic material with certain esters of substituted hydroquinones and organic acids. 3,294,836, 12–27–66, Cl. 260—475.

Peterson, John, to United States of America, Agriculture. Method of prestressing a wood beam. 3,294,608, 12–27–66, Cl. 156—160.

Peterson, John A., T. H. Dexter, and R. G. Hartig, to Hooker Chemical Corp. Process for the treatment of waste gases. 3,258,308, 6–28–66, Cl. 23—88.

Peterson, John D.: *See*—
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Peterson, John H., to United Aircraft Corp. Cargo sling for aircraft. 3,265,336, 8–9–66, Cl. 244—118.

Peterson, Joseph A., to TRW, Inc. Chemically cooled rocket. 3,230,705, 1–25–66, Cl. 60—35.6.

Peterson, Leonard. Septic tank. 3,239,068, 3–8–66, Cl. 210—532.

Peterson, Le Roy L.: *See*—
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Peterson, Loyl L.: *See*—
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Peterson Mfg. Co., The: *See*—
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Peterson, Merle H.: *See*—
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Lawrence, Stanley L., and Peterson. 3,232,245.

Peterson, Merle H., to Massey-Ferguson, Inc. Hay wafering apparatus. 3,286,660, 11–22–66, Cl. 107—14.

Peterson, Merle H., and S. L. Lawrence, to Massey-Ferguson, Inc. Hay wafering method and apparatus. 3,230,903, 1–25–66, Cl. 107—14.

Peterson, Miles L., to Hamilton Watch Co. Hairspring wire bending strength gauge. 3,248,935, 5–3–66, Cl. 73—100.

Peterson, Noel C., and J. M. Scott, to Westinghouse Electric Corp. Velocity tapering of traveling wave tube cylindrical delay line by use of nonuniform support rod. 3,286,120, 11–15–66, Cl. 315—3.6.

Peterson, Norman E., and E. E. Courchene, Jr., to Digitech, Inc. Cathode ray tube blanking circuit for recurrent and triggered sweeps. 3,281,623, 10–25–66, Cl. 315—22.

Peterson, Norman L., to Cutler-Hammer, Inc. Semi-conductor control systems. 3,244,958, 4–5–66, Cl. 320—1.

Peterson, Norman L., and G. B. Allen, to The T. L. Smith Co. Punch card for control system for material handling. 3,286,084, 11–15–66, Cl. 235—61.12.

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Peterson, Orrin M.: *See*—
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Peterson, Oscar A., to Halcon International, Inc. Centrifugal separator. 3,243,941, 4–5–66, Cl. 55—204.

Peterson, Oscar A., to Halcon International, Inc. Apparatus for moving a radioactive source between exposure and safe positions. 3,254,224, 5–31–66, Cl. 250—106.

Peterson, Oscar A., to Halcon International, Inc. High pressure vessel. 3,256,069, 6–14–66, Cl. 23—289.

Peterson, Paul R.: *See*—
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Peterson Products of San Mateo, Inc.: *See*—
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Peterson, Raymond A., to United Geophysical Corp. System for synthesizing seismograms from well logs. 3,241,102, 3–15–66, Cl. 340—18.

Peterson, Raymond A., to United Geophysical Corp. Seismic prospecting system. 3,283,844, 11–8–66, Cl. 181—.5.

Peterson, Richard C., and J. M. Seacord, to Sprague Electric Co. Apparatus for continuous voltage application in testing. 3,273,057, 9–13–66, Cl. 324—60.

Peterson, Richard H. Electronic musical instrument. 3,229,019, 1–11–66, Cl. 84—1.01.

Peterson, Richard H. Electronic organ. 3,246,071, 4–12–66, Cl. 84—1.17.

Peterson, Richard H. Electronic musical instrument. 3,247,308, 4–19–66, Cl. 84—1.17.

Peterson, Richard H. Tremulant effect for electronic musical instruments. 3,250,845, 5–10–66, Cl. 84—1.25.

Peterson, Richard H. Player controlled dynamic variation of pitch and/or timbre. 3,255,296, 6–7–66, Cl. 84—1.24.

Peterson, Richard H., and W. H. Hass. Electronic musical instruments. 3,250,846, 5–10–66, Cl. 84—1.25.

Peterson, Robert A., to Caterpillar Tractor Co. Control arrangement and steering of tractors in tandem. 3,245,488, 4–12–66, Cl. 180—14.

Peterson, Robert A., to Caterpillar Tractor Co. Steering controls for vehicles operating in tandem. 3,269,481, 8–30–66, Cl. 180—79.2.

Peterson, Robert A., to Caterpillar Tractor Co. Controls for tandem operated earthmoving scrapers. 3,290,806, 12–13–66, Cl. 37—129.

Peterson, Robert A., and G. E. Grant, to Caterpillar Tractor Co. Cleaner blades for compactor wheels. 3,259,036, 7–5–66, Cl. 94—50.

Peterson, Robert A., and D. E. Sunderlin, to Caterpillar Tractor Co. Draft assembly for tandem tractors. 3,266,816, 8–16–66, Cl. 280—410.

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Pewitt, Bernard B. Insulated coaster for glasses, cans, bottles, or the like. 3,285,456, 11–15–66, Cl. 215—100.5.

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Pianowski, Leon J., to The Udylite Corp. Cathode agitator device. 3,271,290, 9–6–66, Cl. 204—222.
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Piechon, Jean C., to Societe des Accumulateurs Fixes et de Traction (Societe Anonyme). Process and arrangement for determining the discharge state of a battery and for charging and discharging the same. 3,258,870, 6–28–66, Cl. 320—6.
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Piilola, Calvin E., to The Unipress Co., Inc. Shirt buck apparatus. 3,273,766, 9–20–66, Cl. 223—57.
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Pike, Howard, to Calloway Mills Co. Apparatus for use in feeding running lengths of multi-component material. 3,227,120, 1–4–66, Cl. 112—79.
Pike, John E.: *See*—
Beal, Philip F., III, Fonken, and Pike. 3,290,226.
Beal, Philip F., III, and Pike. 3,261,851.
Martin, David G., and Pike. 3,251,834.
Pike, John E., to The Upjohn Co. 16 α-hydroxy-21-carboxylic acid γ-lactones of the pregnane series and the 16 β-methyl derivatives thereof. 3,268,521, 8–23–66, Cl. 260—239.57.
Pike, John N., to Union Carbide Corp. Silicon whisker photocell with short response time. 3,233,111, 2–1–66, Cl. 250—211.
Pike, John W.: *See*—
Carlson, David, Pike, and Moyer. 3,258,760.
Pike, John W. Concentration of extracts by freezing. 3,285,–022, 11–15–66, Cl. 62—58.
Pike, Lloyd F.: *See*—
Gordon, Arthur L., Jonas, and Pike. 3,280,102.
Pike, Malcolm R., to Rolls-Royce Ltd. Jet nozzle. 3,288,373, 11–29–66, Cl. 239—265.23.
Pike, Rafael M., 35% to D. A. Ytreus. Prefabricated fence. 3,239,194, 3–8–66, Cl. 256—19.
Pike, Roscoe A., to Union Carbide Corp. Siloxane compositions and elastomers prepared therefrom. 3,234,175, 2–8–66, Cl. 260—37.
Pike, Roscoe A., to Norton Co. Catalysts for polyphenylene sulfide type resins. 3,285,882, 11–15–66, Cl. 260—79.
Pike, Sophia E. Box spout. 3,292,839, 12–20–66, Cl. 229—7.
Piker, Herbert M., to The Hamilton-Skotch Corp. Knocked-down cabinet. 3,248,157, 4–26–66, Cl. 312—257.
Piker, Herbert M., to The Hamilton-Skotch Corp. File box or container. 3,250,276, 5–10–66, Cl. 129—26.
Piker, Herbert M., to The Hamilton-Skotch Corp. Insulated container. 3,285,450, 11–15–66, Cl. 215—13.
Piker, Herbert M., to The Hamilton-Skotch Corp. Insulated container and the method of making the same. 3,286,865, 11–22–66, Cl. 215—13.
Pikoske, Herbert, to Walker Mfg. Co. Adjustable metering device. 3,259,281, 7–5–66, Cl. 222—335.
Pikus, Alfred B., to Keuffel & Esser Co. Calculating device for solving unknown qualitative parameters. 3,282,500, 11–1–66, Cl. 235—70.
Pilacinski, Jerzy: *See*—
Small, Robert F., Pilacinski, and Thompson. 3,252,265.
Pilarczyk, Karol, to De Laval Turbine Inc. Pump. 3,232,–235, 2–1–66, Cl. 103—106.
Pilaro, Joseph F., to National Distillers and Chemical Corp. Method for improving the optical properties of thermoplastic films. 3,243,486, 3–29–66, Cl. 264—95.
Plias, Frank J., to Radio Corp. of America. Electron mounting structure of a high frequency electron tube. 3,242,373, 3–22–66, Cl. 313—250.
Pilcher, David W., to Bowen Tools, Inc. Endless chain apparatus. 3,258,110, 6–28–66, Cl. 198—162.
Pilcher, James O., II, to United States of America, Army. Extending boom for sounding rockets. 3,256,816, 6–21–66, Cl. 102—49.
Pilcher, Walter R. Highway dividing line changing system. 3,263,578, 8–2–66, Cl. 94—1.5.
Pile, Charles E., to Down Bros., and Mayer & Phelps Ltd. Clamping devices. 3,274,658, 9–27–66, Cl. 24—259.
Pile, George: *See*—
Hertwig, Henry F., Zemke, and Pile. 3,234,709.
Hertwig, Henry F., Zemke, and Pile. 3,235,389.
Pilger, Nicholas J., to Reynolds Metals Co. Sterile article package. 3,286,832, 11–22–66, Cl. 206—56.
Pilgram, Kurt H. G.: *See*—
Hasserodt, Ulrich, Pilgram, and Korte. 3,247,113.
Pilgrim, Darrel W., and E. C. McCoy, to United States of America, Navy. D.C. servo. 3,276,410, 10–4–66, Cl. 114—23.
Pilkington Brothers Ltd.: *See*—
Barradell-Smith, Richard. 3,268,135.
Beattie, John R. 3,275,430.
Beattie, John R. 3,293,022.
Beattie, John R. 3,294,513.
Pickering, Stanley T. 3,278,285.
Pilkington, Lionel A. B. 3,231,354.
Pilkington, Lionel A. B. 3,264,081.
Pilkington, Lionel A. B. 3,266,880.
Procter, James P., Cole, and Yale. 3,287,095.
Pilkington, Lionel A. B., to Pilkington Brothers Ltd. Protective atmosphere for sheet glass casting rolls. 3,231,354, 1–25–66, Cl. 65—157.
Pilkington, Lionel A. B., to Pilkington Brothers Ltd. Manufacture of flat glass. 3,264,081, 8–2–66, Cl. 65—99.
Pilkington, Lionel A. B., to Pilkington Brothers Ltd. Manufacture of flat glass. 3,266,880, 8–16–66, Cl. 65—99.
Pilkuhn, Manfred H.: *See*—
Balk, Pieter, and Pilkuhn. 3,273,030.
Pillar, Gene: *See*—
Kohl, John, and Pillar. 3,271,039.
Pillepich, John L.: *See*—
Walker, Harold J., and Pillepich. 3,247,171.
Pillepich, John L., to Dow Chemical Co. Ethers of halomethylated diphenyl oxide. 3,267,151, 8–16–66, Cl. 260—613.
Piller, Horst, to Carl Zeiss-Stiftung, d.b.a. Carl Zeiss. Magnetically attached microscope accessory for supporting comparison objects. 3,285,127, 11–15–66, Cl. 88—40.
Pilliner, Bernard J., to Rational Automation Ltd. Cutting apparatus. 3,280,680, 10–25–66, Cl. 83—168.
Pillon, Daniel: *See*—
Thiolliere, Jean, and Pillon. 3,238,095.
Pillsbury Co., The: *See*—
Brunson, Robert B., and Christensen. 3,294,011.
Forkner, John H. 3,239,946.
Forkner, John H. 3,261,694.
Fritzberg, Edward L. 3,275,449.
Fritzberg, Edward L. 3,282,704.
Gidlow, Rolf G., and Stein. 3,251,695.
Gidlow, Rolf G., and Teders. 3,248,228.
Katz, Morris H., and Weiner. 3,272,387.
Reid, Francis R. 3,279,927.
Wheelock, Charles E. 3,280,191.

Pillsbury, George T. Hunter's signaling device. 3,245,071, 4–5–66, Cl. 340—321.
Pilnik, Walter, and W. Wieset, to Obipektin A.G. Heat exchanger. 3,229,758, 1–18–66, Cl. 165—90.
Pilot Man-Nen-Hitsu Kabushiki Kaisha: *See*—
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Ishida, Hajime, and Toma. 3,269,584.
Pilot Radio Inc.: *See*—
Shottenfeld, Richard, and Abilock. 3,263,953.
Pilot Research Corp.: *See*—
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Schöttle, Ulrich, and Piloty. 3,241,117.
Pilsetneks, Dzidris, to Burroughs Corp. Apparatus for use in handling ferrite cores. 3,294,393, 12–27–66, Cl. 269—305.
Pilvelis, Laurence C.: *See*—
Bod, Frederick H., and Pilvelis. 3,262,520.
Pilz, Werner, and W. Haupt, to Kienzle Apparate G.m.b.H. Gear train control arrangement. 3,251,544, 5–17–66, Cl. 235—91.
Pim, Robert N.: *See*—
Jardine, Philip R., Pim, Lawrence, and Hochner. 3,270,–101.
Pinamonti, Franco, and S. Maccone, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Stabilized fungicidal compositions. 3,275,500, 9–27–66, Cl. 167—2.
Pinard, Albert A. Closed circuit hydraulic system for drawing tubes, pipes, rods, bars and the like. 3,238,760, 3–8–66, Cl. 72—290.
Pinault, Jacques: *See*—
Loyer, Claude, Mauguen, and Pinault. 3,253,853.
Pinazza, Giosue. Percussion apparatus, actuated by eccentric revolving masses, incorporating an electric motor. 3,248,–957, 5–3–66, Cl. 74—61.
Pinchin Johnson & Associates Ltd., and Joseph Lucas (Industries) Ltd.: *See*—
Tanner, Edward B. 3,245,015.
Pinckaers, Balthasar H.: *See*—
Deziel, Fred T., and Pinckaers. 3,270,800.
Pinckaers, Balthasar H., to Honeywell Inc. Bidirectional switch with particular slave control means including pair of serially-connected oppositely poled diodes. 3,238,390, 3–1–66, Cl. 307—88.5.
Pinckaers, Balthasar H., to Honeywell Inc. Control apparatus. 3,258,655, 6–28–66, Cl. 317—148.5.
Pinckaers, Balthasar H., to Honeywell Inc. Electronic switch, having one control input, providing bidirectional current control. 3,268,742, 8–23–66, Cl. 307—88.5.
Pinckaers, Balthasar H., to Honeywell Inc. Burner control apparatus. 3,270,799, 9–6–66, Cl. 158—128.
Pinckaers, Balthasar H., to Honeywell Inc. Semiconductor sine wave inverter. 3,289,067, 11–29–66, Cl. 321—2.
Pinckney, Eustace B., Jr. Soffit supporting fitting. 3,256,–654, 6–21–66, Cl. 52—95.
Pinckney, Warren J., R. E. Schmeck, and A. B. Eckert, Jr., to Pitney-Bowes, Inc. Document advancing apparatus. 3,240,489, 3–15–66, Cl. 271—62.
Pincus, Meyer, to Combustion Engineering, Inc. Fastening of attachments such as boiler casing to expanded metal. 3,275,073, 9–27–66, Cl. 165—186.
Pindur, Emanuel: *See*—
Blume, Hermann, Munzing, and Pindur. 3,243,387.
Pine, Herbert J., and C. W. Smith, to E. I. du Pont de Nemours and Co. Process for stripping adhesive from a metal base. 3,282,765, 11–1–66, Cl. 156—344.
Pine, Lloyd A., and H. G. Ellert, to Esso Research and Engineering Co. Preparation of esters from aldehydes with a molybdenum compound as catalyst. 3,287,401, 11–22–66, Cl. 260—494.
Pine, Robert M., and C. L. Peterson, to Uarco Inc. Outfeed mechanism. 3,231,268, 1–25–66. Cl. 271—88.
Pineau, Andre, to P.C.C. Electrically insulated rail fastener. 3,246,843, 4–19–66, Cl. 238—349.
Pineau, Wilfred J., to Calumet Hecla, Inc. Expanding tool. 3,232,011, 2–1–66, Cl. 51—373.
Pinel, Jacques, to Compagnie Generale de Telegraphie Sans Fil. Focusing arrangement for guiding particles from an accelerator device toward a laterally shifted target. 3,287,–584, 11–22–66, Cl. 313—84.
Pinel, Jacques, and G. Mourier, to CSF Compagnie General de Telegraphie Sans Fil. Particle accelerator. 3,274,502, 9–20–66, Cl. 328—234.
Pines, Arthur N.: *See*—
Smith, Theodore R., and Pines. 3,248,358.
Pines, Arthur N., and E. A. Zientek, to Union Carbide Corp. Aminosilicone-silicate polymers as corrosion inhibitors. 3,248,329, 4–26–66, Cl. 252—78.
Pines, Arthur N., and E. A. Zientek, to Union Carbide Corp. Alcohol compositions containing carboxysiloxane derivatives as corrosion inhibitors and process for inhibiting corrosion. 3,265,623, 8–9–66, Cl. 252—75.
Pines Engineering Co., Inc.: *See*—
Hamlin, Glen. 3,242,710.
Kraujalis, Felix S. 3,277,690.
Schmidt, Hans. 3,280,612.
Pines, Robert M., to Geigy Chemical Corp. Stabilization of polyolefins with ethylene bis(α-imino-o-hydroxyaryl) acetic acids and salts thereof. 3,282,888, 11–1–66, Cl. 260—45.8.
Pines, Seemon H.: *See*—
Grier, James S., and Pines. 3,248,408.
Pingry, Carl O., III, to International Business Machines Corp. Sensing circuit. 3,235,747, 2–15–66, Cl. 307—88.5.
Pinizzotto, Rosario, and A. G. Kardoley, to Philco Corp. Line cord and monopole antenna system. 3,290,601, 12–6–66, Cl. 325—372.
Pinkalla, Hamilton A.: *See*—
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Pinkard, Jerry L., to Rector Well Equipment Co., Inc. Removable hanger shoulder. 3,284,111, 11–8–66, Cl. 285—141.
Pinkerton, Carl W., and F. J. Landwehr, to Boeing Airplane Co. Tube bending mandrel. 3,258,956, 7–5–66, Cl. 72—466.
Pinkerton, Edmund B.: *See*—
Ernest, Robert P., and Pinkerton. 3,279,267.
Pinkerton, Edmund B., to Ford Motor Co. Bearing for a reciprocating machine and method for assembling it. 3,241,896, 3–22–66, Cl. 308—237.
Pinkerton, Harry: *See*—
Brogden, Michael E., Milnes, and Pinkerton. 3,232,999.
Brogden, Michael E., Milnes, and Pinkerton. 3,243,466.
Pinkerton, Harry E. Positive displacement piston pump. 3,257,953, 6–28–66. Cl. 103—38.
Pinkerton, Harry E. Diaphragm metering pump. 3,285,182, 11–15–66, Cl. 103—44.
Pinkerton, John W., and E. L. Stout, to Sundstrand Corp. Hydrostatic transmission. 3,292,723, 12–20–66, Cl. 180—44.
Pinkerton, Robert H. Tamper-proof fastener. 3,261,254, 7–19–66, Cl. 85—9.
Pinkerton's, Inc.: *See*—
Bojko, George. 3,237,191.
Pinkham, Jesse R.: *See*—
Phillips, Malcolm E., Jr., Pinkham, and Hinckle. 3,252,–671.
Pinkham, Robert M., and R. M. Tribble, to Western Electric Co., Inc. Heat sealing glass to the surface of a body. 3,282,669, 11–1–66, Cl. 65—5.
Pinkowski, Henry J., to Illinois Tool Works Inc. Process of sharpening insert blade for rotary cutter. 3,283,449, 11–8–66, Cl. 51—288.
Pinkston, James T. Quick connector spigot coupling for spray nozzle and aerator attachments. 3,227,380, 1–4–66, Cl. 239—427.
Pinnes, Robert W., to United States of America, Navy. High altitude aircraft. 3,261,571, 7–19–66, Cl. 244—1.
Pinnes, Robert W., to United States of America, Army, and Administrator of the Federal Aviation Agency. Movable turbine-fan unit for an aircraft jet engine. 3,273,654, 9–20–66, Cl. 170—135.7.
Pinney Dock & Transport Co.: *See*—
Pinney, Nelson J. 3,276,608.
Pinney, George C., to A. E. Staley Mfg. Co. Moisture resistant starch base corrugating adhesive. 3,294,716, 12–27–66, Cl. 260—17.2.
Pinney, George G., and H. G. Hemphill, to Chemetron Corp. Hydrogen diffusion unit. 3,226,915, 1–4–65, Cl. 55—158.
Pinney, Nelson J., to Pinney Dock & Transport Co. Bale lifting means and method. 3,276,608, 10–4–66, Cl. 214—14.
Pino, Piero: *See*—
Natta, Giulio, Pino, and Lorenzi. 3,271,379.
Natta, Giulio, Pino, and Mazzanti. 3,261,820.
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Pinson, A. G.: *See*—
Cunningham, Fred A., Klatt, and Pinson. 3,294,545.
Pinson, Alton Z. Fence construction. 3,285,577, 11–15–66, Cl. 256—34.
Pinson, Ellis R., Jr., to Chas. Pfizer & Co., Inc. 6-fluoro-16α-methyl corticosteroids. 3,291,815, 12–13–66, Cl. 260—397.45.
Pinson, Joseph P. Adjustable intensity mechanical vibrator. 3,277,731, 10–11–66, Cl. 74—87.
Pintar, Robert R., to TWR Inc. Permanent magnet alternator. 3,286,110, 11–15–66. Cl. 310—156.
Pintell, Milton H., to Intron International, Inc. Thermally sensitive capacitive circuit element. 3,257,607, 6–21–66, Cl. 323—93.
Pintell, Robert H., to Intron International, Inc. Protective circuit arrangement for electronic breakdown devices and the like. 3,229,211, 1–11–66, Cl. 328—9.
Pintell, Robert H., to Intron International, Inc. Push-pull circuit arrangement for generating sine waves. 3,247,468, 4–19–66, Cl. 331—113.
Pintell, Robert H., to Intron International, Inc. Electromagnetic device. 3,247,476, 4–19–66, Cl. 336—177.
Pintell, Robert H., to Intron International, Inc. Control system for electromagnetic motors. 3,268,789, 8–23–66, Cl. 318—314.
Pinter, Ann V.: *See*—
Deanin, Rudolph D., and Pinter. 3,240,756.
Deanin, Rudolph D., and Pinter. 3,251,807.

Pinter, Ann V., to Allied Chemical Corp. Processes for the recovery of polycarbonates from stable emulsions. 3,240,-733, 3–15–66, Cl. 260—18.

Pinter, Ann V., to Allied Chemical Corp. Processes for recovering polycarbonates from stable emulsions using inorganic salts which form hydrates to break the emulsion. 3,251,802, 5–17–66, Cl. 260—47.

Pinter, Richard S.: *See*—
Louden, William C., and Pinter. 3,243,635.

Pinter, Rudolph: *See*—
Pietrusza, Edward W., and Pinter. 3,249,590.
Pietrusza, Edward W., and Pinter. 3,250,750.
Pietrusza, Edward W., Pinter, and Pedersen. 3,228,916.
Pietrusza, Edward W., Pinter, and Pedersen. 3,251,799.

Pinto, Frank G.: *See*—
Hardy, William B., Millonis, and Pinto. 3,268,474.

Pinto, Nickolas. Automatic marker placement device. 3,228,-555, 1–11–66, Cl. 221—199.

Pinto, Olympio F.: *See*—
Davis, John E., and Pinto. 3,292,618.

Pinto, Peter J., to Leslie Salt Co. Tablet dispenser. 3,283,-475. 11–8–66, Cl. 53—250.

Pinto, Ross E., to Roman Industries. Cam operated clutches for lawn mower. 3,270,842, 9–6–66, Cl. 192—48.

Pinto, Uberto. Mixing and emulsifying apparatus. 3,249,-340. 5–3–66, Cl. 259—96.

Pintsch Bamag Aktiengesellschaft: *See*—
Hahndorff, Axel, and Barthel. 3,272,728.
Stammbach, Fritz, Stangl, Voigt, and Woerfel. 3,256,-785.

Pioch, Richard P., to Eli Lilly and Co. Aminotetrahydrofuryl esters. 3,263,711, 8–9–66, Cl. 260—332.2.

Pioch, Robert J. Compacting system and apparatus. 3,250,414. 5–10–66, Cl. 214—302.

Pioch, Robert J. Lift-dump mechanism for ram-type materials handling apparatus. 3,280,997, 10–25–66, Cl. 214—302.

Pioch, Robert J. Refuse loading and compacting apparatus. 3,289,572, 12–6–66, Cl. 100—53.

Pioch, Werner, to Fernseh G.m.b.H. Electrical apparatus comprising printed circuit boards. 3,274,449, 9–20–66, Cl. 317—101.

Pioneer Gen-E-Motor Corp.: *See*—
Goldberg, Harry, and Siwek. 3,246,459.
Siwek, Stanley Z. 3,246,909.

Pioneer Kabushiki Kaisha: *See*—
Wada, Eiichi. 3,278,099.

Pioneer Mfg. Co.: *See*—
Keinonen, Frank W., and Nagler. 3,285,318.

Pioneer Trust & Savings Bank: *See*—
Kostur, J. Edward. 3,267,521.

Piorunneck, Heinz, to Burndy Corp. Contact locking connector. 3,243,761, 3–29–66, Cl. 339—176.

Piotrowski, Tadeusz W., to The Cincinnati Milling Machine Co. Machine tool power drawbolt mechanism. 3,262,369, 7–26–66, Cl. 90—11.

Pipe, John, to Steelcase Inc. Multi-panel sliding door structure. 3,260,303, 7–12–66, Cl. 160—197.

Pipe, John, to Steelcase, Inc. Card tray. 3,280,822, 10–25–66, Cl. 129—29.

Pipe Linings, Inc.: *See*—
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Pipe Machinery Co., The: *See*—
Fotheringham, James R., Kacperski, and Muehlhauser. 3,276,301.
Herbkersman, Earle C. 3,216,052.
Satava, Donald M. 3,284,913.

Piper, Alfred C.: *See*—
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Piper, Charles S.: *See*—
Johnson, Ewell C., Avrel, Piper, and Sung. 3,278,817.

Piper, Floyd W.: *See*—
Kurtz, Donald P., and Piper. 3,286,143.

Piper, Francis R., to General Motors Corp. Internal combustion engine poppet valve assembly apparatus. 3,239,-925, 3–15–66, Cl. 29—208.

Piper, Harold R., to Trac-Machinery Corp. Compacting machine. 3,253,522. 5–31–66, Cl. 94—48.

Piper, Melvin E. Mounting for graduated spirit-type gauges. 3,250 015, 5–10–66, Cl. 33—203.18.

Piper, William M.: *See*—
Rabinow, Jacob, Saunderson, Rotkin, and Piper. 3,256,-817.

Piper, William W., to General Electric Co. Growth of single crystals. 3,243,267, 3–29–66, Cl. 23—301.

Piperato, James, to Buchanan Electrical Products Corp. Terminal block assembly for flat base or channel mounting. 3,245,029, 4–5–66, Cl. 339—198.

Piperato, James, and V. Orzechowski, to Buchanan Electrical Products Corp. Sectional electrical terminal block. 3,253,-252, 5–24–66, Cl. 339—198.

Pipes, George R., to Eaton Mfg. Co. Marine drive apparatus. 3,282,240, 11–1–66, Cl. 115—41.

Pipp, Walter B.: *See*—
Bonthuis, James E., Pipp, and Rector. 3,250,375

Pippert, Aaron J. Artificial lure for fish. 3,236,000, 2–22–66, Cl. 43—42.18.

Pippert, Aaron J., to Universal Packing & Gasket Co. Composite nonadjustable seal assembly. 3,284,088, 11–8–66, Cl. 277—124.

Pippin, Reginald F., Jr., and W. P. Warthen, to Deering-Milliken Research Corp. Textile drafting apparatus. 3,267,526, 8–23–66, Cl. 19—245.

Pipyne, Reinoldas, to The Celotex Corp. Apparatus for drying coatings. 3,292,273, 12–20–66, Cl. 34—155.

Piquerez, Ervin. Shaped watertight watch case fastening means. 3,264,820, 8–9–66, Cl. 58—90.

Pirelli S.p.A.: *See*—
Angioletti, Attilio. 3,288,899.
Cappa, Giulio, and Longaretti. 3,232,331.
Di Giulio, Enzo, and Marchesini. 3,228,883.
Lugli, Giuseppe. 3,240,249.
Pierazzuoli, Mario. 3,282,611.
Vanzo, Marcello. 3,251,384.

Piric, Harold W., to The Perfection Mfg. Co. Grass catcher and mounting therefor. 3,257,788, 6–28–66, Cl. 56—202.

Pirozzi, Americo. Extruded combination door or window. 3,269,452, 8–30–66, Cl. 160—90.

Pirraglia, Joseph A.: *See*—
Clarke, Patrick W., and Pirraglia. 3,273,043.
Clarke, Patrick W., Pirraglia, and Rando. 3,247,444.

Pirrello, Antonio, to General Motors Corp. Reciprocating tool. 3,241,459. 3–22–66, Cl. 91—234.

Pirsh, Edward A., and W. L. Sage, to The Babcock & Wilcox Co. Power plant cycle. 3,234,735, 2–15–66, Cl. 60—39.18.

Pirson, Ewald: *See*—
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Nitzsche, Siegfried, Pirson, and Roth. 3,294,709.

Pisani, Luigi, and G. Spaltini, to Virginio & C. Rimoldi S.p.A., and Officina Maccanica Pisani & Spaltini. Machine for cutting tubular fabric. 3,271,838, 9–13–66, Cl. 29—2.16.

Pisko, Ronald J., and J. Weiss. Crimping pliers. 3,289,455, 12–6–66, Cl. 72—409.

Piskorz-Nalecki, Jerzy W. Ship's steering rudder. 3,230,-920, 1–25–66, Cl. 114—162.

Piskorz-Nalecki, Jerzy W., to Centralny Osrodek Kontrukcyjno-Badawczy. Ship for the transportation of loose masses. 3,279,408, 10–18–66, Cl. 114—73.

Pistey, John M., to General Electric Co. Snap-in fluorescent lampholders with quick-connect terminals. 3,245,026, 4–5–66, Cl. 339—55.

Pistey, John M., to General Electric Co. Fluorescent lampholder with quick-connect terminals. 3,263,201, 7–26–66, Cl. 339—52.

Pistey, John M., to General Electric Co. Mounting arrangement for a fluorescent lampholder assembly. 3,285,560, 11–15–66, Cl. 248—342.

Pistey, John M., to General Electric Co. Lampholders for electric discharge lamps. 3,290,638, 12–6–66, Cl. 339—56.

Pistor, Hans J.: *See*—
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Pistor, Horst: *See*—
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Pitcher, Kenneth R., to Healthways. Air pistol. 3,236,222, 2–22–66, Cl. 124—11.

Pitcher, Kenneth R., to Healthways. Air pistol. 3,236,224, 2–22–66, Cl. 124—53.

Pitcher, Maurice D. Holder for toilet tissue rolls or the like. 3,227,386, 1–4–66, Cl. 242—55.2.

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Pither, Leslie F., to Owens-Illinois Glass Co. Discharge apparatus for refining molten glass. 3,231,357, 1–25–66, Cl. 65—325.

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Pitkethly, Robert C., and A. G. Goble, to The British Petroleum Co. Ltd. Polymerization catalyst and process of polymerization using said catalyst. 3,264,367, 8–2–66, Cl. 260—683.15.

Pitkethly, Robert C., J. F. Ford, and A. Fisher, to The British Petroleum Co. Ltd. Isomerization of olefins using sepiolite catalyst. 3,272,887, 9–13–66, Cl. 260—683.2.

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Pitkin, Richard A., and S. T. Beale. Measuring dispenser for containers. 3,235,144, 2–15–66, Cl. 222—455.

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Pitzer, John C., to Formica Corp. Oil absorptive laminates. 3,293,096, 12–20–66, Cl. 156—155.

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Platus, David L., F. A. Marovich, and P. J. Cunningham, to Ara, Inc. (Aerospace Research Associates, Inc.). Beam energy absorbing device. 3,283,857, 11–8–66, Cl. 188—1.

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Pledger, Huey, Jr., to The Dow Chemical Co. Polymeric 5-methylenebicyclo[2.2.1] - 2 - heptene. 3,252,957, 5–24–66, Cl. 260—93.1.
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Podbielniak, Walter J., to Dresser Industries, Inc. Centrifugal method for deodorizing oils. 3,257,774, 6–28–66, Cl. 55—54.
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Poerschke, Karl O. A., to Beteiligungs- und Patentverwaltungs-gesellschaft mit beschrankter Haftung. Spark erosion with non-distorted impulses. 3,280,367, 10–18–66, Cl. 315—200.
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Pollack, Isidore, and F. S. Kaveggia, to Purex Corp., Ltd. Novel oxazoline compounds and method of preparation. 3,235,507, 2–15–66, Cl. 252—301.2.

Pollack, Isidore, and F. S. Kaveggia, to Purex Corp., Ltd. Novel oxazoline compounds and method of preparation. 3,235,547, 2–15–66, Cl. 260—307.

Pollack, Isidore, and F. S. Kaveggia, to Purex Corp., Ltd. Imidazoline compounds and method of preparation. 3,235,548. 2–15–66, Cl. 260—240.1.

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Pollack, Solomon R., to Sperry Rand Corp. Thin film tetrode. 3,275,905, 9–27–66, Cl. 317—234.

Pollack, William, to Ortho Pharmaceutical Corp. Compositions and method for performing pregnancy test. 3,234,096, 2–8–66, Cl. 167—84.5.

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Pollak, Heinz, to S. Smith & Sons (England) Ltd. Navigational apparatus. 3,258,978, 7–5–66, Cl. 74—5.47.

Pollak, Heinz, and J. L. Weston, to S. Smith & Sons (England) Ltd. Automatic flight control systems for aircraft. 3,269,675, 8–30–66, Cl. 244—77.

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Polland, Sophia. Process camera film holder. 3,269,266, 8–30–66, Cl. 88—24.

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Popelak, Alfred, and G. Lettenbauer, to C. F. Boehringer & Soehne G.m.b.H. Rescidine and salts thereof. 3,250,766, 5–10–66, Cl. 260—240.

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Popodi, Alfred E., and C. L. Saunders, to United States of America, Navy. Random access instantaneous digital-to-analog co-ordinate converter. 3,267,265, 8–16–66, Cl. 235—154.

Popoff, Alexis A., to E. I. du Pont de Nemours & Co. Method for explosively bonding metal layers. 3,258,841, 7–5–66, Cl. 29—486.

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Smith, Robert K., and Popoff. 3,280,144.

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Popoff, Ivan C., to Pennsalt Chemicals Corp. Dialkyl carbamyl and thiocarbamyl phosphonic diamide acaricidal composition and method of use. 3,294,628, 12–27–66, Cl. 167—22.

Popoff, Ivan C., and J. P. King, to Pennsalt Chemicals Corp. Process for preparing hydroxymethylphosphine oxides. 3,293,302, 12–20–66, Cl. 260—606.5.

Popoff, John W. Safety switch for tractors and the like. 3,240,892, 3–15–66, Cl. 200—61.58.

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Popp, Hermann, to Diehl K.G. Link body for endless traction chains of track laying vehicles. 3,260,558, 7–12–66, Cl. 305—36.

Popp, John A. Grass trimming devices. 3,279,064, 10–18–66, Cl. 30—307.

Popp, Ralph, to Westinghouse Air Brake Co. Electric induction apparatus for use in railway signal systems. 3,268,843, 8–23–66, Cl. 336—223.

Poppe, Robert B., and V. F. Gugler. Process and apparatus for making pastry products. 3,276,397, 10–4–66, Cl. 107—4.

Poppe, Robert B., and V. F. Gugler. Pastry machine. 3,277,845, 10–11–66, Cl. 107—1.

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Popper, Jakhin B., to Twinworm Associates. Locking device for the control knobs of instruments. 3,236,119, 2–22–66, Cl. 74—531.

Popper, Karel, and V. Slamecka. Final purification of sea water desalted by calcium hydroxide ion exchange. 3,239,460, 3–8–66, Cl. 210—24.

Popper, Karel, and V. Slamecka. Ion exchange processes. 3,293,175, 12–20–66, Cl. 210—32.

Popper, Paul, to Power Jets (Research & Development) Ltd. Production of dense bodies of silicon carbide. 3,275,722, 9–27–66, Cl. 264—65.

Popper, Rudolf H., and P. Hirsch. Gripping tool provided with means automatically adjusting the size of the clamping mouth in correspondence with the configuration of a workpiece. 3,251,251, 5–17–66, Cl. 81—185.

Poppy, Dwight J., to Zenith Radio Corp. Automatic gain controlled plural wave band radio receiver. 3,287,644, 11–22–66, Cl. 325—316.

Poquette, Raymond S., Jr., to The Bendix Corp. Temperature compensating means for liquid damped gyroscopic instrument. 3,241,376, 3–22–66, Cl. 74—5.5.

Porambo, Francis E., to Franchett's Kruellers, Inc. Automatic cruller machine. 3,234,869, 2–15–66, Cl. 99—353.

Porath, Gordon H. Precision slide. 3,231,819, 1–25–66, Cl. 308—5.

Porath, Gordon H. Rotary hydraulic fitting. 3,290,065, 12–6–66, Cl. 285—94.

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Porcello, Raphael. Steerable stair-climbing vehicle. 3,269,741, 8–30–66, Cl. 280—5.26.

Porch, Douglas E., 10% to W. J. Smith. Device for interconnection of electrical apparatus. 3,292,131, 12–13–66, Cl. 339—14.

Porepp, Hans, to Opti-Holding A.G. Method of producing slide-fastener members. 3,243,489, 3–29–66, Cl. 264—296.

Porepp, Hans, to Opti-Holding A.G. Slide fasteners. 3,255,504, 6–14–66, Cl. 24—205.13.

Porepp, Hans, to Opti-Holding A.G. Apparatus for producing slide-fastener members. 3,267,514, 8–23–66, Cl. 18—1.

Poris, Harry. Double wall tumbler having cooling means therein. 3,269,144, 8–30–66, Cl. 62—457.

Poritz, Nathan. Multi-color adapted ball point pen. 3,288,116, 11–29–66, Cl. 120—42.1.

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Porret, Daniel, to Ciba Ltd. Diepoxides from the acetals of A 1,1-bis(hydroxymethyl) cyclohexene-3 and cinnamic aldehyde. 3,234,240, 2–8–66, Cl. 260—340.7.

Porret, Daniel, to Ciba Ltd. Hetero-o-cyclic telomers. 3,242,151, 3–22–66, Cl. 260—88.3.

Porret, Daniel, O. Ernst, E. Nikles, and F. Kugler, to Ciba Ltd. Heat-curable mixtures of epoxy derivatives and polycarboxylic acid anhydrides. 3,264,271, 8–2–66, Cl. 260—78.4.

Porret, Daniel, G. H. Ott, and R. Huwyler, to Ciba Ltd. Telomers containing epoxy groups. 3,288,751, 11–29–66, Cl. 260—47.

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Schiler, Frederick S. 3,279,077.
Schiler, Frederick S. 3,279,079.

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Porter, Alvin J., and D. W. Mathison, to Product Design & Engineering, Inc. Dispensing cap. 3,240,404, 3–15–66, Cl. 222—521.

Porter, Alvin J., and D. W. Mathison, to Product Design & Engineering, Inc. Container cap having frangible sealing means. 3,263,874, 8–2–66, Cl. 222—498.

Porter, Alvin J., and A. W. Merchlewitz, to Product Design & Engineering, Inc. Dispensing device with cammed stopper. 3,285,479, 11–15–66, Cl. 222—521.

Porter, Brian, and W. A. Hoyes. Cooler unit. 3,261,180, 7–19–66, Cl. 62—514.

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Porter, Clarence H. Method for joining textile threads. 3,264,023, 8–2–66, Cl. 289—1.5.

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Porter, David B., and R. A. Paine, to Millipore Filter Corp. Beaded filter tube filter assembly. 3,237,775, 3–1–66, Cl. 210—323.

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Porter, David H., to Hamilton Cosco, Inc. Shelf structure. 3,264,050, 8–2–66, Cl. 312—325.

Porter, Donald K., to The B. F. Goodrich Co. Fabric trimmer. 3,238,831, 3–8–66, Cl. 83—433.

Porter, Earl D. Tone levers for individual strings in a stringed musical instrument. 3,250,167, 5–10–66, Cl. 84—313.

Porter, Edwin H., to Fairchild Camera and Instrument Corp. Monocrystal transistors with region for isolating unit. 3,260,902, 7–12–66, Cl. 317—235.

Porter, Edwin H., to Fairchild Camera and Instrument Corp. Method of making isolated epitaxial field-effect device. 3,293,087, 12–20–66, Cl. 148—175.

Porter, Ernest A. Compensated T for radio frequency voltmeter. 3,250,994, 5–10–66, Cl. 324—95.

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Porter, Frank, to Allied Chemical Corp. Process for the extraction of aqueous sugar solution resulting from the hydrolysis of lignocellulosic material. 3,266,933, 8–16–66, Cl. 127—37.

Porter, Frank W., to Productive Equipment Corp. Vibrating equipment. 3,276,169, 10–4–66, Cl. 51—163.

Porter, Frederic E., E. K. Wold, and I. S. Nelson, to Northrup, King & Co. Seed-germination and plant-starter packet. 3,241,264, 3–22–66, Cl. 47—38.1.

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Porter, Grady T., to Phillips Petroleum Co. Automatic chemical injection control. 3,256,902, 6–21–66, Cl. 137—93.

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Porter, Ralph F., and T. E. Gompf, to Eastman Kodak Co. Halogenated acyl hydroquinone derivative developers. 3,246,988, 4–19–66, Cl. 96—66.

Porter, Ralph F., and T. E. Gompf, to Eastman Kodak Co. Developer incorporated photographic materials. 3,291,609, 12–13–66, Cl. 96—76.

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Porter, Roger S., and G. H. Cady, to United States of America, Navy. Reaction of carbonyl fluoride with fluorine. 3,230,264, 1–18–66, Cl. 260—610.

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Christenson, Roger M., Porter, and Halcoussis. 3,290,-417.

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Porter, Sigmund N., and R. M. Tink, to The National Cash Register Co. Data entry checking apparatus. 3,235,716, 2–15–66, Cl. 235—153.

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Porter, Virgil V., to Moore Business Forms, Inc. Envelope assemblies. 3,273,784, 9–20–66, Cl. 229—69.

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Porter, Walter J., Jr., and J. F. Moser, Jr., to Esso Research and Engineering Co. Apparatus for iron ore reduction. 3,236,607, 2–22–66, Cl. 23—284.

Porter, Walter J., Jr., and J. F. Moser, Jr., to Esso Research and Engineering Co. Fluid bed process. 3,246,978, 4–19–66, Cl. 75—26.

Porter, Walter J., Jr., and W. T. House, to Esso Research and Engineering Co. Recovery of products from aldehyde synthesis bottoms. 3,247,260, 4–19–66, Cl. 260—612.

Porter, Walter J., Jr., J. A. Wingate, and J. A. Hanan, to Esso Research and Engineering Co. Aldolization process. 3,248,428, 4–26–66, Cl. 260—593.

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Porzky, Leonhard L., and J. D. Economy; said Porzky assor. to McGraw-Edison Co. Shock absorbing means for shears. 3,262,202, 7–26–66, Cl. 30—271.

Poschenrieder, Werner, to Siemens & Halske Aktiengesellschaft. Dual electrostrictive drivers bonded to and driving opposite sides of mechanical resonator. 3,264,585, 8–2–66, Cl. 333—72.

Poschenrieder, Werner, to Siemens & Halske Aktiengesellschaft. Electromechanical filter. 3,284,728, 11–8–66, Cl. 333—71.

Poschenrieder, Werner, to Siemens & Halske Aktiengesellschaft. Electromechanical band filter having bridging capacitor for providing attenuation pole. 3,287,669, 11–22–66, Cl. 333—71.

Poschman, William M. Electric distribution box with circuit breaker and timer. 3,290,457, 12–6–66, Cl. 200—38.

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Post, Paul J., to Leesona Corp. Wiping contact for a toroidal core winder. 3,291,402, 12–13–66, Cl. 242—4.

Post, Paul W. Apparatus for performing flexure tests. 3,286,516, 11–22–66, Cl. 73—100.

Post, Richard F., to United States of America, Atomic Energy Commission. Method of controlling plasma stability. 3,257,284, 6–21–66, Cl. 176—5.

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McCrary, James W., Jr., Post, and Aylwin. 3,250,322.

Post, Wolfgang, to Schweizerische Aluminium AG (Aluminium Swisse SA.) (Alluminio Swizzero S.A.) (Swiss Aluminium Ltd.). Method of etching electrode foils for electrolytic capacitors. 3,266,962, 8–16–66, Cl. 156—22.

Post, Wolfgang, to Swiss Aluminium Ltd. Apparatus for annealing and electrolytically treating metallic strip. 3,271,-287, 9–6–66, Cl. 204—210.

Post, Wolfgang, and E. Worschischek, to Swiss Aluminium Ltd. Method of electrolytically etching aluminum. 3,249,523, 5–3–66, Cl. 204—141.

Postelson (Apostolescu), Steven. Flying platform-automobile-boat and air suspension car combination. 3,265,329, 8–9–66, Cl. 244—2.

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Postlewaite, William R., to Chevron Research Co. Apparatus for attaching and detaching a working base to an underwater well base. 3,236,302, 2–22–66, Cl. 166—.6.

Postlewaite, William R., and E. S. Warner, to Chevron Research Corp. Tube bundle extractor. 3,257,001, 6–21–66, Cl. 214—1.

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Postma, Arlin K., to United States of America, Atomic Energy Commission. Moving wall elutriator. 3,269,536, 8–30–66, Cl. 209—138.

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Postol, Steven M., to Union Carbide Corp. Flame-resistant urethane foams and method for preparing same. 3,260,687, 7–12–66, Cl. 260—2.5.

Postula, Louis J. and V. A., to Postula Products, Inc. Cleaner for golf club heads and the like. 3,268,934. 8–30–66, Cl. 15—21.

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Poterack, James L., J. P. Mefford, and E. A. Stroud III, to United States of America, Navy. Radar interference rejection. 3,267,466, 8–16–66, Cl. 343—7.3.

Poterfield, Earl N. Lawn mower attachment. 3,236,037, 2–22–66, Cl. 56—25.4.

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Pottash, Herbert. Gasoline leak detector. 3,261,201, 7–19–66, Cl. 73—40.5.

Pottash, Ruben R. Acoustic tile with sound-reflective polymeric layer bonded to fibrous layer. 3,229,785, 1–18–66, Cl. 181—33.

Pottberg, Rolfe, and E. T. Clayton, to Peen Plate, Inc. Methods of mechanically plating metal objects with copper and alloys thereof. 3,251,711, 5–17–66, Cl. 117—109.

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Potter, Frederick M., to The Bendix Corp. Oil-cooled generator design. 3,260,872, 7–12–66, Cl. 310—54.

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Potter, Ralph C. Display unit. 3,292,290, 12–20–66, Cl. 40—124.1.

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Pottier, Jacques G. Equipment, more particularly for treating plantlets by "cold shocks." 3,277,604, 10–11–66, Cl. 47—1.

Pottier, Paul, and E. Macchiaverna, to Commissariat a l'Energie Atomique, and Comision Nacional Atomica. Process for ion exchange in basic medium for the recovery of uranium from low-strength solutions. 3,265,471, 8–9–66, Cl. 23—334.

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Bolton, Douglas H. H., and Potts. 3,248,885.
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Potts, Michael C., and D. H. H. Bolton, to Dowty Mining Equipment Ltd. Mining apparatus. 3,228,300, 1–11–66, Cl. 61—45.

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Pouilloux, Jacques. Inflatable tire building drum. 3,234,070, 2–8–66, Cl. 156—416.

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Poundstone, William N., to Consolidation Coal Co. Idler rollers and method of making the same. 3,270,577, 9–6–66, Cl. 74—230.4.

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Poupitch, Ougljesa J., to Illinois Tool Works Inc. Container package and carrier. 3,265,203, 8–9–66, Cl. 206—65.

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Cape, Arthur T. 3,281,078.

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Powell, Edgar R. Balancing hoist. 3,260,508, 7–12–66, Cl. 254—168.

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Powers, Eugene L., to Mobay Chemical Co. Process for reducing the sediment in organic polyisocyanates and product. 3,260,735, 7–12–66, Cl. 260—453.

Powers, Eugene L., to Mobay Chemical Co. Purification of isocyanates by reduction of the hydrolyzable chlorine and acid content. 3,264,336, 8–2–66, Cl. 260—453.

Powers, Eugene L., to Mobay Chemical Co. Tolylene diamine compositions stabilized with N-butyl acid phosphate. 3,264,353, 8–2–66, Cl. 260—578.

Powers, Eugene L., to Mobay Chemical Co. Process for the preparation of halogenated isocyanates. 3,277,137, 10–4–66, Cl. 260—453.

Powers, Eugene L., to Mobay Chemical Co. Process for preparing organic polyisocyanates. 3,277,139, 10–4–66, Cl. 260—453.

Powers, Eugene L., and I. B. Van Horn, to Mobay Chemical Co. Method of preparing polyamines. 3,260,751, 7–12–66, Cl. 260—570.

Powers, Eugene L., and I. B. Van Horn, to Mobay Chemical Co. Process for preparing aromatic polyamines. 3,277,173, 10–4–66, Cl. 260—570.

Powers, Frank C., to Lapco, Inc. Bakery item cover forming method. 3,246,446, 4–19–66, Cl. 53—42.

Powers, Gilbert L. Cargo storing and transporting apparatus. 3,292,965, 12–20–66, Cl. 296—12.

Powers, Henry L. Compression leak tester. 3,266,297, 8–16–66, Cl. 73—49.7.

Powers, John A. Prefabricated laminated beam structures. 3,256,662, 6–21–66, Cl. 52—376.

Powers, John B.: *See*—
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Powers, John B., to Union Carbide Corp. Process for developing diasotype article comprising molecular sieve with alkaline material absorbed therein. 3,294,535, 12–27–66, Cl. 96—49.

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Waddell, Mathis T., Powers, and Saunders. 3,292,608.
Waddell, Mathis T., Powers, Saunders, and Paulsel. 3,261,346.

Powers, Joseph T.: *See*—
Schroeder, Andre, and Powers. 3,255,079.

Powers, Lawrence G.: *See*—
Cameron, William M., and Powers. 3,250,545.

Powers, Michael: *See*—
Howell, Richard S., Scott, Hearn, Jenkins, and Powers. 3,235,942.
Howell, Richard S., Scott, Hearn, Jenkins, and Powers. 3,267,485.

Powers, Milton A.: *See*—
Haugen, Edmond H., and Powers. 3,237,887.

Powers, Milton A., to Skuttle Mfg. Co. Humidifier. 3,285,586, 11–15–66, Cl. 261—92.

Powers Regulator Co., The: *See*—
Joy, William F. 3,227,896.
Norman, Robert J. 3,228,603.
Schumann, Eugene R. 3,241,805.
Taylor, Wesley L. 3,244,190.
Thorburn, David H. 3,229,929.
Thorburn, David H. 3,241,761.
Thorburn, David H., and Knight. 3,237,883.
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Powers, Robert A., D. R. Allenson, and A. C. Stewart, to Union Carbide Corp. Redox couple radiation cell. 3,255,044, 6–7–66, Cl. 136—86.

Powers, Robert A., D. R. Allenson, and A. C. Stewart, to Union Carbide Corp. Electric cell. 3,255,045, 6–7–66, Cl. 136—86.

Powers, Samuel T. Garbage receptacle. 3,263,854, 8–2–66, Cl. 220—18.

Powers, Vincent J., to Accurate Bushing Co. Air bearing electromagnetic transducer head assembly. 3,243,790, 3–29–66, Cl. 340—174.1.

Powers, Walter H., to Walker Mfg. Co. Ceramic coated muffler with liquid flow gaps between partitions and shell. 3,232,374, 2–1–66, Cl. 181—61.

Powers, Walter H., to Walker Mfg. Co. Muffler with one-piece outer housing. 3,233,698, 2–8–66, Cl. 181—48.

Powers, Walter H., to Walker Mfg. Co. Muffler constructed to vaporize condensate from inner chambers. 3,243,012, 3–29–66, Cl. 181—72.

Powers, Walter H., to Walker Mfg. Co. Method of manufacturing a muffler including coating with ceramic. 3,248,791, 5–3–66, Cl. 29—460.

Powers, Walter H., to Walker Mfg. Co. Muffler with return bend tuning passage. 3,289,786, 12–6–66, Cl. 181—54.

Powers, Wesley H. Coin operated adding machine for grocery chain store carts. 3,288,478, 11–29–66, Cl. 280—33.99.

Powers, William H., and C. K. Russell, to United States Steel Corp. Dolomite brick and method of making it. 3,271,172, 9–6–66, Cl. 106—61.

Powers, William J., Jr., to E. I. du Pont de Nemours and Co. Method and apparatus for cutting a plurality of objects. 3,226,964, 1–4–66, Cl. 72—71.

Powers, William J., Jr., and N. C. Wyeth, to E. I. du Pont de Nemours and Co. Plastic container closures. 3,250,417, 5–10–66, Cl. 215—41.

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McKee, Dale P. 3,283,986.
Ward, James E. 3,231,168.

Powischill, John W., to Proctor & Schwartz, Inc. Moving material drying method and apparatus. 3,259,995, 7–12–66, Cl. 34—31.

Powischill, John W., to Proctor & Schwartz, Inc. Apparatus for treating fluent solid materials with fluidizing gases. 3,292,272, 12–20–66, Cl. 34—57.

Powling, Philip S., and J. W. Crollie, to Neilsons Gaiety Ltd. Apparatus for the production of Christmas crackers. 3,264,797, 8–9–66, Cl. 53—285.

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Poyer, David. Roofing and siding flashing member. 3,262,236, 7–26–66, Cl. 52—58.

Poynter, Corbin C., to Goodman Mfg. Co. Variable motion vibrating screen. 3,236,381, 2–22–66, Cl. 209—325.

Poynter, Corbin C., to Dover Corp. Automatic dispensing nozzle. 3,294,128, 12–27–66, Cl. 141—209.

Poynter, Donald B. Electrically operated coin box device. 3,243,914, 4–5–66, Cl. 46—3.

Poynter, Donald B., to Poynter Products, Inc. Miniaturized basket-ball backboard. 3,244,420, 4–5–66, Cl. 273—105.

Poynter, Donald B. Novelty clock. 3,262,258, 7–26–66, Cl. 58—2.

Poynter Products, Inc.: *See*—
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Poynter, William G. Multicolor perfecting press having an offset blanket with electromagnetic support means. 3,263,-606, 8–2–66, Cl. 101—179.

Poyser, John R., to Rolls-Royce Ltd. Combustion equipment for a gas turbine engine. 3,290,880, 12–13–66, Cl. 60—39.65.

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Poznick, Frederick P.: *See*—
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Twilley, Ian C., and Poznick. 3,294,735.

Prache, Marie P., to Lignes Telegraphiques & Telephoniques. Dielectric wave guide. 3,275,936, 9–27–66, Cl. 333—95.

Prache, Marie P., to Lignes Telegraphiques & Telephoniques. Dielectric-metal waveguide. 3,275,955, 9–27–66, Cl. 333—95.

Praeg, Walter F. Magnetically shielded apparatus for indicating the numbers of turns and the presence of shorted turns in electric coils. 3,267,370, 8–16–66, Cl. 324—55.

Praeg, Walter S., and J. J. Sigman, Jr., to National Broach & Machine Co. Method of making gear finishing tools. 3,247,301, 4–19–66, Cl. 264—225.

Praemassing, Adolph: *See*—
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Prager, George J., to Beloit Eastern Corp. Braking and tension roll. 3,250,488, 5–10–66, Cl. 242—75.4.

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Prager, Peter-Conrad. Friction gear. 3,242,748, 3–29–66, Cl. 74—200.

Prager, Roger H., to United States of America, Navy. Display simulator for computer-aided systems. 3,274,557, 9–20–66, Cl. 340—172.5.

Praglin, Julius, and J. R. Yeager, to Keithley Instruments Inc. Megohm bridge having a plurality of standard resistors, and calibrated in a ladder-type operation utilizing the smallest resistor (precision) as absolute standard. 3,246,238, 4–12–66, Cl. 324—62.

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Prahl, Helmut F., to Monsanto Co. Dyeable polypropylene-stearic acid compositions. 3,231,530, 1–25–66, Cl. 260—23.

Prahl, Walter H., S. J. Lederman, and E. I. Lichtblau, to Hooker Chemical Corp. Production of bisphenol from resinous by-products. 3,290,390, 12–6–66, Cl. 260—619.

Prahl, Walter H., S. J. Lederman, and E. I. Lichtblau, to Hooker Chemical Corp. Production and purification of a diphenylolpropane. 3,290,391, 12–6–66, Cl. 260—619.

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Pramaggiore, Aime: *See*—
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Prameta Prazisionsmetall-und Kunstofferzeugnisse G. Baumann & Co.: *See*—
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Prange, Charles J., to Flexible Sewertool Corp. Apparatus for feeding jointed sewer cleaning tool driving rod. 3,242,-518, 3–29–66, Cl. 15—104.3.

Prange, Charles J., to Flexible Servertool Corp. Cable winding apparatus for cable drums of sewer cleaning machines. 3,270,982, 9–6–66, Cl. 242—158.3.

Prange, James M.: *See*—
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Pranovi, Ugo. Garments dry washing machine. 3,266,273, 8–16–66, Cl. 68—12.

Prapas, Aristotle G., to W. R. Grace & Co. Polymerization process using a catalyst system comprising an organo-aluminum compound, an alcohol and oxygen. 3,228,922, 1–11–66, Cl. 260—89.5.

Prapis, Frank, and G. J. Gessner, to The Bendix Corp. Quadrature rejection circuit using biased diode bridge. 3,244,-987, 4–5–66, Cl. 328—166.

Prasser, Donald O. Protective garment. 3,284,806, 11–15–66, Cl. 2—2.1.

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Prather, Wesley E., to United States of America, Air Force. Frequency modulated relaxation oscillator utilizing a unijunction transistor. 3,230,480, 1–18–66, Cl. 332—16.

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Pratt, Aloysius W., to American Machine & Foundry Co. Power switching and regulating circuits. 3,273,050, 9–13–66, Cl. 322—28.

Pratt, Charles R., Jr., and W. H. Tarcza, to Corning Glass Works. Electrical capacitor. 3,267,342, 8–16–66, Cl. 317—258.

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Pratt, George C., K. H. McNeil, and H. M. Sharpe, to The Glacier Metal Co. Ltd. Method of molding compositions containing polytetrafluoroethylene. 3,234,311, 2–8–66, Cl. 264—127.

Pratt, Harold R., to Esso Research and Engineering Co. Plastic barge for cryogenic service. 3,289,624, 12–6–66, Cl. 114—74.

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Fawkes, Donald G. 3,275,289.
Smith, George C., and Woolley. 3,238,915.

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Pratt, Jack B., and L. Sloan, to Crane Co. Underdrains. 3,291,311, 12–13–66, Cl. 210—172.

Pratt, James O., and H. B. Runkle, Sr., said Runkle assignor to said Pratt. Concrete products machine. 3,279,021, 10–18–66, Cl. 25—45.

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Shambaugh, George F., Rogers, Kaplan, and Pratt. 3,257,273.

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Harrison, Thomas L., Miller, and Backus. 3,245,680.
Nicol, Herbert E. 3,293,699.
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Nordquist, Albert W. 3,254,554.
Wood, Orville T., and Underwood. 3,248,992.

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Pratt, Richard J., to Allis-Chalmers Mfg. Co. Methods of preparing organometallic compound. 3,293,275, 12–20–66, Cl. 260—448.2.

Pratt, Robert C., to Babbitt Pipe Co., Inc. Plastic tubular member. 3,230,980, 1–25–66, Cl. 138—144.

Pratt, Robert C., to Babbitt Pipe Co. Plastic pipe molding apparatus. 3,290,728, 12–13–66, Cl. 18—19.

Pratt, Robert H., to Pratt Mfg. Corp. Apparatus for producing a prolonged relatively straight-line radial engagement with rotary motion. 3,290,202, 12–6–66, Cl. 156—583.

Pratt, Robert R., to The Armstrong Rubber Co. Sidewall valve for tubeless tires. 3,247,882, 4–26–66, Cl. 152—429

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Pray, Lester W., G. C. Anderson, and J. Waddington, to Maremont Corp. Twister frame. 3,231,209, 1–25–66, Cl. 242—26.4.

Prazak, Charles J., III, to National Video Corp. Assembly jig for positioning photographic shadow masks in color television picture tube face plates. 3,284,884, 11–15–66, Cl. 29—200.

Preau, Nicole M., to Rhone-Poulenc S.A. 3-1'-adamantyloxy-propionic acid, nontoxic salts thereof and their use as choleretics. 3,240,669, 3–15–66, Cl. 167—55.

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Preble, Harry, and J. Rubinstein, to General Slicing Machine Co., Inc. Twin-blade releasing means. 3,234,649, 2–15–66, Cl. 30—272.

Precht, Walter, to United States of America, Atomic Energy Commission. Thermoelectric converter composition. 3,294,-688, 12–27–66, Cl. 252—62.3.

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Precisa A.G.: *See*—
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Precisa AG, Rechenmaschinenfabrik: *See*—
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Precision Agricultural Machinery Co.: *See*—
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Precision Forge Co.: *See*—
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Precision Sampling Corp.: *See*—
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Precision Scientific Co.: *See*—
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Abplanalp, Robert H., Focht, and Tribou. 3,281,018.
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Precoul, Michel, to Societe Technique de Recherches Industrielles & Mecaniques. Powder-fuelled rocket. 3,234,878, 2–15–66, Cl. 102—98.

Prediger, Fred R., and M. Kniazuk, to Merck & Co. Means and method for automatic zone refining a work piece. 3,270,177, 8–30–66, Cl. 219—10.77.

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Predum, Thomas R., Sr.: *See*—
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Prefferle, William C., to Sinclair Research, Inc. Controlling hydrogen partial pressure in a reforming process. 3,264,-207, 8–2–66, Cl. 208—65.

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Preis, Seymour, B. D. West, and K. P. Link, to Wisconsin, Alumni Research Foundation. Resolution of warfarin and marcoumar. 3,239,529, 3–8–66, Cl. 260—284.

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Wollard, Joseph C., Slaney, and Priess. 3,263,254.

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Prell, George A., to Motorola, Inc. Support for pressure measuring diaphragm. 3,254,573, 6–7–66, Cl. 92—101.

Prell, George A., to Motorola, Inc. Differential pressure transducer. 3,277,719, 10–11–66, Cl. 73—407.

Prellwitz, Samuel B., to United States Steel Corp. Radiation-responsive stockline indicator. 3,230,363, 1–18–66, Cl. 250—43.5.

Prellwitz, Samuel B., to United States Steel Corp. Elongated relatively thin metal capacitor probe in combination with a conveying means for determining the dielectric properties of bulk material. 3,273,058, 9–13–66, Cl. 324—61.

Preload Co., The: *See*—
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Prentice, Earl E., to J. A. Haslett, d.b.a. John A. Haslett Co. Absorbent pad. 3,284,273, 11–8–66, Cl. 161—83.

Prentice, George D. to A. F. Klinzing Co., Inc. Adjustable feed device. 3,231,071, 1–25–66, Cl. 198—204.

Prentice, George D., to A. F. Klinzing Co., Inc. Cutter wheel assemblage. 3,266,643, 8–16–66, Cl. 214—17.

Prentice, George D., to A. F. Klinzing Co., Inc. Auger feeder. 3,275,125, 9–27–66, Cl. 198—205.

Prentice, George D., and C. E. Potter, to A. F. Klinzing Co., Inc. Feed distributor. 3,268,067, 8–23–66, Cl. 198—213.

Prentice, James B., to Dacom, Inc. Candles and method of making same. 3,254,512, 6–7–66, Cl. 67—22.5.

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Preparation Industrielle des Combustibles Fontainebleau (S. & M.): *See*—
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Presbrey, Clifton H., Jr., to United States of America, Navy. Device for providing a permanent display of the phase or frequency difference between signals. 3,292,083, 12–13–66, Cl. 324—79.

Preschel, Kenneth S., and R. W. Wright, to General Electric Co. Electric incandescent projection lamp. 3,249,789, 5–3–66, Cl. 313—113.

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Prescon Corp., The: *See*—
La Mart, Robert R., and Newins. 3,285,569.
Middendorf, Karl H. 3,255,558.
Middendorf, Karl H. 3,263,384.
Middendorf, Karl H. 3,270,471.
Middendorf, Karl H. 3,290,840.
Naillon, Jacob D., and Middendorf. 3,233,376.

Precost Acceptance Corp.: *See*—
Long, Linwood S., Jr. 3,286,884.

Prescott, David B., to Walker Mfg. Co. Hydraulic jack. 3,258,921, 7–5–66, Cl. 60—52.

Prescott, Ernest F., to Elgin Sweeper. Hopper lock for a street sweeper. 3,247,990, 4–26–66, Cl. 214—508.

Prescott, George R.: *See*—
Mabry, Milton M., Prescott, and Saperstein. 3,288,981.

Prescott, Robert E.: *See*—
Caldwell, William N., Ericsson, Prescott, and Whidden. 3,275,279.

Prescott, Robert E., and W. E. Whidden, to Bell Telephone Laboratories Inc. Adjustable mounting means for photocells located in outdoor structure. 3,289,005, 11–29–66, Cl. 250—239.

Prescott, Robert E., and L. N. Wilder, to Bell Telephone Laboratories, Inc. Armored electric line. 3,290,429, 12–6–66, Cl. 174—102.

Prescott, Wilmar L. Screw socket having tangential keyways. 3,282,145, 11–1–66, Cl. 85—45.

Presher, Ralph B., to Ambassador Business Corp., d.b.a. Ambassador Laundry Co. Laundry handling apparatus. 3,243,050, 3–29–66, Cl. 211—131.

Presin Co., Inc.: *See*—
Gunst, Ole. 3,278,725.

Presley, William E.: *See*—
McElroy, Archie B., Presley, and Forbis. 3,238,500.

Presray Corp., The: *See*—
Gilbert, Robert R. 3,253,851.
Hollander, Theodore C., Jr. 3,253,854.
Schroth, Raymond A. 3,284,955.

Press Automation Systems Inc.: *See*—
Sehn, Francis J., and Clemons. 3,270,379.

Press, Carl, to Alfred Teves Maschinen- und Armaturen Fabrik KG. Internal-expansion brake system with reinforced brake-shoe extensions. 3,273,677, 9–20–66, Cl. 188—78.

Press, Irving D., to Resistoflex Corp. Hose fitting. 3,237,974, 3–1–66, Cl. 285—149.

Press, Irving D., and H. A. Rink, to Resistoflex Corp. Gear powered threaded union. 3,239,245, 3–8–66, Cl. 285—18.

Press, Martin: *See*—
Deschamps, George A., and Press. 3,258,226.

Press, Martin, and J. Murgio, to International Telephone and Telegraph Corp. Earth navigational system. 3,244,862, 4–5–66, Cl. 235—151.

Press, Reece W., Jr., to United Engineers & Constructors Inc. Wall structure for a nuclear reactor containment vessel. 3,288,998, 11–29–66, Cl. 250—83.3.

Pressac Ltd.: *See*—
Greasley, Eric A. 3,230,496.
Greasley, Eric A. 3,230,497.
Greasley, Eric A. 3,258,734.

Pressed Steel Tank Co.: *See*—
Finch, Peter M., and Pether. 3,263,591.
Marshall, Rolland E. 3,246,794.

Pressler, Maurice F.: *See*—
Horan, John J., Brown, and Pressler. 3,230,504.

Pressley, Robert C., Jr., to General Electric Co. Electrical device with self-storing cord arrangement. 3,227,802, 1–4–66, Cl. 174—52.

Pressman, Abraham I., to Radio Corp. of America. Logic circuits utilizing transistor as level shift means. 3,283,180, 11–1–66, Cl. 307—88.5.

Pressure Products Industries, Inc.: *See*—
Bacino, Eigel J., and Bowen. 3,245,429.
Bowen, John C., and Wolf. 3,233,863.

Prestige Furniture Corp.: *See*—
Jones, Rome E. 3,276,801.

Prestige Group Ltd., The: *See*—
Murphy, Hugh. 3,278,020.

Presto Lock Co., Inc.: *See*—
Gehrie, Charles S. 3,289,798.
Gehrie, Charles S. 3,294,206.

Prestodial, Inc.: *See*—
Chernack, Milton. 3,274,875.
Young, Charles C. 3,274,344.

Preston, Edward G.: *See*—
Watson, Ian C., Preston, and Williamson. 3,240,503.

Preston, Glenn W., and W. H. Chudleigh, Jr., to General Atronics Corp. Radar system employing sequential analysis. 3,253,277, 5–24–66, Cl. 343—7.

Preston, Grace D., to Eaton Allen Corp. Eraser shield. 3,253,578, 5–31–66, Cl. 120—41.

Preston, Harold C. Insulator locking pin. 3,288,917, 11–29–66, Cl. 174—150.

Preston, Jack: *See*—
Holsten, John B., Huffman, Kasbo, and Preston. 3,285,956.

Preston, Jack, to Monsanto Co. Thermally resistant wholly aromatic polyamides. 3,232,910, 2–1–66, Cl. 260—78.

Preston, Jack, to Monsanto Co. 1,3,4-oxadiazole-2,5-diyl-bisbenzhydrazide and its preparation. 3,264,320, 8–2–66, Cl. 260—307.

Preston, Jack, and F. Dobinson, to Monsanto Co. Thermally resistant wholly aromatic polyamides. 3,240,760, 3–15–66, Cl. 260—78.

Preston, Jack, and F. Dobinson, to Monsanto Co. Diamides. 3,242,213, 3–22–66, Cl. 260—558.

Preston, James N. Thermal reaction torque-generating engine system. 3,237,405, 3–1–66, Cl. 60—39.69.

Preston, John M. Stabilized phosphoric acid. 3,269,798, 8–30–66, Cl. 23—165.

Preston, Keith O., to Owens-Corning Fiberglas Corp. Textile fiber article and method of producing same. 3,246,855, 4–19–66, Cl. 242—18.

Preston, Kendall, Jr., to The Perkin-Elmer Corp. Logic device for simplifying pictorial data. 3,277,286, 10–4–66, Cl. 235—92.

Preston, Martin, to Kaiser Industries Corp. Oxygen lance arrangement. 3,257,106, 6–21–66, Cl. 266—36.

Preston, Martin. Universal joint. 3,260,070, 7–12–66, Cl. 64—21.

Preston, Richard J., and V. S. Peterson, to United Aircraft Corp. Photosensitive tracker with special X and Y axis photocells having pluralities of paralleled electrodes. 3,244,889, 4–5–66, Cl. 250—211.

Preston, Robert E.: *See*—
Kimm, Ewald J., and Preston. 3,226,942.
Kimm, Ewald J., Preston, and Klank. 3,240,264.

Preston, Ronald: *See*—
Chesner, Louis, Preston, and Raynes. 3,236,585.

Preston, William H., Jr. Method of inhibiting plant growth. 3,230,069, 1–18–66, Cl. 71—2.7.

Prestridge, Hamilton B.: *See*—
Norman, Vello, Whaley, and Prestridge. 3,294,654.

Prestridge, Hamilton B., T. P. Whaley, and V. Norman, to Ethyl Corp. Metal alloy plating process. 3,244,554, 4–5–66, Cl. 117—107.2.

Prestwood, Franklin H., to United States of America, Air Force. Testing apparatus for target aircraft microwave equipment. 3,295,130, 12–27–66, Cl. 343—17.7.

Pretema A.G.: *See*—
Strutt, Maximilian J. O. 3,235,798.

Preti, Jean-Claude, to Societe de Fabrication d'Instruments de Mesure (S.F.I.M.). Apparatus for detecting the presence of objects by electromagnetic radiation. 3,289,202, 11–29–66, Cl. 343—5.

Prett, Konrad, and K. Thurnher, to FMC Corp. Process for preparation of a bleaching agent. 3,227,655, 1–4–66, Cl. 252—186.

Pretto, John L. Radiation energy shield protecting a body area of a patient from X-rays and the like. 3,286,094, 11–15–66, Cl. 250—108.

Preu, Helmut W., and W. G. Hohenstein, to The F. & M. Schaefer Brewing Co. Apparatus for sensing smaller article in line of larger articles being conveyed. 3,241,666, 3–22–66, Cl. 209—90.

Preudhomme, Jean, to Compagnie de Saint-Gobain. Method of and apparatus for cutting glass. 3,275,207, 9–27–66, Cl. 225—2.

Preuit, William E. Navigational course finder. 3,281,942, 11–1–66, Cl. 33—98.

Preuss, Albert F., Jr.: *See*—
Sims, Homer J., Bauer, and Preuss. 3,268,450.

Preuss, Frederick W., to MPI Industries, Inc. Appliance supporting cabinet. 3,264,046, 8–2–66, Cl. 312—26.

Preuss, Friedrich, and W. Ruckert, to Roland Offsetmaschinenfabrik Faber & Schleicher AG. Detecting device for the sheet feeder of a printing press. 3,287,015, 11–22–66, Cl. 271—57.

Preusse, William C.: *See*—
Kongpricha, Santad, and Preusse. 3,245,753.
Schwarer, Richard F., Kongpricha, and Preusse. 3,275,413.

Preusser, Henry M.: *See*—
Denton, Eric B., Preusser, and Hasenwinkle. 3,238,891.
Denton, Eric B., Preusser, and Hasenwinkle. 3,247,042.

Prevost, Camille: *See*—
Charles, Pierre, Prevost, and Testard. 3,292,883.

Preway, Inc.: *See*—
Jenson, Kenneth S., Gilbertson, and Chamberlain. 3,251,290.
Jenson, Kenneth S., and Suhr. 3,274,989.

Prewitt, Thomas A.: *See*—
Gaskill, George M., Prewitt, Kolbe, and Yott. 3,263,739.

Preziosi, Enrico, to Levolor Lorentzen, Inc. Venetian-blind construction for taking up lift-cord slack. 3,280,890, 10–25–66, Cl. 160—168.

Preziosi, Joseph R., to Elastic Stop Nut Corp. of America. Plastic patch, self-locking threaded fasteners. 3,294,139, 12–27–66, Cl. 151—7.

Preziosi, Joseph R., and J. L. Pryor, to Elastic Stop Nut Corp. of America. Spring pin. 3,227,030, 1–4–66, Cl. 85—36.

Preziosi, Luigi M., and J. J. Zecca, to Westinghouse Electric Corp. Baseless double-ended electric incandescent lamp. 3,265,923, 8–9–66, Cl. 313—318.

Pribble, Ferdinand C., to Honeywell Inc. Electrically recording paper. 3,265,531, 8–9–66, Cl. 117—216.

Pribonic, John F., to General Motors Corp. Remote level indication. 3,272,174, 9–13–66, Cl. 116—118.

Pribonic, John F., and G. W. Jackson, to General Motors Corp. Plural position control valve with built-in relief valve. 3,285,281, 11–15–66, Cl. 137—596.

Pribus, Clarence W., to Eastman Kodak Co. Film sprocket slip clutch operation for single frame projection. 3,291,355, 12–13–66, Cl. 226—66.

Pribyl, Edward J.: *See*—
Bernstein, Jack, and Pribyl. 3,270,036.

Price, Albert E., and L. H. Shils, to General American Transportation Corp. Railway hopper car body provided with an elongated loading hatch in the roof thereof. 3,266,440, 8–16–66, Cl. 105—377.

Price, Arthur. Electrically-heated paper drying drum. 3,239,652, 3–8–66, Cl. 219—469.

Price, Aubrey F.: *See*—
Lavin, Edward, Mont, and Price. 3,262,837.
Lavin, Edward, Mont, and Price. 3,271,235.

Price, Billy R., R. E. St. Pierre, and N. E. Lloyd, to Celanese Corp. of America. Apparatus for lubricating cigarette-filter-forming filamentary material. 3,232,268, 2–1–66, Cl. 118—234.

Price, Charles C., to The General Tire & Rubber Co. Polymerization of phenyl glycidyl ether. 3,288,750, 11–29–66, Cl. 260—47.

Price, Charles D.: *See*—
Finlay, Joseph M., and Price. 3,254,219.

Price Clair E., and C. B. Walworth, to The Carborundum Co. Refractory composition 3,231,401, 1–25–66, Cl. 106—57.

Price, David B., to Westinghouse Electric Corp. Automatic beverage maker. 3,285,158, 11–15–66, Cl. 99—281.

Price, David E., and H. J. Wagner, to Roehr Products Co., Inc. Method of forming composite metal bodies. 3,264,697, 8–9–66, Cl. 22—204.

Price, Donald K.: *See*—
Olney, Fred D., Jr., and Price. 3,292,051.
Sammons, Martin V., Baker, and Nixon. 3,262,340.

Price, Edgar E. Optical neutral controllable density filter. 3,291,554, 12–13–66, Cl. 350—285.

Price, Edison A.: *See*—
Goodbar, Isaac, and Price. 3,257,900.

Price, Edward B.: *See*—
Stickney, Fernald S., and Price. 3,277,230.

Price, Edward G., to The International Nickel Co., Inc. Iridium-sheathed wire for electron tubes. 3,271,849, 9–13–66, Cl. 29—420.5.

Price, Edward G., and L. D. Romhanyi, to The International Nickel Co., Inc. Iridium-tungsten alloy products. 3,262,779, 7–26–66, Cl. 75—172.

Price, Forest W., H. F. Koopmann, and W. A. Costa, to Fibreboard Paper Products Corp. Self-sealing shingle. 3,252,257, 5–24–66, Cl. 52—173.

Price, Frank B.: *See*—
Silver, Harold F., Steele, and Price. 3,248,263.
Steele, Clarence R., and Price. 3,247,021.
Steele, Clarence R., and Price. 3,257,235.

Price, Frank C.: *See*—
Tulleners, Anthony J., Reeg, and Price. 3,256,177.

Price, Franklin F. Archery glove. 3,262,126, 7–26–66, Cl. 2—159.

Price, George B.: *See*—
Bray, John R., Marshall, McGlaughlin, Taylor, and Price. 3,241,779.
Marshall, John L., Jr., and Price. 3,287,977.

Price, George C., and D. H. W. Fisher, to Oliver Electrical Mfg. Co. Pole mounting bracket. 3,239,183, 3–8–66, Cl. 248—230.

Price, George E., to Westinghouse Electric Corp. Oven heater assembly. 3,240,917, 3–15–66, Cl. 219—532.

Price, George R., to Safety Devices, Inc. Safety device for typesetting machines. 3,288,276, 11–29–66, Cl. 199—52.

Price, Glenn R., E. N. Walsh, and J. T. Hallett, to Stauffer Chemical Co. Phosphoro sulfenates. 3,258,463, 6–28–66, Cl. 260—251.

Price, Glenn R., and E. N. Walsh, to Stauffer Chemical Co. Pesticidal phosphorylated thiourea. 3,275,502, 9–27–66, Cl. 167—22.

Price, Glenn R., and E. N. Walsh, to Stauffer Chemical Co. Process for making dialkoxy phosphinyl carbamoyl disulfides. 3,281,507, 10–25–66, Cl. 260—968.

Price, Harold A.: *See*—
Reid, William P., and Price. 3,265,412.
Reid, William P., and Price. 3,265,414.

Price, Harold A., to J. M. Sorenson. Means for transporting and positioning a worker. 3,236,329, 2–22–66, Cl. 182—14.

Price, Harold A., to Reid Mfg. Inc. Flexible impervious cartridge filter. 3,266,628, 8–16–66, Cl. 210—94.

Price, Henry, ⅛ to E. A. Jones, and ⅛ to C. Ullrick. Flue gas scrubbing apparatus. 3,239,999, 3–15–66, Cl. 55—223.

Price, Herbert P., to Celanese Coatings Co., Inc. Curing of epoxy resins with polycarboxylates, polyhydric phenols of polyhydric alcohols and, as an accelerator, an alkali metal salt. 3,294,865, 12–27–66, Cl. 260—837.

Price, Hollas K. Safety automobile door locking device. 3,247,924, 4–26–66, Cl. 180—82.

Price Hollas K. Rocket engine fuel feeding system. 3,253,408, 5–31–66 Cl. 60—39.48.

Price, Hollas K. Thrust producing steering unit for space craft. 3,279,188, 10–18–66, Cl. 60—250.

Price, Hollas K. Safety automobile door locking device. 3,289,782 12–6–66, Cl. 180—82.

Price, Hoyd B.: *See*—
Washington, George D., and Price. 3,228,580.

Price, James, Jr., to Interchemical Corp. Method of decorating polyester textile fabrics and composition therefor. 3,266,863, 8–16–66, Cl. 8—44.

Price, James U., to Deering Milliken Research Corp. Production of composite stretch yarns. 3,255,579, 6–14–66, Cl. 57—12.

Price, James W.: *See*—
Knudsen, Raymond G., Price, and Olson. 3,273,430.

Price, Jerry L., to Monsanto Co. Removal of HCl from vinyl chloride by distillation in the presence of styrene oxide and a pyridine. 3,278,397, 10–11–66, Cl. 203—6.

Price, John A.: *See*—
Achon, Marco A., and Price. 3,271,376.

Price, John A., and R. F. Neblett, to Esso Research and Engineering Co. Preparation of glycol molybdate complexes. 3,285,942, 11–15–66, Cl. 260—429.

Price, John E., to Fairchild Camera and Instrument Corp. Semiconductor circuit module for a high-gain, high-input impedance amplifier. 3,264,493, 8–2–66, Cl. 307—88.5.

Price, Kenneth E., and H. Schmitz, to Bristol-Myers Co. Antibiotic ossamycin and method of preparing same. 3,271,253, 9–6–66, Cl. 167—65.

Price, Lew P. Combination trash can holder and disposal unit. 3,279,685, 10–18–66, Cl. 232—43.2.

Price, Lewis C., Jr., to Control Print Machinery Manufacturers Corp. Coding apparatus. 3,264,979, 8–9–66, Cl. 101—35.

Price, Lewis C., Jr., to Control Print Corp. Marking roll assembly with ink regulating means. 3,267,851, 8–23–66, Cl. 101—329.

Price, Lorenzo S.: *See*—
Buker, Harvey A., and Price. 3,252,166.

Price, Lowell T.: *See*—
Scoggin, Jack S., and Price. 3,272,787.

Price, Lowell T., and J. S. Scoggin, to Phillips Petroleum Co. Fractional distillation system with fluid product discharge control. 3,269,922, 8–30–66, Cl. 203—3.

Price, Montague B. Fastening device. 3,286,315, 11–22–66, Cl. 24—73.

Price, Murray K., to I-T-E Circuit Breaker (Canada) Ltd. Overload fast release relay. 3,249,812, 5–3–66, Cl. 317—12.

Price, Murray K., and B. J. Gilson, to I-T-E Circuit Breaker (Canada) Ltd. Constant voltage source for operation of series capacitor bank protective equipment. 3,249,811, 5–3–66, Cl. 317—12.

Price, Murray K., and B. J. Gilson, to I-T-E Circuit Breaker (Canada) Ltd. Rapid reinsertion protection system for series capacitor bank. 3,249,813, 5–3–66, Cl. 317—12.

Price, Murray K., and D. W. Gardner, to I-T-E Circuit Breaker (Canada) Ltd. Series capacitor system with sequentially coordinated dual spark gap protection. 3,249,814, 5–3–66, Cl. 317—12.

Price, Nathan C. Turbo-jet powerplant. 3,240,012, 3–15–66, Cl. 60—39.23.

Price, Nathan C. Turbo-jet powerplant. 3,240,016, 3–15–66, Cl. 60—39.36.

Price, Nathan C. Turbo-jet powerplant with toroidal combustion chamber. 3,269,119, 8–30–66, Cl. 60—39.36.

Price, Peter J.: *See*—
Gunn, John, and Price. 3,262,059.

Price, Peter J., to International Business Machines Corp. Logical devices. 3,239,688, 3–8–66, Cl. 307—88.5.

Price, Peter J., to Elliott Brothers (London) Ltd. Digital radar tracking systems. 3,246,324, 4–12–66, Cl. 343—7.3.

Price-Pfister Brass Mfg. Co.: *See*—
Hinderer, Gottlob. 3,263,476.
Hinderer, Gottlob. 3,266,822.

Price, Ralph E., to Landis Tool Co. Dual pressure work rest. 3,233,368, 2–8–66, Cl. 51—105.

Price, Ralph E., and J. R. Fries, to Landis Tool Co. Machine for grinding pistons automatically. 3,247,619, 4–26–66, Cl. 51—101.

Price, Richard G., Jr. Bracing means for telephone poles and the like. 3,256,656, 6–21–66, Cl. 52—148.

Price, Richard H.: *See*—
Ibiings, Jackson R., Inatomi, and Price. 3,280,992.

Price, Richard P., to API Instruments Co. Instrument dial printer which prints a particular dial for a particular instrument by reading discrete instrument pointer excursions and printing discrete dial indicia accordingly. 3,239,756, 3–8–66, Cl. 324—74.

Price, Thomas D., and K. D. Pope. Collapsible surfboard. 3,287,754, 11–29–66, Cl. 9—310.

Price, Tom B., to Texaco Inc. Hydraulic drilling and casing setting tool. 3,262,508, 7–26–66, Cl. 175—207.

Price, Vernon G., to General Electric Co. Microwave filter. 3,237,134, 2–22–66, Cl. 333—73.

Price, Warren L.: *See*—
Driza, Charles E., and Price. 3,272,379.

Price, William G., R. G. Powell, and G. E. Frederick, to ACF Industries, Inc. Shock absorbing support. 3,246,866, 4–19–66, Cl. 248—119.

Price, William R., Jr., and R. E. Norris, to General Mills, Inc. Process for prilling quaternary ammonium salt-urea complexes. 3,268,631, 8–23–66, Cl. 264—14.

Price, Willis H.: *See*—
O'Neil, John J., and Price. 3,245,850.

Pricenski, Theodore J.: *See*—
Matheson, Wilfrid G., Clune, and Pricenski. 3,274,374.
Reid, Robert B., and Pricenski. 3,284,893.
Reid, Robert B., and Pricenski. 3,285,518.

Pricenski, Theodore J., to Sylvania Electric Products Inc. Refractory metal conveyor belt. 3,268,064, 8–23–66, Cl. 198—193.

Pricer, Wilbur D., to International Business Machines Corp. Memory signal detector utilizing negative resistance diodes and an open transmission line. 3,264,495, 8–2–66, Cl. 307—88.5.

Pricer, Wilbur D., and N. G. Vogl, Jr., to International Business Machines Corp. Termination for combined bit and sense windings. 3,293,622, 12–20–66, Cl. 340—174.

Prichard, Evan S.: *See*—
Brennan, George A., and Prichard. 3,240,477.

Prichard, Evan S., and G. A. Brennan, to Challenge-Cook Bros., Inc. Transit mixer dolly. 3,246,884, 4–19–66, Cl. 259—161.

Prickett, Alexander W.: *See*—
Jones, Richard S., and Prickett. 3,268,021.

Prickett, Alexander W., to Westland Aircraft Ltd. Vehicles. 3,244,248, 4–5–66, Cl. 180—7.

Prickett, Oral C.: *See*—
Barker, Joan, and Prickett. 3,233,252.

Prickett, Paul: *See*—
Barton, Raymond W., Heckel, Prickett, and Swenson. 3,233,384.

Prickett, Tom, Jr.: *See*—
Dransfield, Clifford D., Woods, and Prickett. 3,239,289.
Dransfield, Clifford D., Woods, and Prickett. 3,250,980.
Lyons, James K., Prickett, and Woods. 3,229,784.
Woods, John P., Neitzel, and Prickett. 3,268,905.
Woods, John P., Prickett, Mullings, and Lyons. 3,268,910.

Prickett, Tom, Jr., and J. P. Wood, to The Atlantic Refining Co. Continuous wave apparatus with delay gated filter. 3,266,012, 8–9–66, Cl. 340—15.5.

Priday, Agnes: *See*—
Priday, Keith, and More. 3,244,487.

Priday, Keith, deceased (by A. and S. W. C. Priday, executors), and J. W. More, to Courtaulds Ltd. Apparatus for ageing alkali cellulose. 3,244,487, 4–5–66, Cl. 23—283.

Priday, Sidney W. C.: *See*—
Priday, Keith, and More. 3,244,487.

Priddy, Jack N., to General Motors Corp. Electrical conductor connecting device. 3,271,604, 9–6–66, Cl. 310—234.

Pride Creations, Inc.: *See*—
Rosenfeld, Henry. 3,293,783.

Pride, Joseph D., Jr., and W. E. Zorumski, to United States of America, National Aeronautics and Space Administration. Remote controlled tubular disconnect. 3,249,013, 5–3–66, Cl. 89—1.7.

Pridham, Donald C., Jr.: *See*—
Palmer, Reed A., Pridham, and Beck. 3,250,295.

Pridham, Donald C., Jr., R. A. Palmer, and L. P. Morris, to Robertshaw Controls Co. Vacuum operated electrical switch or the like. 3,233,059, 2–1–66, Cl. 200—83.

Pridham, Steven: *See*—
North, Charles W., Pridham, Bold, and Leicester. 3,250,099.

Priebe, Edward T., to General Motors Corp. Wheel cover. 3,259,438, 7–5–66, Cl. 301—37.

Priebe, Ronald L.: *See*—
Reynolds, Richard W., and Priebe. 3,277,708.

Priebs, Horst, to Anker-Werke Aktiengesellschaft. Electromechanical apparatus for converting coded into decoded digital values. 3,268,888, 8–23–66, Cl. 340—347.

Priebs, Horst, to Anker-Werke Aktiengesellschaft. Memory and control device for computing machines or the like. 3,274,349, 9–20–66, Cl. 200—5.

Prieditis, Paul A. E. R. Vehicle suspension. 3,290,054, 12–6–66, Cl. 280—106.5.

Priefert, Marvin J. Chute gate. 3,245,383, 4–12–66, Cl. 119—98.

Priem, Anthonius J. M.: *See*—
Brinck, Ernst J., and Priem. 3,290,855.

Priese, Werner K.: *See*—
Anderson, John H., and Priese. 3,231,235.

Priese, Werner K., to Hills-McCanna Co. Diaphragm valve with limited compression means. 3,250,511, 5–10–66, Cl. 251—331.

Priese, Werner K., to Hills-McCanna Co. Ball valve unit. 3,288,430, 11–29–66, Cl. 251—315.

Priesing, Charles P.: *See*—
Kelman, Sheldon, and Priesing. 3,252,900.

Priesing, Charles P., and S. Mogelnicki, to The Dow Chemical Co. Process for the elutriation of digested sludge. 3,247,102, 4–19–66, Cl. 210—10.

Priesing, Charles P., and S. Mogelnicki. Flocculation of sewage having controlled solids concentrations. 3,259,569, 7–5–66, Cl. 210—46.

Priesing, Charles P., and S. Mogelnicki, to The Dow Chemical Co. Dewatering aqueous suspensions of organic solids. 3,259,570, 7–5–66, Cl. 210—53.

Priesing, Charles P., H. Volk, and C. E. Grabiel, to The Dow Chemical Co. Method for modifying polymeric substances with high energy radiation. 3,281,263, 10–25–66, Cl. 117—62.

Priest, Donald H., and R. C. Talcott, to Eitel-McCullough, Inc. R-F window for high power electron tubes. 3,252,034, 5–17–66, Cl. 313—107.

Priest, Harry D. Door hardware. 3,261,051, 7–19–66, Cl. 16—1.

Priest, Joseph R.: *See*—
Budo, Yoshiro, Caswell, and Priest. 3,248,256.

Priest, Reid G., to Hyster Co. Trailer sled with retractable wheel assembly. 3,271,043, 9–6–66, Cl. 280—43.23.

Priest, Reid G., and D. K. McCurdy. Tower top for logging spar. 3,273,722, 9–20–66, Cl. 212—70.

Priestman, Bewley D.: *See*—
Krueger, Alfred E., and Priestman. 3,246,924.

Priestman, Bewley D., to General Motors Corp. Latch assembly. 3,240,524, 3–15–66, Cl. 292—341.

Priestman Bros. Ltd.: *See*—
Brocklebank, Norman. 3,291,328.

Prieto, Anthony, to Radio Corp. of America. Binary coded decimal counter circuits. 3,264,567, 8–2–66, Cl. 328—45.

Prieto, Martin A.: *See*—
Stewart, Robert D., Prieto, and Gordon. 3,258,309.

Prietzschk, Arthur: *See*—
Von Falkai, Bela, Prietzschk, Rellensmann, Reichle, and Wieden. 3,287,316.

Priewe, Hans, and K. Gutsche, to A. G. Schering. Certain 2-benzene sulfonamide-5-alkyl (or alkoxy) pyrimidine compounds. 3,275,635, 9–27–66, Cl. 260—256.5.

Priewe, Hans, and K. Gutsche, to Schering A.G. 2-tetrahydrofurfuryl-, 2-aliphatic-, and 2-aliphaticet sulfonamido-5-alkoxy-pyrimidines. 3,288,793, 11–29–66, Cl. 260—256.5.

Prigoff, Milton: *See*—
Keely, Clifford D. 3,281,999.

Prijatel, Edward A., to Borg-Warner Corp. Pump shaft seal. 3,272,518, 9–13–66, Cl. 277—30.

Prikryl, Jaroslav: *See*—
Budesinsky, Zdenek, Jelinek, and Prikryl. 3,275,633.

Prill, Erhard J.: *See*—
Eby, Charles J., and Prill. 3,252,857.
Wygant, James C., and Prill. 3,256,300.
Wygant, James C., Prill, and Anderson. 3,236,659.
Wygant, James C., Prill, and Monsanto Co. Ester lactones as plasticizers in polyvinyl chloride compositions. 3,267,062, 8–16–66, Cl. 260—30.4.

Prillieux, Marcel: *See*—
Bernardy, Claude, Prillieux, and Muths. 3,290,387.

Primak, George J. Method for the production of casting slip. 3,257,218, 6–21–66, Cl. 106—73.

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Strom, Kenneth G. 3,283,631.

Prime Movers (Wiltshire) Ltd.: *See*—
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Sherwen, Theo. 3,237,709.

Primich, Theodore, and H. R. Nichols, to Gary Steel Products Corp. Sheet metal pipe fitting. 3,290,066, 12–6–66, Cl. 285—183.

Primrose, Tommie H., and W. E. Boen, to Phillips Petroleum Co. Stuffing box packing. 3,284,086, 11–8–66, Cl. 277—1.

Prince, Albert R.: *See*—
Kuberry, Richard W., Prince, and Shopple. 3,281,662.

Prince, Arthur E., to Otis Elevator Co. Illuminated push button switch assembly. 3,267,926, 8–23–66, Cl. 200—167.

Prince, David C. Recording, translating, and retrieving of intelligence. 3,233,226, 2–1–66, Cl. 340—172.5.

Prince Edward Island Frosted Foods Ltd.: *See*—
Heatherington, Robert J., Ward, and Wright. 3,259,135.

Prince, Edward R., Jr.: *See*—
Hines, Harley F., and Prince. 3,292,141.

Prince, Fred J., K. E. Bauer, and J. J. Schwartz, to Hupp Corp. Radiant heating device. 3,251,356, 5–17–66, Cl. 126—92.

Prince Gardner Co., Inc.: *See*—
Burniski, Anthony J. 3,292,225.

Prince Jidosha Kogyo Kabushiki-Kaisha: *See*—
Kobayashi, Yasushi. 3,233,634.

Prince, Morris D., to Lockheed Aircraft Corp. Electrical apparatus and method for scene enhancement. 3,283,070, 11–1–66, Cl. 178—6.8.

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Brault, James W. 3,270,213.

Princeton Chemical Research, Inc.: *See*—
Bergman, Richard I., and Frisch. 3,293,268.

Principotta, Josef E., Jr., to The Bunker-Ramo Corp. Vacuum operated solder removing filter. 3,289,399, 12–6–66, Cl. 55—445.

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Pan, Samuel C., and Principe. 3,291,702.

Prindle, Hershel B.: *See*—
Harrell, Bob R., Prindle, and Edwards. 3,238,155.

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Prines, Frank J.: *See*—
Pledger, Eugene R., and Prines. 3,295,044.

Pring, Vernon R. Vehicle fuel metering system. 3,252,322, 5–24–66, Cl. 73—113.

Pringle, Frank E., Jr.: *See*—
James, Robert C., Wilson, and Pringle. 3,274,746.

Prins, Klaas. Centrifugal separator of the continuous process type. 3,248,045, 4–26–66, Cl. 233—2.

Prins, Klaas, and H. Dunfee. Centrifugal type separator. 3,288,286, 11–29–66, Cl. 209—211.

Print & Plastics (Proprietary) Ltd.: *See*—
Sack, Joseph. 3,284,102.

Printed Circuits, Inc.: *See*—
Aske, Leonard E. 3,246,849.

Printed Motors Inc.: *See*—
Burr, Robert P. 3,259,768.
Henry-Baudot, Jacques. 3,227,903.
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Redding, Edward M. 3,277,823.

Printz, Stanley M., to Cabin Crafts, Inc. Apparatus for applying polyurethane foam backing to fabrics. 3,251,092, 5–17–66, Cl. 18—5.

Printz, Warren G., D. Rubenis, and W. Lithgo, to Diamond International Corp. Web winding apparatus. 3,237,877, 3–1–66, Cl. 242—66.

Printz, Warren G., and H. C. Newcomb, to Diamond International Corp. Unwind or backstand for web winding apparatus. 3,250,483, 5–10–66, Cl. 242—65.

Prinz, Eberhard: *See*—
Mauz, Otto, and Prinz. 3,275,597.

Prior, Arthur C., to National Research Development Corp. Superconductive circuit arrangements. 3,271,628, 9–6–66, Cl. 317—123.

Prior, Joseph E., to Mobil Oil Corp. Process of increasing the tensile strength of nylon filament with chlorine or bromine substituted lower alkanes. 3,279,944, 10–18–66, Cl. 117—138.8.

Prior, William C., to Speed Selector, Inc. Manufacture of variable speed pulleys and the like. 3,252,346, 5–24–66, Cl. 74—230.16.

Priore, Antoine. Method of producing radiations for penetrating living cells. 3,280,816, 10–25–66, Cl. 128—1.3.

Prisbe, Ernest J., to United-Carr Inc. Belt buckle. 3,285,700, 11–15–66, Cl. 24—280.

Priscilla, Thomas A.: *See*—
Brown, James H., and Priscilla. 3,263,206.

Priscu, John C., to Titanium Metals Corp. of America. Electrolytic cell for the production of titanium. 3,282,822, 11–1–66, Cl. 204—246.

Priscu, John C., and L. E. Snyder, to Titanium Metals Corp. of America. Gettering device. 3,273,970, 9–20–66, Cl. 23—277.

Prismo Safety Corp.: *See*—
Brown, Carl F., Jr., and Florstedt. 3,287,157.
De Vries, Eduard R. 3,247,153.
De Vries, Eduard R. 3,252,376.
De Vries, Eduard R. 3,253,146.
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De Vries, Eduard R., and Ross. 3,254,563.
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Shaffer, William R., and Dunn. 3,255,282.
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Wissinger, Samuel E., Jr. 3,291,633.

Prister, Charles, Jr., to Eastman Kodak Co. Viewfinder with long eye relief having framing and centering means. 3,240,107, 3–15–66, Cl. 88—1.5.

Pritchard, Clarence L.: *See*—
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Pritchard, Colin, and S. A. Zeitman, to Westinghouse Electric Corp. Processing semiconductive material. 3,271,211, 9–6–66, Cl. 148—187.

Pritchard, Dalton H., to Radio Corp. of America. Cascaded phosphor layer for color display including one of discrete coherent particles. 3,231,775, 1–25–66, Cl. 313—92.

Pritchard, George A., and L. F. Van Zile. Impregnating and coating apparatus. 3,267,902, 8–23–66, Cl. 118—642.

Pritchard, J. F., and Co.: *See*—
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Wilson, William J. 3,248,278.

Pritchard, James E., to Phillips Petroleum Co. Polypropylene blended with butadiene-styrene block copolymer. 3,294,868, 12–27–66, Cl. 260—876.

Pritchard, Melvin C., and M. S. Singer, to United States of America, Navy. High voltage-high frequency vacuum switch. 3,277,261, 10–4–66, Cl. 200—144.

Pritchard, Paul B., to General Motors Corp. Clutch with slotted spring disc. 3,237,739, 3–1–66, Cl. 192—89.

Pritchard, Peter E., to Audio Dynamics Corp. Phonograph pick-up. 3,294,405, 12–27–66, Cl. 274—37.

Pritchard, Vern T.: *See*—
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Pritchett, Ervin G., and N. L. Hofmann, to National Distillers and Chemical Corp. Purification of diene monomers. 3,267,168, 8–16–66, Cl. 260—681.5.

Pritchett, William C.: *See*—
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Reed, Dale H., Dunlap, and Pritchett. 3,246,157.
Reed, Dale H., McCallum, and Pritchett. 3,258,593.

Pritikin Nathan, B. Feldman, and A. Romera, to Intellux Inc. Circuit module. 3,289,045, 11–29–66, Cl. 317—101.

Pritzkow, Andreas: *See*—
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Prival, Katharine B., to Bell Telephone Laboratories, Inc. Method of making reed-type switch contacts. 3,251,121, 5–17–66, Cl. 29—155.55.

Prival, Katharine B., to Bell Telephone Laboratories, Inc. Resilient twin nonmagnetic auxillary contacts for miniature dry reed sealed switch. 3,254,173, 5–31–66, Cl. 200—87.

Prival, Katharine B., to Bell Telephone Laboratories, Inc. Encapsulated circuit controlling device. 3,261,939, 7–19–66, Cl. 200—87.

Pro, George M., to Air Placement Equipment Co., Inc. Shut-off valve for cementitious pressure vessels. 3,272,474, 9–13–66, Cl. 251—175.

Probasco, Harold T. Means for detecting slugs in coin-controlled mechanisms. 3,227,257, 1–4–66, Cl. 194—61.

Probe and Develop, Inc.: *See*—
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Probert, Paul B.: *See*—
Ammon, Johannes H., Sprague, Schlichting, and Probert. 3,245,464.

Probert, Walter L., to A. O. Smith Corp. Pulse separating and transmitting circuit. 3,243,800, 3–29–66, Cl. 340—361.

Probst, John F., to Amsted Industries Inc. Safety interlock. 3,234,827, 2–15–66, Cl. 82—22.

Probst, Robert L., C. H. Sayre, and P. I. Karp, to Federal-Mogul-Bower Bearings, Inc. Atomizing nozzle. 3,253,783, 5–31–66, Cl. 239—82.

Proc, John: *See*—
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Procasky, Leslie G.: *See*—
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Procef S.A.: *See*—
Vogt, Knrt. 3,229,924.

Prochaska, Robert J., to General Electric Co. Aromatic carbonates. 3,274,214, 9–20–66, Cl. 260—340.2.

Prochaska, Robert J., to General Electric Co. Polycarbonate resins modified with novolac polymers or coumarone-indene polymers. 3,294,862, 12–27–66, Cl. 260—829.

Prochnow, Rudolf, to Fernseh G.m.b.H. Adjustable head wheel panel for video tape recorders. 3,227,815, 1–4–66, Cl. 179—100.2.

Procopio, Oreste, to Rohm & Haas Co. Process for curing millable polyurethane gum. 3,250,840, 5–10–66, Cl. 264—175.

Procter & Gamble Co., The: *See*—
Anderson, Donald C. 3,240,242.
Anderson, Donald C. 3,254,766.
Artman, Neil R. 3,244,735.
Baker, Joseph S., Dasher, and Ince. 3,245,803.
Baker, Joseph S., Mersfelder, and Wille. 3,266,905.
Barton, Stanley. 3,255,082.
Bedenk, William T., and Dobson. 3,253,928.
Berry, Jim S. 3,255,116.
Berry, Jim S., and Lyness. 3,257,462.
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Bruce, Charles F. 3,234,029.
Burt, Robert V. 3,238,693.
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Cambre, Cushman M., and Herrmann. 3,227,749.
Cambre, Cushman M., and Theile. 3,239,560.
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Colby, Edward E. 3,245,807.
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Davis, Jerry E. 3,253,006.
Diehl, Frances L., and Laughlin. 3,235,506.
Doering, William Von E. 3,243,463.
Drew, Howard F., and Lange. 3,241,980.
Drew, Howard F., and Zimmerer. 3,234,139.
Ennever, John J. 3,235,460.
Erman, William F., and Kretschmar. 3,288,803.
Francis, Marion D. 3,235,459.
Gex, Virgil E. 3,246,536.
Going, Louis H., and Dobson. 3,253,927.
Gowdy, William R., and Milenkevich. 3,227,332.
Hendricks, Milton H. 3,247,121.
Howard, Norman B., Hughes, and Strobel. 3,268,337.
Japikse, Cornelis H. 3,265,507.
Judge, Leo F., and Kooyman. 3,235,455.
Judge, Leo F., and Kooyman. 3,281,366.
Kamlet, Jonas. 3,261,856.
Karsten, Kenneth S., Taylor, and Parran. 3,236,733.
Kessler, Adriaan, Layne, and Specter. 3,231,397.
Kooistra, John A., Jr. 3,294,547.
Koren, Paul M., and Schwain. 3,272,634.
Lawrence, Benjamin, and Liepa. 3,293,771.
Lucas, Malcolm B. 3,269,516.
Lyness, Warren I., and O'Connor. 3,288,858.
Lyness, Warren I., and O'Connor. 3,288,859.
Lyness, Warren I., O'Connor, and Berry. 3,288,860.
Markgraf, John H., and Taylor. 3,249,549.
Markgraf, John H., and Taylor. 3,249,640.
Martin, James B. 3,248,227.
Morris, Robert L. 3,234,258.
Motl, Charles W. 3,248,413.
Reller, Herbert H., and Jordan. 3,256,200.
Reller, Herbert H., and Quinn. 3,244,636.
Roy, Clarence H. 3,251,907.
Sanders, Judson H., and Ince. 3,228,774.
Sinclair, Henry B. 3,241,979.
Slocum, Donald H. 3,272,639.
Smith, Lloyd D. 3,258,156.
Strobel, Rudolf G. K. 3,268,338.
Thomas, James H., and Burt. 3,272,359.
Troller, John A. 3,276,881.
Tucker, Nathaniel B., and Ifland. 3,231,618.
Watrous, Howard N., and Hood. 3,273,300.
Willhite, William J. 3,260,359.
Willhite, William J. 3,262,423.
Wootton, James C., and Baur. 3,290,340.
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Procter, James P., H. Cole, and B. Yale, to Pilkington Bros. Ltd. Manufacture of glass. 3,287,095, 11–22–66, Cl. 65—2.

Procter, Samuel A. Controlled pulse progression circuits with complementary transistors. 3,290,515, 12–6–66, Cl. 307—88.5.

Proctor, Barton A., 33⅓% to Albert C. Nolte. Electrical indicating means for tape recording machines. 3,243,189, 3–29–66, Cl. 274—17.

Proctor, Barton A., to Proctor Dictating Machine Corp. Sound recording and reproducing apparatus. 3,279,799, 10–18–66, Cl. 274—11.

Proctor, Dale D.: *See*—
Cofer, Daniel B., Kudla, Martin, and Proctor. 3,286,791.
Cofer, Daniel B., Proctor, and Ward. 3,279,000.
Cofer, Daniel B., Ward, and Proctor. 3,257,835.

Proctor Dictating Machine Corp.: *See*—
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Proctor, Donald R., and D. E. Sweet, to Electric Engineering Co. of California. Negative-feedback transistorized electrical continuity tester. 3,259,841, 7–5–66, Cl. 324—62.

Proctor, Donald R., and D. E. Sweet, to Electronic Engineering Co. of California. Electrical resistance tester. 3,283,244, 11–1–66, Cl. 324—62.

Proctor, Edward A. Auxiliary wind bracing. 3,232,012, 2–1–66, Cl. 52—1.

Proctor, Edward D.: *See*—
Bauer, Peter, and Proctor. 3,267,481.

Proctor, Gerald C.: *See*—
Cunningham, Francis V., and Proctor. 3,236,002.

Proctor, James A.: *See*—
Bond, Frank D., Jr., Matsch, and Proctor. 3,240,234.

Proctor, Noel B.: *See*—
Wood, Fenton M., and Proctor. 3,226,976.

Proctor, Noel B., to American Machine & Foundry Co. Ultrasonic inspection device. 3,228,232, 1–11–66, Cl. 73—67.7.

Proctor, Richard D. J.: *See*—
Farmer, Everett W., and Proctor. 3,283,348.

Proctor, Richard D. J., and S. S. Ballard, to Sanders Associates, Inc. Separable depth selection drive train. 3,262,089, 7–19–66, Cl. 340—2.

Proctor, Ronald A., to Britax (London) Ltd. Inertia operated mechanism. 3,237,729, 3–1–66, Cl. 188—136.

Proctor, Russell C.: *See*—
Huntress, Charles O., and Proctor. 3,241,707.

Proctor, Russell C., and H. Weinstein, to Conch International Methane Ltd. Roof structure for ground reservoir. 3,241,274, 3–22–66, Cl. 52—83.

Proctor & Schwartz, Inc.: *See*—
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Draving, Robert C. 3,256,569.
Powischill, John W. 3,259,995.
Powischill, John W. 3,292,272.
Stradling, John H. 3,258,164.
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Proctor, Sidney E., to Austin Hoy and Co. Ltd. Coupling device. 3,243,213, 3–29–66, Cl. 287—119.

Proctor-Silex Corp., The: *See*—
Manship, Luther P., Turner, and Zamiska. 3,282,196.
Wagner, Robert J., and Fagan. 3,237,325.

Proctor, Thomas, and N. Woo, to General Dynamics Corp. Frequency modulation sum and difference stereo having predetection compensating means. 3,258,537, 6–28–66, Cl. 179—15.

Proctor, Walter E. Instant coffee dispensing device. 3,263,866, 8–2–66, Cl. 222—181.

Prodelin, Inc.: *See*—
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Producers Creamery Co.: *See*—
Stumbo, Charles R., and Heinemann. 3,235,387.

Producktionsaktieselskabet Forotor Copenhagen: *See*—
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Product Design & Engineering, Inc.: *See*—
Porter, Alvin J., and Mathison. 3,240,404.
Porter, Alvin J., and Mathison. 3,263,874.

Product Experimental Development: *See*—
Blaske, Joseph A., Sr. and J. T., Jr. 3,284,125.

Product Promotions & Development Corp.: *See*—
Griesbach, Horace U. 3,249,091.

Product R & D, Inc.: *See*—
Jacobs, William H., Nahikian, and Armstrong. 3,272,380.
Witzel, Walter H., Armstrong, and Nahikian. 3,238,963.

Production Feeder Corp.: *See*—
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Production Machinery Corp.: *See*—
Foreman, Archie R. 3,236,431.
Foreman, Archie R. 3,292,022.
Ranney, Neil J. 3,241,735.
Ranney, Neil J., and Callaghan. 3,281,957.

Production Technologies, Inc.: *See*—
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Bien, Howard L. 3,292,461.

Productive Equipment Corp.: *See*—
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Products Design & Engineering, Inc.: *See*—
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Products Development Co.: *See*—
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Products Engineering Co.: *See*—
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Products International Inc.: *See*—
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Products Research Co.: *See*—
Burdorf, Lawrence A., and Dahms. 3,226,786.
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Bigot, Bernard, and Moraillon. 3,249,421.
Chassaing, Pierre, and Coillard. 3,281,471.
Goharel, Maurice, Seigneurin, and Hamelin. 3,294,696.
Guillemin, Claude, and Wetroff. 3,248,856.
Petit, Roland, Kazis, and Wetroff. 3,276,999.

Proebster, Walter E.: *See*—
Dietrich, Wolfgang, Louis, and Proebster. 3,257,649.

Proebster, Walter E., to International Business Machines Corp. Magnetic thin film transducer. 3,271,751, 9–6–66, Cl. 340—174.1.

Proebster, Walter E., K. Kohler, and W. Dietrich, to International Business Machines Corp. Device for controlling a process representable by electrical oscillations and including digital conversion means. 3,227,952, 1–4–66, Cl. 324—79.

Proebstle, Richard A.: *See*—
Lang, James E., Proebstle, and Wisnyi. 3,285,826.

Proell, Wayne A., to Standard Oil Co. Igniter composition comprising pyrotechnic dispersion in solid propellant. 3,234,059, 2–8–66, Cl. 149—19.

Proell, Wayne A., to Standard Oil Co. Method of making solid propellant. 3,236,703, 2–22–66, Cl. 149—19.

Proell, Wayne A., to Standard Oil Co. High-temperature illuminating flare. 3,273,499, 9–20–66, Cl. 102—37.8.

Profitt, Henry J., and D. W. King, to Morganite Thermal Designs Ltd. Electrically heated furnace for molten metal. 3,293,412, 12–20–66, Cl. 219—421.

Profos, Paul, to Sulzer Freres, S.A. Method and apparatus for opertaing a forced flow steam generator. 3,230,937, 1–25–66, Cl. 122—451.

Profos, Paul, to Sulzer Bros. Ltd. Method and apparatus for controlling rate of temperature changes of heat generators during startup and shutdown. 3,250,259, 5–10–66, Cl. 122—406.

Progil: *See*—
Schneider, Gerard. 3,274,121.

Prögler, Hans, to Gesellschaft fur Linde's Eismaschinen Aktiengesellschaft. Storage container for liquefied gases. 3,246,789, 4–19–66, Cl. 220—15.

Programmed & Remote System Corp.: *See*—
Melton, Donald F., and Neumeier. 3,247,979.
Melton, Donald F., Rose, and Hedin. 3,280,991.
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Neumeier, Karl E. 3,261,589.

Progress-O-Matic, Inc.: *See*—
Helm, Bobby J., and Bledsoe. 3,229,718.

Progress Pattern Co.: *See*—
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Progressive Metal Equipment, Inc.: *See*—
Brodsky, Benjamin, and Sorensen. 3,248,011.

Progressive Products, Inc.: *See*—
Carlson, Gilbert F. 3,262,145.

Prohaszka, Peter J. H., and W. K. Enos, Jr., to Westinghouse Electric Corp. Glass tube cooling device and method of cooling glass tubing. 3,260,586, 7–12–66, Cl. 65—85.

Prohofsky, Le Roy A.: *See*—
Eddy, Charles W., and Prohofsky. 3,274,520.

Projahn, Emil, to Metallwarenfabrik Birrwil AG. Safety closure for the filling valve of a fuel reservoir of lighters. 3,254,791, 6–7–66, Cl. 220—86.

Projahn, Emil, to Gebruder Kollish. Gas cigarette lighter. 3,280,599, 10–25–66, Cl. 67—7.1.

Project Engineering Co., Inc.: *See*—
Weaver, Paul J. 3,258,026.

Projector, Theodore H., and R. S. Rinkinen. Inflatable lights and signs for airports. 3,233,352, 2–8–66, Cl. 40—130.

Projects Unlimited, Inc.: *See*—
Wyse, David S. 3,254,323.

Prokish, Paul R.: *See*—
Loeffler, John E., Jr., McAlister, and Prokish. 3,285,707.
Loeffler, John E., Jr., McAlister, and Prokish. 3,285,708.
Loeffler, John E., Jr., and Prokish. 3,287,090.

Prokopowicz, Thomas I., and H. I. Geller, to Sprague Electric Co. Modified barium titanate ceramic materials and capacitor. 3,231,799, 1–25–66, Cl. 317—258.

Prokupek, Stanley, and R. F. Hart. Heating and cooling system and valve means therefor. 3,227,372, 1–4–66, Cl. 237—59.

Proler, Herman J.: *See*—
Proler, Sam and H. J. 3,255,906.

Proler, Sam. Piggy-back loader. 3,252,608, 5–24–66, Cl. 214—516.

Proler, Sam and H. J., to Proleride Transport Systems, Inc. Transportable containers. 3,255,906, 6–14–66, Cl. 214—390.

Proleride Transport Systems, Inc.: *See*—
Proler, Sam and H. J. 3,255,906.

Proll, Peter S. Keyboard assembly for a musical instrument. 3,263,550, 8–2–66, Cl. 84—423.

Promecan Sisson-Lehmann, Societe Anonyme: *See*—
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Promin, Robert M., and W. F. Bankauf, to Litton Industries, Inc. Extensible belt conveyor. 3,272,315, 9–13–66, Cl. 198—204.

Promish, Donald I., to United States of America, Navy. Photodetecting apparatus having cryogenic cooling and flushing means. 3,258,602, 6–28–66, Cl. 250—238.

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Mecho, Joaquin P., and Sicilia. 3,243,299.

Prono, Edward, L. H. Shinault, and C. Spelsman, to North American Aviation, Inc. Segmented ball valve and flowmeter. 3,244,002, 4–5–66, Cl. 73—198.

Proops, William R., to Union Carbide Corp. Epoxide compositions containing tin curing catalysts. 3,264,280, 8–2–66, Cl. 260—2.

Proops, William R., to Union Carbide Corp. Epoxide compositions containing a catalytic amount of a stannic organophosphate. 3,281,376, 10–25–66, Cl. 260—2.

Proops, William R., to Union Carbide Corp. Epoxide compositions. 3,284,383, 11–8–66, Cl. 260—18.

Properzi, Ilario. Device for cooling the rod being formed in a machine for the continuous casting of metal rods of indefinite length. 3,261,059, 7–19–66, Cl. 22—57.4.

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Speelman, Irving A. 3,255,873.
Speelman, Irving A. 3,275,099.

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Propst, Robert L., to Herman Miller, Inc. Seating. 3,230,011, 1–18–66, Cl. 297—441.

Propst, Robert L., to Herman Miller Inc. Bed construction. 3,233,255, 2–8–66, Cl. 5—66.

Propst, Robert L., to Herman Miller Inc. Panel having multidirectional flexibility. 3,233,885, 2–8–66, Cl. 267—1.

Propst, Robert L., to Herman Miller, Inc. Stackable cart with removable load supporting means. 3,241,850, 3–22–66, Cl. 280—33.99.

Propst, Robert L., to Herman Miller, Inc. Hospital furniture. 3,241,898, 3–22–66, Cl. 312—107.

Propst, Robert L., to Herman Miller, Inc. Litter. 3,252,189, 5–24–66, Cl. 5—82.

Propst, Robert L., to Herman Miller, Inc. Crop thinner. 3,252,249, 5–24–66, Cl. 47—1.43.

Propst, Robert L., to Herman Miller, Inc. Shelf organizer. 3,285,429, 11–15–66, Cl. 211—184.

Propst, Robert L., and R. H. Beckman. Multi-directional molded spring assembly. 3,280,410, 10–25–66, Cl. 5—353.

Propster, Charles H., Jr., to General Electric Co. Multiple shift registers. 3,267,435, 8–16–66, Cl. 340—172.5.

Propster, Charles H., Jr., to International Business Machines Corp. Wire installation. 3,279,040, 10–18–66, Cl. 29—155.5.

Proskauer, Walter, to Eitel-McCullough, Inc. Tuning mechanism for electron discharge devices. 3,227,916, 1–4–66, Cl. 315—5.48.

Proskauer, Walter, to Electrostatic Printing Corp. of America. Stencil screen frame attachment and tensioning means. 3,280,731, 10–25–66, Cl. 101—127.1.

Proskow, Stephen, to E. I. du Pont de Nemours and Co. Sulfur-containing polymers and their preparation. 3,284,187, 2–8–66, Cl. 260—79.

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Harrison, Walter G., Gary, and Audet. 3,231,066.
Harrison, Walter G., Gary, and Audet. 3,231,068.

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Delacour, Jacques. 3,235,005.

Prospection Electrique Schlumberger, S.A., Societe de: *See*—
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Reyne, Maurice. 3,251,300.

Prosser, Adam W., to The Dow Chemical Co. Underground line and method of installing same. 3,282,057, 11–1–66, Cl. 61—72.1.

Prosser, Clyde W. Portable scaffolds. 3,241,634, 3–22–66, Cl. 182—144.

Prosser, David C., and J. A. Ronning, Jr., to Cutler-Hammer, Inc. Conveyor belt with code elements. 3,275,123, 9–27–66, Cl. 198—38.

Prosser, David G., R. K. Engholdt, and H. F. Alfery, to Erie Mfg. Co. Liquid control valve. 3,228,416, 1–11–66, Cl. 137—423.

Prosser, Joe C., and R. H. Singleton, to General Motors Corp. Reaction motor exhaust nozzle incorporating a fusible coolant. 3,282,421, 11–1–66, Cl. 239—127.3.

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Plambeck, Ronald F. 3,267,300.

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Prothe, Emil G. Container closure. 3,232,471, 2–1–66, Cl. 215—43.

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Prottengeier, Fritz, to Artos Maschinenbau, Dr. Ing. Meier-Windhorst. Drive for tentering chains. 3,264,704, 8–9–66, Cl. 26—57.

Protzek, William L., and E. H. Gleason, to Koppers Co., Inc. Baked metal primers of ternary butadiene polymer and phosphoric acid. 3,259,601, 7–5–66, Cl. 260—29.7.

Proudlove, Joseph, to Pennsalt Chemicals Corp. Drag bushing for a centrifuge. 3,288,361, 11–29–66, Cl. 233—23.

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Moore, Donald E., Prout, and Miller. 3,268,498.

Prouty, Robert E., to Esso Wire Corp. Electromagnetic relay. 3,261,943, 7–19–66, Cl. 200—87.

Provencher, Alphonse J. Tool for installing groove liners. 3,284,886, 11–15–66, Cl. 29—235.

Provenzano, Anthony. Splash guard attachment for meat grinder. 3,242,957, 3–29–66, Cl. 146—182.

Provisor, Henri, to North American Philips Co., Inc. Method for coating an indirectly heated cathode. 3,262,814, 7–26–66, Cl. 117—227.

Prowse, Lawrence O. Nursery bathette. 3,261,651, 7–19–66, Cl. 312—290.

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Prox, Robert F., Jr. 3,275,376.

Prox, Robert F., Jr., to Frank Prox Co., Inc. Retainer for coal cutter bits. 3,275,376, 9–27–66, Cl. 299—92.

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Braun, Paul E., and Pruchno. 3,263,972.
Braun, Paul E., Pruchno, and Freismuth. 3,281,130.

Pruett, Roy L., to Union Carbide Corp. Production of cyclic dienes. 3,261,875, 7–19–66, Cl. 260—666.

Pruim, Fred, and I. E. Mischler, to Borg-Warner Corp. Adjustable bed. 3,267,493, 8–23–66, Cl. 5—63.

Pruitt, Arnold W., Sr., to F. R. Pruitt, by Court order. Occupant-propelled plural axis roundabout. 3,276,777, 10–4–66, Cl. 272—35.

Pruitt, Charles L. Football device for kicking practice. 3,227,450, 1–4–66, Cl. 273—55.

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Pruitt, Wilbur C., and W. J. Schroder. Diepoxide containing latex coating for improving the adhesion of plural coated polyester fiber to rubber. 3,231,412, 1–25–66, Cl. 117—76.

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Prusinski, Richard C., M. Fermani, A. Torcolacci, and L. Fermani, to Architectural Research Corp. Insulated structural panel with synthetic foam core and ornamental facing of visible discrete particulate material. 3,232,017, 2–1–66, Cl. 52—309.

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Prutton, Howard D. 3,267,499.

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Steinberg, Meyer, Pruzansky, and Kramer. 3,265,602.

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Pryce, Vaughn K. Detachable handles. 3,272,547, 9–13–66, Cl. 294—31.

Pryce, Vaughn K. Detachable handles. 3,285,648, 11–15–66, Cl. 294—16.

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Miller, William R., Cowan, and Pryde. 3,287,326.

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Pryor, Claude E. Front end loader. 3,252,606, 5–24–66, Cl. 214—140.

Pryor, Dale H. and J. E., and A. A. Ashton, to The Youngstown Sheet and Tube Co. Plural motor, generator-fed electric drive for drawworks. 3,231,803, 1–25–66, Cl. 318—45.

Pryor, Donald M., and L. F. Cason, to Minnesota Mining and Mfg. Co. Anti-tarnish composition for copper-containing surfaces. 3,248,235, 4–26–66, Cl. 106—3.

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Pryor, Joseph L.: *See*—
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Pryor, Michael J., to Olin Mathieson Chemical Corp. Process for activating aluminum containing anode and anode. 3,228,866, 1–11–66, Cl. 204—197.
Pryor, Michael J., to Olin Mathieson Chemical Corp. Improved method forming aluminum-magnesium sheet. 3,234,053, 2–8–66, Cl. 148—11.5.
Pryor, Michael J., to Olin Mathieson Chemical Corp. Copper base alloys and process for preparing same. 3,259,491, 7–5–66, Cl. 75—162.
Pryor, Michael J., to Olin Mathieson Chemical Corp. Composite sheet metal article. 3,290,125, 12–6–66, Cl. 29—183.
Pryor, Michael J., D. S. Keir, and P. R. Sperry, to Olin Mathieson Chemical Corp. Primary cell. 3,240,629, 3–15–66, Cl. 136—100.
Pryor, Michael J., D. S. Keir, and P. R. Sperry, to Olin Mathieson Chemical Corp. Aluminum alloy electrode. 3,240,688, 3–15–66, Cl. 204—148.
Pryor, Michael J., D. S. Keir, and P. R. Sperry, to Olin Mathieson Chemical Corp. Aluminum conductor and process for obtaining same. 3,241,953, 3–22–66, Cl. 75—138.
Pryor, Michael J., D. S. Keir, and P. R. Sperry, to Olin Mathieson Chemical Corp. Heat treating process for aluminum base alloys containing tin. 3,250,649, 5–10–66, Cl. 148—13.
Pryor, Michael J., D. S. Keir, and P. R. Sperry, to Olin Mathieson Chemical Corp. Aluminum base alloy. 3,282,688, 11–1–66, Cl. 75—138.
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Psenka, Joseph A., to National Broach & Machine Co. Concentricity broach. 3,231,962, 2–1–66, Cl. 29—95.1.
Psenka, Joseph A., to National Broach & Machine Co. Broach. 3,267,552, 8–23–66, Cl. 29—95.1.
Psenka, Joseph A., to National Broach & Machine Co. Concentricity broach. 3,276,099, 10–4–66, Cl. 29—95.1.
Psenka, Joseph A., to National Broach & Machine Co. Broach. 3,276,100, 10–4–66, Cl. 29—95.1.
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Ptacnik, Edmund, to Siemens & Halske Aktiengesellschaft. Linking circuit utilizing only the linear range of the repeater core. 3,277,308, 10–4–66, Cl. 307—88.
Pua, James, to General Electric Co. Electron gun assembly with long life annular cathode curvilinear electron flow. 3,250,936, 5–10–66, Cl. 313—85.
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Pucci, Joseph, and T. J. Ryan. Metal extrusion. 3,290,853, 12–13–66, Cl. 52—730.
Pucci, Pacifico G. Disposable gun cleaning kit. 3,262,557, 7–26–66, Cl. 206—16.
Pucciarello, Frank F., and M. Wapner, to Weston Instruments, Inc. Rotary-to-linear translating mechanism. 3,232,126, 2–1–66, Cl. 74—18.1.
Puccinelli, Alfred R. Ice detector means. 3,268,883, 8–23–66, Cl. 340—234.
Puchala, Helmut, H. Anselm, and W. Keil, to Consortium fur Elektrochemische Industrie G.m.b.H. Curing agent for epoxides. 3,244,670, 4–5–66, Cl. 260—47.
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Puckett, Stanford L., and L. H. McGraw; 12½% to E. G. Fisher and 12½% to R. P. McGraw. Solar refrigeration unit. 3,242,679, 3–29–66, Cl. 62—2.
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Puddington, Ira E., H. M. Smith, and J. R. Farnand, to National Research Council. Process for the separation of solids by agglomeration. 3,268,071, 8–23–66, Cl. 209—5.
Pudelko, Hermann, to Durkoppwerke A.G. Buttonhole-sewing machine. 3,254,616, 6–7–66, Cl. 112—65.
Pudelko, Hermann, to Durkoppwerke Aktiengesellschaft. Buttonhole-stitching machine and thread-severing means therefor. 3,273,523, 9–20–66, Cl. 112—65.
Pudelko, Hermann, to Durkoppwerke Aktiengesellschaft. Gimp-feed mechanism for buttonhole-stitching machines. 3,274,962, 9–27–66, Cl. 112—65.
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Puente, Jose R., to Leaming Industries, Inc. Adjustable framework for molding. 3,287,765, 11–29–66, Cl. 18—19.
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Pugh, Kells L., Jr. Pitless well adapter assembly. 3,270,818, 9–6–66, Cl. 166—85.
Pugh, Lloyd R. Heat pump booster. 3,237,422, 3–1–66, Cl. 62—149.
Pugh, William A., Sr. Drinking cup with straw incorporated therein. 3,240,415, 3–15–66, Cl. 229—7.
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Puhringer, Othmar, to Vereinigte Osterreichische Eisen- und Stahlwerke Aktiengesellschaft. Single-staged spur gear unit. 3,241,387, 3–22–66, Cl. 74—411.
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Pulcarano, Frank C., to ACF Industries, Inc. Railway car underframe and method of manufacture. 3,266,441, 8–16–66, Cl. 105—416.
Pulfer, Robert F., to Central Electricity Generating Board. Borehole or pipe camera. 3,244,085, 4–5–66, Cl. 95—11.
Pulford, Samuel R., to International Business Machines Corp. Data compression processing system. 3,271,765, 9–6–66, Cl. 343—12.
Pulfrich, Hans, and H. Stopora, to Telefunken Aktiengesellschaft. Metallizing sintered alumina cermoic bodies. 3,241,995, 3–22–66, Cl. 117—22.
Pullafico, Frank V., to Maidenform, Inc. Self-positioning brassiere. 3,291,132, 12–13–66, Cl. 128—483.
Pulitzer, Sidney, to Wembley, Inc. Display hanger. 3,243,087, 3–29–66, Cl. 223—87.
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Pullen, Cecil V., and F. A. Kaiser, to The Bendix Corp. De-Icer valve. 3,263,702, 8–2–66, Cl. 137—625.64.
Pullen, Eric V., to Eldon Industries, Inc. Viscous retarded timer and flagman. 3,227,825, 1–4–66, Cl. 200—36.
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Pullen, Keats A., Jr. Structural configuration for field-effect and junction transistors. 3,274,462, 9–20–66, Cl. 317—235.
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Pulliam, William A. Support means for vehicle mounted structures. 3,251,494, 5–17–66, Cl. 214—354.
Pullin, John A. Cam shaft rear bearing-removing tool with an impact arbor and having plunger means to engage said bearing. 3,268,995, 8–30–66, Cl. 29—275.
Pullis, George A.: *See*—
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Puls, Erich F., deceased (by G. Puls, executrix), and W. and J. Puls. Friction clutch. 3,236,347, 2–22–66, Cl. 192—69.
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Pulver, Ralph W., Jr., to International Business Machines Corp. Program control element. 3,249,920, 5–3–66, Cl. 340—172.5.
Pulver, Robert, to Geigy Chemical Corp. Anticoagulants containing heparin and polysaccharides. 3,247,063, 4–19–66, Cl. 167—74.
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Block, Aleck, and Purcell. 3,270,468.
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Putterbaugh, James B., and J. E. Wiser, to P. R. Mallory & Co., Inc. Pulse timer. 3,294,930, 12–27–66, Cl. 200—38.

Putterman, Harry, to General Precision, Inc. Pulse generator having a back diode and a tunnel diode. 3,239,775, 3–8–66, Cl. 331—107.

Puttfarcken, Heinrich, to Junkers & Co. G.m.b.H. Gas valve. 3,242,968, 3–29–66, Cl. 158—131.

Puttfarcken, Heinrich, to Junkers & Co. G.m.b.H. Interrelated gas valve and manual igniter control. 3,273,628, 9–20–66, Cl. 158—115.

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Putzrath, Franz L., and L. F. Coker, to Radio Corp. of America. Magnetic systems. 3,241,128, 3–15–66, Cl. 340—174.

Puxkandl, Peter, to Vereinigte Osterreichische Eisen- und Stahlwerke Aktiengesellschaft. Tiltable crucible for refining crude iron. 3,239,206, 3–8–66, Cl. 266—36.

Puxkandl, Peter, and H. Smejkal, to Vereinigte Osterreichische Eisen- und Stahlwerke Aktiengesellschaft. Apparatus for lining metallurgical vessels, such as converters. 3,285,390, 11–15–66, Cl. 198—103.

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Qualman, Jack W., to General Motors Corp. Transmission. 3,270,584, 9–6–66, Cl. 74—677.

Qualye, George F., to Yale & Towne, Inc. Triple lift truck with connected lift chains. 3,235,033, 2–15–66, Cl. 187—9.

Qualye, George F., to Yale & Towne, Inc. Triple lift truck with continuous lift chain. 3,235,034, 2–15–66, Cl. 187—9.

Quammen, Milton L., P. J. Cassidy, F. J. Jordan, and P. R. Yoder, Jr., to The United States of America, Army. Telescopic eyepiece assembly with static and dynamic bellows-type seal. 3,246,563, 4–19–66, Cl. 88—57.

Quanbeck, Sherman H. Trip type draft connection. 3,245,480, 4–12–66, Cl. 172—705.

Quandt, Hans-Hubert. Reducing and closing valve for pyrophoric liquid gas lighters. 3,229,486, 1–18–66, Cl. 67—7.1.

Quandt, Hans-Hubert, ½ to R. Mohr. Pyrophoric lighters. 3,246,490, 4–19–66, Cl. 67—7.1.

Quantron, Inc.: *See*—
MacKezie, Kenneth R. 3,292,844.

Quarles, Charles C., to E. I. du Pont de Nemours and Co. Process for the manufacture of hydrogen fluoride. 3,278,265, 10–11–66, Cl. 23—153.

Quarles, Charles C., to E. I. du Pont de Nemours and Co. Process for the manufacture of hydrogen fluoride. 3,282,644, 11–1–66, Cl. 23—153.

Quarles, Frederick H., III: *See*—
Goff, Milton L., III, and Quarles. 3,288,403.

Quartararo, Jack M. Method of construction in permafrost regions. 3,279,334, 10–18–66, Cl. 94—7.

Quartly, Charles J., to North American Philips Co., Inc. Information storage device employing magnetic cores. 3,229,262, 1–11–66, Cl. 340—174.

Quarton, William M., and R. D. Riley, to Demco Library Supplies, Inc. Binder for magazines and the like. 3,252,462, 5–24–66, Cl. 129—38.

Quartulli, Orlando J., and S. Kao, to Pullman Inc. Production of hydrogen. 3,264,066, 8–2–66, Cl. 23—212.

Quarve, Norman J. Method of splicing film and device therefor. 3,233,489, 2–8–66, Cl. 83—456.

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Seitz, Ernst O., Klippert, and Friedl. 3,255,342.
Sturm, Walter. 3,274,994.

Quashnock, Joseph M., M. E. Bradley, Jr., and E. M. Glenapp. Goniometer. 3,229,372, 1–18–66, Cl. 33—75.

Quasius, Glenn R., and L. Spiegel, to Honeywell Inc. Control apparatus. 3,286,520, 11–22–66, Cl. 73—178.

Quass, Joseph F., to Eutectic Welding Alloys Corp. Carbide welding rod. 3,252,828, 5–24–66, Cl. 117—207.

Quass, Joseph F., and J. P. Broderick, to Eutectic Welding Alloys Corp. Flame-spraying torch. 3,228,610, 1–11–66, Cl. 239—85.

Quass, Joseph F., J. P. Broderick, F. G. Lohnes, and F. T. Wishnie, to Eutectic Welding Alloys Corp. Support for torch. 3,254,868, 6–7–66, Cl. 248—176.

Quast, Gilbert W., and A. Geinopolos. Distribution means for separation and clarification tanks. 3,228,530, 1–11–66, Cl. 210—519.

Quast, Hans-Friedrich: *See*—
Rummel, Theodor, Quast, and Haus. 3,232,792.

Quast, Hans-Friedrich, and T. Rummel, to Siemens & Halske Aktiengesellschaft. Device for pulling monocrystalline semiconductor rods. 3,232,716, 2–1–66, Cl. 23—273.

Quast, Hein: *See*—
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Quate, Calvin F. Parametric amplifier and acoustical wave to passively couple two electromagnetic waves having different velocities of propagation. 3,233,183, 2–1–66, Cl. 330—5.

Quayle, George F., to Yale & Towne, Inc. Lift truck. 3,231,047, 1–25–66, Cl. 187—9.

Quayle, George F., to Yale & Towne, Inc. Motorized lift truck. 3,249,170, 5–3–66, Cl. 180—19.

Quayle, George F., to Yale & Towne, Inc. Industrial truck. 3,252,545, 5–24–66, Cl. 187—9.

Quayle, George F., to Yale & Towne, Inc. Power line reel for a lift truck. 3,289,870, 12–6–66, Cl. 214—672.

Quear, Eugene C., P. J. Eflin, and J. M. Sell, to General Motors Corp. Apparatus for manufacturing electrical insulation. 3,266,091, 8–16–66, Cl. 18—13.

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Queck, Robert: *See*—
Brockmuller, Wolfgang, Ibach, and Queck. 3,291,944.

Queen, John A., to Continental Oil Co. Automatic shutdown device for pumping units. 3,272,937, 9–13–66, Cl. 200—81.

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Doherty, Donald W. 3,245,365.

Queer, Elmer R.: *See*—
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Queever, Lawrence: *See*—
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Queneau, Paul E., P. E. Brubaker, and C. E. O'Neill, to The International Nickel Co., Inc. Method for recovering nickel from oxide ores. 3,272,616, 9–13–66, Cl. 75—21.
Quenneville, Raymond N., and P. E. Barnes, to United Aircraft Corp. Feedback system. 3,242,992, 3–29–66, Cl. 170—160.32.
Quenot, Andre, to Quenot & Cie, Etablissements. Tape measure. 3,228,626, 1–11–66, Cl. 242—84.8.
Quenot, Andre, to Etablissements Quenot & Cie S.a.r.l. Tape reel. 3,261,567, 7–19–66, Cl. 242—84.8.
Quenot, Andre, to Etablissements Quenot & Cie. Tape reel. 3,273,820, 9–20–66, Cl. 242—84.8.
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Quenot, Andre. 3,261,567.
Quenot, Andre. 3,273,820.
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Quenot, Michel. 3,243,139.
Quenot, Michel. 3,261,100.
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Quenot, Michel, to Quenot & Cie Etablissements. Arrangement for winding a yielding tape serving for linear measurements. 3,243,139, 3–29–66, Cl. 242—84.8.
Quenot, Michel, to Etablissements Quenot & Cie S.A. Arrangement for interconnecting two elastic tapes. 3,261,100, 7–19–66, Cl. 33—138.
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De Mille, Cecil L., Quetsch, and Sala. 3,266,137.
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Quick, Howard G., Jr., and L. J. Craig, to Eastman Kodak Co. Permanent magnet core type meter movement. 3,277,369, 10–4–66, Cl. 324—151.
Quick, Lester K. Hot gas refrigeration defrosting system with purge means. 3,234,748, 2–15–66, Cl. 62—126.
Quick, Lester K. Compound refrigeration system. 3,234,749, 2–15–66, Cl. 62—129.
Quick, Lester K. Hot gas refrigeration defrosting system. 3,234,753, 2–15–66, Cl. 62—196.
Quick, Lester K. Reevaporator system for hot gas refrigeration defrosting systems. 3,234,754, 2–15–66, Cl. 62—278.
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Quillen, John D. Cycle lock. 3,255,620, 6–14–66, Cl. 70—383.
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Quinlan, Donald E., to Visual Electronics Corp. Selectively shunted series-switching transmission gates. 3,248,567, 4–26–66, Cl. 307—88.5.
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Quinlan, Joseph B., and J. J. Scanlon, Jr., to United States of America, Army. High strength nitrocellulose propellant. 3,282,751, 11–1–66, Cl. 149—18.
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Quinn, Clark E., to General Motors Corp. Collision prevention system. 3,235,025, 2–15–66, Cl. 180—82.1.
Quinn, Clark E., to General Motors Corp. Tire condition monitoring system. 3,249,916, 5–3–66, Cl. 340—58.
Quinn, Frederic R., to Zyrotron Industries, Inc. Electrical switch panel having thermally responsive actuating means. 3,254,183, 5–31–66, Cl. 200—122.
Quinn, Halsey P., to Tung-Sol Electric Inc. Magnetostrictive transformer. 3,261,339, 7–19–66, Cl. 123—148.
Quinn, Harold W., to The Dow Chemical Co. Removal of acetylenes from gaseous streams with silver carboxylate ion exchange resin. 3,273,314, 9–20–66, Cl. 55—63.
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Toman, Joseph D., and Quinn. 3,279,473.
Toman, Joseph D., and Quinn. 3,279,474.
Quinn, James L., to Cummins-Chicago Corp. Comparator apparatus. 3,248,520, 4–26–66, Cl. 235—61.7.
Quinn, James L., O. T. Knutson, and W. H. Dreyer, to Cummins-Chicago Corp. Proof encoder and perforating system therefor. 3,275,232, 9–27–66, Cl. 234—1.
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Quinn, James M., to E. I. du Pont de Nemours and Co. Process for orienting polyvinyl chloride film. 3,254,146, 5–31–66, Cl. 264—210.
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Quinn, Neville R. L., to Bristol Siddeley Engines Ltd. Vertical lift power plants for aircraft. 3,236,311, 2–22–66, Cl. 170—135.74.
Quinn, Richard M., to Ball Brothers Co., Inc. Method and apparatus for detecting surface uneveness. 3,245,532, 4–12–66, Cl. 209—111.7.
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Quiros, Alejandro M., and R. M. Adzeries; said Quiros assor. to A. J. Gijon and A. M. Fornaguera. Safety system for hydraulic brakes. 3,273,116, 9–13–66, Cl. 340—60.
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Quisenberry, Richard K., to E. I. du Pont de Nemours and Co. Segmented linear copolyesters of 2,5-disubstituted terephthalic acids. 3,265,762, 8–9–66, Cl. 260—860.
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Quittner, George F., to API Instruments Co. Flaw finding apparatus having capacitive sensors spaced apart along line of movement of a metallic sample while included in a bridge circuit feeding a difference amplifier. 3,241,061, 3–15–66. Cl. 324—61.
Quittner, George F., to Assembly Products, Inc. Electrical circuits for sockets usable with pluggable modules for flaw detection. 3,244,970, 4–5–66, Cl. 324—34.
Quittner, George F., to API Instruments Co. Magnetic flaw detector with exciting and sensing coils axially aligned on opposite sides of the material. 3,247,453, 4–19–66, Cl. 324—37.
Quittner, George F., to API Instrument Co. Flaw detecting apparatus having multiple pick-up and exciting coils on the same side of the test piece. 3,271,662, 9–6–66, Cl. 324—37.
Quittner, George F., to API Instruments Co. Constant impedance dual circuits for sample material flaw detection. 3,273,055, 9–13–66, Cl. 324—37.
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Raab, Karlheinz, to Jos. Schneider & Co. Mechanism for varying the focal length of photographic or cinematographic objectives or the like. 3,267,828, 8–23–66, Cl. 95—45.
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Raab, William J.: *See*—
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Raabe, Herbert P., to Litton Systems, Inc. Fresnel zone lens antenna. 3,273,155, 9–13–66, Cl. 343—753.
Raabe, Herbert P., to United States of America, Navy. Blistered skin passive satellite. 3,274,596, 9–20–66, Cl. 343—18.
Raabe, Ulo. Electric sauna bath heating unit. 3,277,274, 10–4–66, Cl. 219—362.
Raap, Rintje, R. U. Lemieux, and R. G. Micetich, to R & L Molecular Research Ltd. Derivatives of cephalosporanic acid. 3,268,523, 8–23–66, Cl. 260—243.
Raap, Rintje, R. U. Lemieux, and R. G. Micetich, to R & L Molecular Research Ltd. Certain isothiazolylacetic acid compounds. 3,271,407, 9–6–66, Cl. 260—302.
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Raasch, Hans, to W. Reiners. Apparatus for uniform orientation of spinning cops and the like. 3,276,566, 10–4–66, Cl. 198—33.
Raasch, Hans, to W. Reiners. Yarn-package winding machine with automatic coil exchanging and yarn tying devices. 3,279,710, 10–18–66, Cl. 242—35.5.
Raasch, Hans, to W. Reiners. Device for checking the occurrence of faulty knots in yarn-winding machines. 3,294,326, 12–27–66, Cl. 242—35.6.
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Rabelos, Nicholas A. Convertible split-level ladder. 3,236,-330, 2-22-66, Cl. 182—26.

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Rabinow, Jacob. Tone arm with carriage servo. 3,249,362, 5-3-66, Cl. 274—23.

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Rabinow, Jacob, to Control Data Corp. Reading machine with automatic recognition of characters substituted for print errors. 3,264,610, 8-2-66, Cl. 340—146.3.

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Rabinow, Jacob, to Control Data Corp. Character normalizing reading machine. 3,289,164, 11-29-66, Cl. 340—146.3.

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Rabinow, Jacob, and A. W. Holt, to Control Data Corp. Reading system with dictionary look-up. 3,259,883, 7-5-66, Cl. 340—146.3.

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Rabo, Jule A., P. E. Pickert, and J. E. Boyle, to Union Carbide Corp. Hydrocarbon conversion process with the use of a Y type crystalline zeolite. 3,236,762, 2-22-66, Cl. 208—111.

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Rabourn, Warren J., to The Dow Chemical Co. 1-aziridino-1-(di-lower alkylamine)-ethane. 3,285,909, 11-15-66, Cl. 260—239.

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Racy, Joseph E., to Sanders Associates, Inc. Frequency stabilized transistor crystal oscillator. 3,286,198, 11-15-66, Cl. 331—116.

Racy, Joseph E., to Sanders Associates, Inc. High frequency oscillator having distributed parameter resonant circuit. 3,290,614, 12-6-66, Cl. 331—117.

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Rai, Charanjit, and R. C. Kimble, to Union Oil Co. of California. Composition and method of inhibiting corrosion of metal surfaces in contact with aqueous surface active solutions. 3,245,915, 4–12–66, Cl. 252—137.

Rai, Charanjit, and J. B. Braunwarth, to Union Oil Co. of California. Bis-benzoxazolyethyl sulfide. 3,250,780, 5–10–66, Cl. 260—307.

Raible, Karl J., to Aktiengesellschaft fur Brauereiindustrie. Process for the production of alcohol-reduced beverages. 3,291,613, 12–13–66, Cl. 99—33.

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Parnes, Robert, Petro, and Raibourn. 3,243,645.

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Turmenne, Bernard A., and Raiche. 3,292,186.

Raichle, Karl, and H. Rudolph, to Farbenfabriken Bayer Aktiengesellschaft. Hardenable mixtures of unsaturated polyesters and monomeric ethylene compounds polymerizable therewith. 3,239,581, 3–8–66, Cl. 260—863.

Raichle, Karl, and H. Rudolph, to Farbenfabriken Bayer Aktiengesellschaft. Mixtures of unsaturated polyesters and monomeric ethylene compounds co-polymerizable therewith containing cobalt salts and a member of the group of arsines, stibenes, and phosphines. 3,274,291, 9–20–66, Cl. 260—863.

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Raidel, John E., to A. J. Industries, Inc. Tandem suspensions. 3,227,468, 1–4–66, Cl. 280—104.5.

Raidel, John E. Tandem suspension. 3,241,856, 3–22–66, Cl. 280—104.5.

Raidel, John E. Tandem suspensions. 3,251,608, 5–17–66, Cl. 280—104.5.

Raider, George K., and L. W. Burns, to The Pyle-National Co. Flexible tubing retainer. 3,233,923, 2–8–66, Cl. 285—239.

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Holstein, Frederick W. 3,282,507.

Railsback, Henry E., and N. A. Stumpe, Jr., to Phillips Petroleum Co. Method of compounding cis-polybutadiene for improved mill handling and product thereof. 3,245,-929, 4–12–66, Cl. 260—23.7.

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Raine, Frank F., to Kaiser Aluminum & Chemical Corp. Refractory and process of making. 3,243,306, 3–29–66, Cl. 106—65.

Rainer, Erich, and E. Krestel, to Siemens-Schuckertwerke Aktiengesellschaft. Discontinuous regulator of constant switching frequency. 3,231,757, 1–25–66, Cl. 307—88.5.

Rainer, Norman B., and C. Kapar, to Coastal Interchemical Co. Process for increasing the molecular weight of amine containing polymers. 3,234,185, 2–8–66, Cl. 260—78.

Rainer, Walter, to W. J. Hanhart. Stopping device for a time measuring apparatus, particularly for swimming races. 3,263,168, 7–26–66, Cl. 324—70.

Rainer, William C., to Chemical Products Corp. Method of molding a foamed plastic sealing liner having a transparent central portion. 3,265,785, 8–9–66, Cl. 264—45.

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Raines, Russell H., and F. E. Bailey, Jr., to Union Carbide Corp. Copolymers of 3-hydroxytetrahydrothiophene-1,1-dioxide and their use as oil additives. 3,257,319, 6–21–66, Cl. 252—48.6.

Rainey, Challenor W., to Ford Motor Co. Multiple station selectors. 3,250,566, 5–10–66, Cl. 206—68.

Rainey, James C. Power system. 3,290,884, 12–13–66, Cl. 60—59.

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Rairdon, Charles T., and W. E. Hanson, to Johns-Manville Corp. Anti-livering agents. 3,259,511, 7–5–66, Cl. 106—263.

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Raitt, John S., to Scottish Agricultural Industries Ltd. Rotary granulator and dryer. 3,258,849, 7–5–66, Cl. 34—102.

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Rajchman, Jan A., to Radio Corp. of America. Light emitting display panels. 3,258,644, 6–28–66, Cl. 315—55.

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Rakoczi, Laszlo L., and F.-L. Wang, to Radio Corp. of America. Data processing system. 3,234,520, 2–8–66, Cl. 340—172.5.

Rakoczi, Laszlo L., and J. W. Figueroa, to Radio Corp. of America. Data processing. 3,242,349, 3–22–66, Cl. 307—88.5.

Rakoczi, Laszlo L., and W. J. Gesek, to Radio Corp. of America. Data processing system. 3,251,038, 5–10–66, Cl. 340—172.5.

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Ralphs, George T., to Ralphs Unified Ltd. Machines for lasting footwear. 3,256,543. 6–21–66, Cl. 12—14.4.

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Ramaswami, Devabhaktuni, N. M. Levitz, and A. A. Jonke, to United States of America, Atomic Energy Commission. Removal of stainless-steel claddings from nuclear fuel elements. 3,268,303, 8–23–66, Cl. 23—324.

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Ramer, Edward L., by M. A. Ramer, executrix. Remote automatic control of power driven equipment. 3,273,664, 9–20–66, Cl. 180—79.
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Ramos, Thomas, to United States of America, Navy. Room temperature curing system for urethane prepolymers utilizing bischloro aniline and dibutyltin dilaurate. 3,261,813, 7–19–66, Cl. 260—77.5.
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Rampel, Guy, to Gulton Industries, Inc. Method of preparing an electrode structure. 3,248,266, 4–26–66, Cl. 136—75.
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Randall, Ralph R., to Dualoc Engineering Co. Differential mechanism. 3,276,290, 10–4–66, Cl. 74—711.
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Randall, Theron M., to Bell Telephone Laboratories, Inc. Binary signal discriminator using astrobed integrator. 3,253,155, 5–24–66, Cl. 307—88.5.
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Randels, Robert B., to Westinghouse Electric Corp. Target electrode assembly for an electron discharge device. 3,287,585, 11–22–66, Cl. 313—89.
Randich, Erasmus A., to Allegheny Ludlum Steel Corp. Means for laterally positioning roll of web material relative to slitter blades. 3,262,650, 7–26–66, Cl. 242—56.2.
Randles, Arthur E., Jr. Carton erecting machine. 3,244,081, 4–5–66, Cl. 93—37.
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Randles, Arthur E., Jr. Egg carton. 3,244,350, 4–5–66, Cl. 229—28.
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Randol, Glenn T. Reaction-transmitting mechanism adapted for brake booster motor use. 3,246,578, 4–19–66, Cl. 91—369.
Randol, Glenn T. Torque-responsive clutch mechanism for detecting initial plate contact. 3,251,439, 5–17–66, Cl. 192—3.5.
Randol, Glenn T. Synchronizing mechanism adapted for friction clutch use. 3,272,028, 9–13–66, Cl. 74—472.
Randol Glenn T. Annular pliant packing for sealing reciprocating components. 3,279,328, 10–18–66, Cl. 91—376.
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Randolph, Glenn W., H. J. Stielper, W. T. Ash, and R. D. Weaver, to The Bendix Corp. Friction drive for an auto radio signal seeking device. 3,232,128, 2–1–66, Cl. 74—202.
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Kane, Garold A., Randolph, Calberg, Scheurich, Wermager, Blomquist, Kossan, and Clune. 3,228,295.
Randolph, Hollis L., and G. L. Thayer, Jr., to Robertshaw Controls Co. Thermal time delay electric switch means having selectively adjustable on and off times. 3,238,335, 3–1–66, Cl. 200—122.
Randolph, John L. Method for making bowling balls. 3,270,108, 8–30–66, Cl. 264—162.
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Randolph, Roland F. Reel construction. 3,232,556, 2–1–66, Cl. 242—118.61.
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Rangus, Ernest C., to Supreme Products Corp. Combined gauge and guard for a reciprocating clipper. 3,280,468, 10–25–66, Cl. 33—185.
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Rank, Frank. Multi-cutter mower. 3,234,719, 2–15–66, Cl. 56—25.4.
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Reason, Richard E. 3,283,568.
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Rank, Wolfgang, to Loewe Opta Aktiengesellschaft. Control system for A.C. motors. 3,239,741, 3–8–66, Cl. 318—313.
Rank, Wolfgang, to Loewe Opta Aktiengesellschaft. Magnetic recording and reproducing of video signals, synchronizing impulses and audible frequencies. 3,278,678, 10–11–66, Cl. 178—6.6.
Ranke, Edward K., to Holley Carburetor Co. Pressure ratio indicator. 3,247,716, 4–26–66, Cl. 73—398.
Ranker, William T., to Pipe Linings, Inc. Apparatus for extrusion coating of pipe. 3,231,957, 2–1–66, Cl. 25—38.
Rankin, Bayard. Slide rule. 3,260,453, 7–12–66, Cl. 235—70.
Rankin, Billy F., to Burton Parsons Chemicals, Inc. Method of cleansing contact lenses. 3,240,709, 3–15–66, Cl. 252—106.
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Rankin, David, G. J. Mantell, and F. R. Galiano, to Gulf Oil Corp. Polymerizable 5-alkylene-m-dioxanyl acrylic esters. 3,267,084, 8–16–66, Cl. 260—86.1.
Rankin, Floyd C., to McCreary Tire & Rubber Co. Adjustable tread rubber extruding die. 3,268,950, 8–30–66, Cl. 18—12.
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Rankin, Stanley L., and M. E. Lusk. Device with positive displacement valve unit. 3,228,563, 1–11–66, Cl. 222—77.
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Ransom, James C. W., to Allis-Chalmers Mfg. Co. Electrostatically shielding contacts for high potential switch. 3,227,830, 1–4–66, Cl. 200—48.

Ransom, Richard S., and R. J. Galbraith, to Short Bros. and Harland Ltd. Assemblage of parallel electric or electronic component-carrier units. 3,257,585, 6–21–66, Cl. 317—101.

Ransom, Robert B. Line pickup mechanism for a spinning reel. 3,233,844, 2–8–66, Cl. 242—84.2.

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Ranson, Charles W. Fruit and vegetable washing device with vertical circulative flow and ribbed cover. Re. 26,084, 9–20–66, Cl. 259—4.

Ranson, Charles W. Fruit and vegetable washing device with vertical circulative flow and vertically extendable walls. 3,249,339, 5–3–66, Cl. 259—18.

Ranson, Charles W. Fruit and vegetable washing device with vertical circulative flow and elongated inlet duct sections. 3,257,101, 6–21–66, Cl. 259—18.

Ranson, Charles W. Fruit and vegetable washing device with vertical circulative flow and direct faucet engagement. 3,259,373, 7–5–66, Cl. 259—4.

Ranson, Charles W. Fruit and vegetable washing device with vertical circulative flow and base support for submerged faucet connection. 3,260,510, 7–12–66, Cl. 259—4.

Ranson, Richard R., to Cutler-Hammer, Inc. Remote control system. Re. 25,959, 2–22–66, Cl. 318—264.

Rantsch, Kurt, to M. Hensoldt und Sohne, Optische Werke Aktiengesellschaft. Scale reading apparatus. 3,280,693, 10–25–66, Cl. 88—14.

Rantsch, Kurt, and O. Trotscher, to M. Hensoldt & Sohne, Optische Werke, Aktiengesellschaft. Indicating device for measuring scales using magnetic and photoelectric scanners with a single scale. 3,227,884, 1–4–66, Cl. 250—219.

Rantsch, Kurt, and A. Vogel, to M. Hensoldt & Söhne, Optische Werke AG. Method of producing a glass scale. 3,228,109, 1–11–66, Cl. 33—107.

Rantsch, Kurt, and A. Weyrauch, to M. Hensoldt & Sohne, Optische Werke Aktiengesellschaft. Photoelectric position indicating device. 3,229,103, 1–11–66, Cl. 250—209.

Rantsch, Kurt, E. Lepper, and O. Ambrosius, to M. Hensoldt & Sohne, Optische Werke AG. Apparatus for imparting stepwise movement to a carriage. 3,235,220, 2–15–66, Cl. 248—346.

Rantsch, Kurt, and A. Weyrauch, to M. Hensoldt & Sohne, Optische Werke Aargau. Scale reading apparatus. 3,285,123, 11–15–66, Cl. 88—14.

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Rapala, Richard T., to Eli Lilly and Co. 6,16-substituted progesterones. 3,278,564, 10–11–66, Cl. 260—397.3.

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Rasch, Gerhard, to VEB Musikinstrumentenbau-Musima. Method and apparatus for automatically tuning mechanical frequency sources. 3,230,614, 1–25–66, Cl. 29—169.5.

Rasche, Robert E., to Sperry Rand Corp. Binary serial adders utilizing NOR gates. 3,291,973, 12–13–66, Cl. 235—176.

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Rasmussen, Ralph J., to Farmspray Co. Torque released one way brake. 3,285,377, 11–15–66, Cl. 192—8.

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Rasmussen, Walter H., to Waldorf Paper Products Co. Tear strip containers. 3,276,665, 10–4–66, Cl. 229—51.

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Ratcliff, Ralph A. Positive holding friction brake hoist. 3,245,660, 4–12–66, Cl. 254—167.

Ratcliff, Ralph A. Over-center load binder. 3,271,007, 9–6–66, Cl. 254—78.

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Rate, Edward T., Jr., to General Electric Co. Electron lens. 3,249,786, 5–3–66, Cl. 313—82.

Ratean, Arthur, to Commissariat a l'Energie Atomique and Saint Gobain Nucleaire. Processes for the dissolution of uranium in nitric acid. 3,243,256, 3–29–66, Cl. 23—14.5.

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Rathjen, Walter E., L. O. Cummings, and J. A. Kneeland, to Pacific Vegetable Oil Corp. Process for conjugating and isomerizing drying oils and products. 3,278,567, 10–11–66, Cl. 260—405.6.

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Rathman, Arthur B., and L. H. Rettke. Positive automatic dump body hoist safety lock. 3,272,558, 9–13–66, Cl. 298—22.

Rathmann, Henry C., to General Aniline & Film Corp. Automatic follower control for web tensioning. 3,232,551, 2–1–66, Cl. 242—75.45.

Rathmell, Richard K., to E. I. du Pont de Nemours and Co. Process for the treatment of waste sulfuric acid pickle liquor. 3,261,665, 7–19–66, Cl. 23—122.

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Ratkowski, Thomas A., to American Brake Shoe Co. Digger teeth. 3,254,726, 6–7–66, Cl. 172—700.

Ratkowski, Thomas A., to Abex Corp. Digger teeth. 3,268,012, 8–23–66, Cl. 172—700.

Ratkowski, Thomas A., to Abex Corp. Hammers. 3,278,126, 10–11–66, Cl. 241—195.

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Ratliff, Harvey L., Jr., to Jetru Inc. Apparatus for viewing wide-angle stereoscopic pictures. 3,272,069, 9–13–66, Cl. 88—29.

Ratliff, Harvey L., Jr., to Jetru Inc. Stereoscopic television system with special effects. 3,291,904, 12–13–66, Cl. 178—6.5.

Ratliff, Harvey L., Jr., 100% to Jetru Inc. Cathode ray tube optical viewing device for reproducing wide angle stereoscopic stereophonic motion pictures. 3,293,358, 12–20–66, Cl. 178—6.5.

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Ratts, Kenneth W., to Monsanto Co. Preparation of α-haloacetamides. 3,244,747, 4–5–66, Cl. 260—561.

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Ratway, Michael, and R. S. Wood, to Gulf Research & Development Co. Flash-point detector for pipeline operation. 3,293,905, 12–27–66, Cl. 73—36.

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Ratz, Heinz, and P. Spielau, to Dynamit Nobel Aktiengesellschaft. Process for the manufacture of monomeric anhydrous lead salts of acrylic or methacrylic acid. 3,291,818, 12–13–66, Cl. 260—435.

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McAuley, James H., and Rauch. 3,262,548.

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Raue, Roderich, W. Muller, O. Weissel, M. Coenen, deceased (by R., G., B. and H. Coenen, heirs), to Farbenfabriken Bayer Aktiengesellschaft. Methine dyestuffs. 3,255,204, 6–7–66, Cl. 260—319.

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Rauhut, Michael M., and A. M. Semsel, to American Cyanamid Co. Process for preparing 2-hydroxyalkylphosphines and 2-hydroxyalkylphosphonium salts. 3,251,883, 5–17–66, Cl. 260—606.5.

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Fitko, Chester W., and Ravve. 3,227,687.
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Raymond, Francois H., A. M. Richard, A. M. Recoque, and C. M. E. Masson, to Societe d'Electronique et d'Automatisme. Magnetic core switching devices. 3,256,445, 6–14–66, Cl. 307—88.
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Raymond, Russell J., and D. R. Ball, to The Dow Chemical Co. Spray polymerization of poly(halomethyl) diphenyl ether. 3,240,725, 3–15–66, Cl. 260—2.5.
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Johnson, Rulon E., Jr., and Raynolds. 3,256,231.
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Ré, Frank M., to Dual Mfg. and Engineering Inc. Reclining chair mechanism. 3,244,449, 4–5–66, Cl. 297—75.
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Redfield, Robert H., and W. M. Collander. Audio-visual teaching apparatus. 3,269,033, 8–30–66, Cl. 35—35.
Redick, David C., W. C. Shaw, and A. D. Heiny, to General Motors Corp. Dynamoelectric machine terminal connection. 3,267,312, 8–16–66, Cl. 310—239.
Redick, Morris R., to General Motors Corp. Safety door latch. 3,228,718, 1–11–66, Cl. 292—99.
Rediger, Alvin L., and J. Slager, to General Electric Co. Casting equipment for use in the fabrication of rotor secondary windings. 3,261,061, 7–19–66, Cl. 22—150.
Rediger, Alvin L., and J. Slager, to General Electric Co. Dynamoelectric machine rotor. 3,262,000, 7–19–66, Cl. 310—261.
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Reding, Frederick P., E. W. Wise, and J. H. Hoge, to Union Carbide Corp. Process for producing improved vinyl chloride copolymers and products thereof. 3,256,256, 6–14–66, Cl. 260—87.5.
Reding, John T., J. J. Newport III, and L. M. Vaught, to The Dow Chemical Co. Aluminum base alloys containing thallium. 3,281,239, 10–25–66, Cl. 75—138.
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Redman, Lawrence E., to Garbage Service Co. Apparatus for compositing waste materials. 3,276,845, 10–4–66, Cl. 23—259.3.
Redman, Lawrence E., and W. J. Goldfield, to Sanitation Associates, Inc. Apparatus for composting waste material. 3,246,953, 4–19–66, Cl. 23—259.1.
Redmon, Bryan C., and H. O. Mottern, to Cumberland Chemical Corp. Stabilization of chlorinated paraffin wax. 3,284,519, 11–8–66, Cl. 260—652.5.
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Reed, Clarence. Vehicle propulsion-directional control. 3,259,330, 7–5–66, Cl. 244—17.19.
Reed, Dale H., H. F. Dunlap, and W. C. Pritchett, to The Atlantic Refining Co. Shielding system for a chlorine logging apparatus. 3,246,157, 4–12–66, Cl. 250—108.
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Reed, David D., J. M. Petersen, F. G. Oberender, and H. D. Kluge, deceased (by H. E. Kluge, administratrix), to Texaco Inc. Thiophosphonoxyalkanes. 3,256,190, 6–14–66, Cl. 252—46.6.
Reed, David D., J. M. Petersen, and H. D. Kluge, deceased (by H. E. Kluge, administratrix), to Texaco Inc. Alkenoate derivatives. 3,256,191, 6–14–66, Cl. 252—46.6.
Reed, David D., and H. D. Kluge, deceased, by H. E. Kluge, administratrix, and J. F. Lyons, to Texaco Inc. Hydroxy thiophosphonoxy glyceride esters. 3,282,837, 11–1–66, Cl. 252—46.6.
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Reed, Edwin E., to Phillips Petroleum Co. Frozen earth storage for liquefied gas. 3,251,191, 5–17–66, Cl. 62—45.
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Reeder, Jerry R., R. W. Bergman, and J. C. Norks; said Reeder and Bergman assors. to Ethicon Inc. Process for making sutures. 3,247,664, 4–26–66, Cl. 57—164.

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Reeves, Hudson D. Leveling platform for sheet material. 3,239,219, 3–8–66, Cl. 271—61.

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Regan, Francis A., Jr., S. A. Lincoln, and D. E. Hanson, to A. B. Dick Co. Aluminum photolithographic plate and method of imaging same. 3,279,366, 10–18–66, Cl. 101—149.2.

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Reggia, Frank, and H. S. Jones, Jr., to United States of America, Army. Reciprocal ferrite waveguide phase shifter having means to rotate the magnetic field about an axis transverse to the longitudinal axis of the ferrite rod. 3,268,837, 8–23–66, Cl. 333—31.

Reggia, Frank, H. S. Jones, Jr., and H. Sommer, to United States of America, Army. Electronically scanned microwave antennas. 3,268,901, 8–23–66, Cl. 343—768.

Regie Nationale des Usines Renault: *See*—
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Peras, Lucien. 3,286,646.
Peras, Lucien. 3,286,698.
Peras, Lucien. 3,289,646.
Peras, Lucien. 3,295,023.

Regier, Robert B., to Phillips Petroleum Co. Oxidative dehydrogenation of paraffinic hydrocarbons. 3,270,086, 8–30–66, Cl. 260—683.3.

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Rehage, Jon R., to United States of America, National Aeronautics and Space Administration. Pulse counting circuit which simultaneously indicates the occurrence of the Nth pulse. 3,287,640, 11–22–66, Cl. 324—113.

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Rehm, Karl, to Telefunken Patentverwertungsgesellschaft m.b.H. Switch. 3,286,812, 11–22–66, Cl. 198—31.

Rehm, Karl, to Telefunken Patentverwertungs-G.m.b.H. Conveyor. 3,291,287, 12–13–66, Cl. 198—190.

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Rehr, Henry W., to Crown Zellberbach Corp. Towel collator. 3,291,477, 12–13–66, Cl. 270—39.

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Reiber, Hans, K. Herrmann, and A. Ziegler, to Patent-Treuhand-Gesellschaft fur Electrische Gluhlampen m.b.H. Series flash device and method of manufacture thereof. 3,238,749, 3–8–66, Cl. 67—31.

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Reibold, Elmer L., to E. L. Reibold Agency, Inc. Bath scale assembly and frame unit therefor. 3,243,002, 3–29–66, Cl. 177—180.

Reich, Bernard, M. A. Benanti, and W. R. Orloff, to American Electronic Laboratories, Inc. Method and apparatus for measuring the beta parameter of an in-circuit transistor without the application of D.C. biasing thereto. 3,287,643, 11–22–66, Cl. 324—158.

Reich, Gunter, to Leybold-Holding A.G. Mass spectrometer tube. 3,233,098, 2–1–66, Cl. 250—41.9.

Reich, Günter. Ion source with selective hot or cold cathode. 3,274,436, 9–20–66, Cl. 315—111.

Reich, Gilbert H. Hydrotherapy installation for conventional bathtub. 3,288,134, 11–29–66, Cl. 128—66.

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Reich, Irving, and J. E. Ayres, to Carter-Wallace, Inc. Aerosol dispenser with heating device. 3,258,171, 6–28–66, Cl. 222—146.

Reich, John J. Ink repellent inking pad and cover for stencil printing devices. 3,227,073, 1–4–66, Cl. 101—125.

Reich, Manfred, to Chemische Werke Huls Aktiengesellschaft. Process for the removal of acetylenic hydrocarbons from hydrocarbon mixtures containing diolefines. 3,274,286, 9–20–66, Cl. 260—681.5.

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Reich, Simon, to General Signal Corp. Zone control system. 3,250,914, 5–10–66, Cl. 246—5.

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Reichel, Maximilian K., and W. Neugebauer, to Azoplate Corp. Light sensitive polycarbonamide coatings for screen printing. 3,245,792, 4–12–66, Cl. 96—35.

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Reicheneder, Franz, and K. Dury, deceased (by J. M. Dury, heiress-at-law), and A. Fischer, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Derivatives of pyridazone. 3,287,105, 11–22–66, Cl. 71—2.5.

Reicheneder, Franz, and K. Dury, deceased (by J. M. Dury, heiress-at-law), to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. 4-nitropyrazoles. 3,294,814, 12–27–66, Cl. 260—310.

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Reid, Robert B., and T. J. Pricenski, to Sylvania Electric Products Inc. Substrate for thermal boundary construction and method of making the same. 3,285,518, 11–15–66, Cl. 239—265.15.

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Reid, Stanley L., to Monsanto Co. Process for the liquid phase direct oxidation of olefins to olefin oxides. 3,281,-433, 10–25–66, Cl. 260—348.5.

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Reifschneider, Walter, to The Dow Chemical Co. Di(alkylthio)ether. 3,246,040, 4–12–66, Cl. 260—609.

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Jonassen, Severin. 3,233,250.
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Renberg, Graham A., and J. W. Palen, to Phillips Petroleum Co. Butene and butadiene purification by plural stage distillation. 3,232,850, 2–1–66, Cl. 203—58.
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Renckhoff, Gustav, and H. L. Huelsmann, to Chemische Werke Witten G.m.b.H. Process for the preparation of ester amides of carbocyclic aromatic dicarboxylic acids. 3,252,977, 5–24–66, Cl. 260—247.2.
Renckhoff, Gustav, and W. Wolfes, to Chemische Werke Witten G.m.b.H. Process for the production of alkyl aralkyl phthalates. 3,281,456, 10–25–66, Cl. 260—475.
Renckhoff, Gustav, and W. Rudolph, to Chemische Werke Witten G.m.b.H. Process for producing half ester acyl chlorides of aromatic dicarboxylic acids. 3,282,988, 11–1–66, Cl. 260—475.
Renckhoff, Gustav, and W. A. S. Rudolph, to Chemische Werke Witten G.m.b.H. Process for preparing half ester acyl chlorides of aromatic dicarboxylic acids. 3,282,989, 11–1–66, Cl. 260—475.
Renckhoff, Gustav, and W. Wolfes, to Chemische Werke Witten G.m.b.H. Process for producing half ester acyl chlorides of aromatic dicarboxylic acids. 3,284,488, 11–8–66, Cl. 260—475.
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Taber, David, Renfrew, and Pons. 3,272,793.
Taber, David, Renfrew, and Pons. 3,272,794.
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Renner, Hermann, and K.-O. Wehlow, to Rheinmetall G.m.b.H., Firma. Propelling charge for solid-fuel rockets. 3,260,045, 7–12–66, Cl. 60—35.6.
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Renner, Victor A., to O. M. Scott and Sons Co. Process for making foamed urea-formaldehyde fertilizer. 3,231,363, 1-25-66, Cl. 71—29.
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Rentschler, Waldemar T., to Alfred Gauthier, G.m.b.H. Photographic intra-lens shutter with setting members for diaphragm and exposure time. 3,282,182, 11–1–66, Cl. 95—11.5.
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Rhodes, John R., to United Kingdom Atomic Energy Authority. Method and apparatus for X-ray absorption analysis of mixtures using plural sources and detector channels. 3,270,200, 8–30–66, Cl. 250—43.5.
Rhodes, John R., to United Kingdom Atomic Energy Authority. Determination of the ash content of coal by means of X-rays. 3,270,204, 8–30–66, Cl. 250—83.3.
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Riboni, Ubaldo, and L. Bartolucci, to Montecatini Societa Generale per l'Industria Mineraria e Chimica. Modification of the dyeing characteristics of isotactic polyolefin fibers containing basic nitrogen groups through treatment with a diepoxide precursor and an alkaline catalyst. 3,281,203. 10–25–66, Cl. 8—115.5.

Ricard, Armand G., to Louis Brequet Societe Anonyme des Ateliers d'Aviation. Aircraft with variable geometry. 3,292,881, 12–20–66, Cl. 244—46.

Ricard, Jacques L., 40% to M. C. Baer. Mutant detection method. 3,255,095, 6–7–66, Cl. 195—103.5.

Ricard, Pierre J. Power producing installation comprising a steam turbine and at least one gas turbine. 3,232,052, 2–1–66, Cl. 60—39.18.

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Rice, Archie H., and W. R. Conley, to General Services Co. Treatment of water utilizing activated carbon. 3,252,899, 5–24–66, Cl. 210—40.

Rice, Andrew C., to United States of America, Interior. Fraction separation of aqueous rare earths using amines. 3,259,472, 7–5–66, Cl. 23—312.

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Rice, Frederick A. H., to United States of America, Navy. Cross-linked cellulosic polymer. 3,230,212, 1–18–66, Cl. 260—223.

Rice, Frederick A. H., to United States of America, Navy. Method of bonding cellulose acetate to metal. 3,291,652, 12–13–66, Cl. 148—6.24.

Rice, Furman E., to Don Raddy, Inc. Vehicle license plate holder. 3,230,653, 1–25–66, Cl. 40—129.

Rice, Hal H., and R. B. Bennett, to General Motors Corp. Utensil support for domestic appliance. 3,263,675, 8–2–66, Cl. 126—211.

Rice, Harold B., to John Burton Machine Corp. Conveyor structure. 3,292,772, 12–20–66, Cl. 198—204.

Rice, Harold D., to Hallmark Cards Inc. Method for producing animated pictures. 3,232,202, 2–1–66, Cl. 95—76.

Rice, Harold D., and S. L. Leach, to PID Corp. Pictorial parallax panoramagram units. 3,241,429, 3–22–66, Cl. 88—1.

Rice, Harold W.: *See*—
Golden, Robert L., Wantz, Rice, Beck, and Palmer. 3,284,589.

Rice, Harold W., and R. W. Houser, to Robertshaw Controls Co. Laundry control system and selector mechanism. 3,256,692, 6–21–66, Cl. 60—60.

Rice, Harold W., and D. R. Scott, to Robertshaw Controls Co. Excessive temperature cut-off control. 3,265,299, 8–9–66, Cl. 236—21.

Rice, Harry C. Fishing tank. 3,237,339, 3–1–66, Cl. 43—44.99.

Rice, Henry T. M., to Ohlsson & Rice, Inc. Demand fuel regulator and priming pump. 3,272,143, 9–13–66, Cl. 103—150.

Rice, Henry T. M., to Ohlsson & Rice, Inc. Centrifugal one-way clutch. 3,283,867, 11–8–66, Cl. 192—105.

Rice, Herbert L.: *See*—
Kern, Curtis R., and Rice. 3,275,552.

Rice, James E., to Goodyear Aerospace Corp. Gravity gradient satellite damping device. 3,270,984, 9–6–66, Cl. 244—1.

Rice, James R.: *See*—
Ballard, Donnell A., and Rice. 3,279,984.

Rice, James R., and D. A. Ballard, to The Dow Chemical Co. Methods and compositions for control of marine organisms. 3,265,567, 8–9–66, Cl. 167—38.6.

Rice, John: *See*—
Goodall, Charles C. O., and Rice. 3,242,841.
Tillotson, Howard T., Rice, Goodall, and Greenaway. 3,242,843.

Rice, John C., to Lowe Paper Co. High gloss coated paper. 3,281,267, 10–25–66, Cl. 117—155.

Rice, Leonard M.: *See*—
Freed, Meier E., and Rice. 3,265,701.
Freed, Meier E., and Rice. 3,265,702.
Grogan, Charles H., and Rice. 3,238,217.
Grogan, Charles H., and Rice. 3,256,276.
Grogan, Charles H., and Rice. 3,257,398.
Grogan, Charles H., and Rice. 3,282,947.

Rice, Leonard M., and C. H. Grogan. Azaspiro alkanes. 3,256,277, 6–14–66, Cl. 260—247.1.

Rice, Leonard M., and M. E. Freed, to American Home Products Corp. Substituted cycloalkanoindoles. 3,282,942, 11–1–66, Cl. 260—268.

Rice, Livingston L.: *See*—
Hynes, David A., Netherwood, and Rice. 3,248,617.
Jennings, Howard R., and Rice. 3,265,945.

Rice, Louis F.: *See*—
Wickham, Henry P., and Rice. 3,290,241.

Rice, Lyman A., to General Motors Corp. Electromagnetic relay having a rotatable armature. 3,240,899, 3–15–66, Cl. 200—104.

Rice, Lyman A., to General Motors Corp. Voltage and current responsive field winding current control. 3,281,650, 10–25–66, Cl. 322—25.

Rice, Madeline R. Mathematical teaching aid. 3,280,480, 10–25–66, Cl. 35—31.

Rice, Millard L.: *See*—
Hamm, William G., Rice, De Fries, and Robinson. 3,243,956.

Rice, Ned C.: *See*—
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Rice, Ned C., W. R. Davison, and F. R. Biancardi, to United Aircraft Corp. Environmental control system. 3,259,176, 7–5–66, Cl. 165—26.

Rice, Ned C., F. R. Biancardi, and A. M. Landerman, to United Aircraft Corp. Power generating system using thiophene as a working fluid. 3,292,366, 12–20–66, Cl. 60—36.

Rice, Orval L., to The New York Air Brake Co. Combined directional control and priority valve. 3,229,717, 1–18–66, Cl. 137—596.12.

Rice, Orval L., to The New York Air Brake Co. Static seal. 3,255,916, 6–14–66, Cl. 220—39.

Rice, Orval L., to The New York Air Brake Co. Valve. 3,267,961, 8–23–66, Cl. 137—596.

Rice, Orval L., and R. C. Westveer, to The New York Air Brake Co. Directional control valve. 3,255,777, 6–14–66, Cl. 137—625.68.

Rice, Paul P., and G. L. Snyder, to The Bendix Corp. Fluid compressor. 3,232,524, 2–1–66, Cl. 230—162.

Rice, Philip K.: *See*—
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Rice, Ray O. and R. R. Mechanical connectors. 3,234,613, 2–15–66. Cl. 24—125.

Rice, Raymond C.: *See*—
Canahan, Frank L., and Rice. 3,241,881.

Rice, Rex, to International Business Machine Corp. Computer data storage system. 3,289,175, 11–29–66, Cl. 340—172.5.

Rice, Rex, and R. A. Rahenkamp, to International Business Machines Corp. Data processing system. 3,246,299, 4–12–66, Cl. 340—172.5.

Rice, Richard E., to Comstock & Wescott, Inc. Copying apparatus. 3,272,066, 9–13–66, Cl. 88—24.

Rice, Richard M., to Reynolds Metals Co. Extruding apparatus. 3,284,848, 11–15–66, Cl. 18—12.

Rice, Richard R.: *See*—
Rice, Ray O. and R. R. 3,234,613.

Rice, Rip G., B. Grushkin, and J. T. Ament, to W. R. Grace & Co. Preparation of trimeric and tetrameric substituted phosphonitriles. 3,234,273, 2–8–66, Cl. 260—543.

Rice, Rip G., and B. Grushkin, to W. R. Grace & Co. Novel halo and amido substituted phenyltriphosphonitriles and preparation thereof. 3,260,685, 7–12–66, Cl. 260—2.

Rice, Rip G., W. S. Hay, and D. M. Perkins, to United States of America, Air Force. Reactivation and stabilization of phenolic adhesives using benzoquinone, peroxides, anhydrides and acids. 3,281,496, 10–25–66, Cl. 260—845.

Rice, Theodore: *See*—
Beuther, Harold, McKinney, Rice, Schmid, Stewart, and Sutphin. 3,245,901.
Donaldson, Robert E., Mansfield, and Rice. 3,285,848.
Frayer, James A., Rice, Strausser, and Sutphin. 3,254,020.
Goldthwait, Richard G., Kwolek, and Rice. 3,269,936.

Rice-Wil Inc.: *See*—
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Rice, William A. Chiropractor's adjustment lever. 3,276,444, 10–4–66, Cl. 128—75.

Rice, William W.: *See*—
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Rich, Beldon L., to Kingston Products Corp. Pressure loaded gear pump. 3,270,680, 9–6–66, Cl. 103—126.

Rich, Charles E., and C. K. Trace, to Sperry Rand Corp. Method of fabricating a matrix cathode. 3,238,596, 3–8–66, Cl. 29—25.17.

Rich, Edward A. E., and J. J. Brockman, to General Electric Co. Gearless rotary mill. 3,272,444, 9–13–66, Cl. 241—176.

Rich Engineering Inc.: *See*—
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Rich, George E., and G. S. McCarthy, to United States of America, Navy. Steady-state heat of fusion thermoelectric generator. 3,276,720, 10–4–66, Cl. 244—1.

Rich, Harold M., and B. L. Weller, to Kitchens of Sara Lee, Inc. Crush-proof sealed package. 3,288,278, 11–29–66, Cl. 206—46.

Rich, Howard B., and A. T. Green, to Howard B. Rich, Inc. Machine for forming ladders. 3,280,454, 10–25–66, Cl. 29—243.52.

Rich, Howard B., Inc.: *See*—
Rich, Howard B., and Green. 3,280,454.

Rich, Hubert A.: *See*—
Caparone, Michael J., and Rich. 3,235,179.

Rich, John P.: *See*—
Pennington, Rohe V., Jr., and Rich. 3,293,117.

Rich, John P., to Improved Machinery, Inc. Pressurized fluid inlet fitting. 3,242,944, 3–29–66, Cl. 137—527.

Rich, John P., and J. T. Flythe, Jr., to Improved Machinery, Inc. Barker. 3,236,273, 2–22–66, Cl. 144—208.

Rich, John W. Shock absorbing buffer. 3,284,122, 11–8–66, Cl. 293—1.

Rich, Leonard G.: *See*—
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Rich, Louis M. Magnetic head support. 3,235,671, 2–15–66, Cl. 179—100.2.

Rich, Maurice, Jr., to Chromcraft, Inc. Means and method of attaching legs to tables. 3,228,359, 1–11–66, Cl. 108—156.

Rich, Samuel, to Acron Aluminum Products Co. Inc. Portable shipping container. 3,233,753, 2–8–66, Cl. 214—10.5.

Rich, Stanley R., to Northern Industries, Inc. Defoaming systems. 3,237,384, 3–1–66, Cl. 55—178.

Rich, Stanley R., to Teknika, Inc. Elastic wave concentrator. 3,276,419, 10–4–66, Cl. 116—137.

Rich, Theodore A., to General Electric Co. Non-turbulent flow ion chamber. 3,258,634, 6–28–66, Cl. 313—231.

Rich, Wilson C., Jr., and D. M. Bradt. Process for the conversion of salt water to fresh water. 3,251,192, 5–17–66, Cl. 62—58.

Richard, Andre M.: *See*—
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Richard, Andre M., to Societe d'Electronique et d'Automatisme. Magnetic core circuits for binary coded information. 3,267,444, 8–16–66, Cl. 340—174.

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Richard, Joseph D. Pressure rate measuring apparatus. 3,246,523, 4–19–66, Cl. 73—407.

Richard, Joseph D., to Rosemount Engineering Co. Ice detection apparatus. 3,276,254, 10–4–66, Cl. 73—170.

Richard, Kenneth L. Tunable electronic component. 3,259,862, 7–5–66, Cl. 336—136.

Richard, Maurel N., to Merck & Co., Inc. Stable-enhanced plasmin solutions. 3,274,059, 9–20–66, Cl. 167—73.

Richard, William R., Jr.: *See*—
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Richards, Chester L., Jr., to Magnetic Devices, Inc. Magnetic coupling. 3,263,107, 7–26–66, Cl. 310—106.

Richards, Daniel R. Loom stock monitor. 3,227,190, 1–4–66. Cl. 139—336.

Richards, Donald E.: *See*—
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Richards, Edward G.: *See*—
Smith Ronald A., and Richards. 3,248,213.

Richards, Edward M.: *See*—
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Richards, George, G. W. Taylor, and W. D. Parkey, to Imperial Chemical Industries Ltd. Production of a sheath-core polyester filament of enhanced dyeability. 3,251,913, 5–17–66, Cl. 264—78.

Richards, George B., to Liquid Controls Corp. Float actuated valve. 3,230,965, 1–25–66, Cl. 137—202.

Richards, George B., to Liquid Controls Corp. Fluid separator. 3,230,966, 1–25–66, Cl. 137—202.

Richards, George B., to Liquid Controls Corp. Liquid supply and metering systems. 3,234,791, 2–15–66, Cl. 73—223.

Richards, George B., to Liquid Controls Corp. Piston operated valve. 3,236,493, 2–22–66, Cl. 251—62.

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Eveson, Geoffrey F., and Richards. 3,288,282.

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Richards, Harry F., and S. A. Herbert, Jr., to Shell Oil Co. Copolymers of long-chained acrylic esters with sulfur-containing acrylates. 3,265,673, 8–9–66, Cl. 260—79.7.

Richards, Howard J., to Freightliner Corp. Weigh scale platform stabilizing apparatus. 3,252,532, 5–24–66, Cl. 177—255.

Richards, Howard R.: *See*—
Alexeff, Alexander V., and Richards. 3,233,808.
Alexeff, Alexander V., and Richards. 3,234,662.

Richards, Hugh C., D. F. Spooner, and J. R. Housley, to Boots Pure Drug Co. Ltd. Penicillin derivatives. 3,274,175, 9–20–66, Cl. 260—239.1.

Richards, James D.: *See*—
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Richards, James R. Fuel ignition system preventing radio frequency interference. 3,248,604, 4–26–66, Cl. 315—213.

Richards, James R., to United States of America, Navy. Sound range recorder. 3,262,091, 7–19–66, Cl. 340—3.

Richards, James R., to United States of America, Navy. Range and bearing recorder. 3,262,092, 7–19–66, Cl. 340—3.

Richards, John A. Backwashing control for multiple-septum filter bed. 3,228,524, 1–11–66, Cl. 210—138.

Richards, John A. Moisture-governed automatic control for irrigation system. 3,238,392, 3–1–66, Cl. 307—116.

Richards, John A., to Swimquip, Inc. Electrolysis cell for production of chlorine. 3,282,823, 11–1–66, Cl. 204—272.

Richards, John A., to Cascade Corp. Feeding of slurry. 3,289,842, 12–6–66, Cl. 210—138.

Richards, John F.: *See*—
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Richards, John H., to United States Steel Corp. Continuous casting mold having ribs. 3,289,257, 12–6–66, Cl. 22—57.2.

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Richards, Leslie D.: *See*—
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Richards, Leslie D., to General Motors Corp. Work piece transfer device. 3,240,360, 3–15–66, Cl. 214—1.

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Richards, Michael, to National Research Development Corp. Shaft seal assemblies. 3,268,232, 8–23–66, Cl. 277—27.

Richards, Oscar W., and A. H. Bennett, to American Optical Co. Dispersive type optical filter utilizing light-transmitting fiber elements. 3,244,075, 4–5–66, Cl. 88—106.

Richards, Raymond R. Detonating fire alarm. 3,238,874, 3–8–66, Cl. 102—33.

Richards, Raymond S., and O. M. Small, to Owens-Illinois, Inc. Method of forming molds for blown plastic articles. 3,249,672, 5–3–66, Cl. 264—219.

Richards, Richard K. Electronic calculator. 3,265,875, 8–9–66, Cl. 235—160.

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Richards, William D. Nozzle switches for fluid delivery systems. 3,277,254, 10–4–66, Cl. 200—52.

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Hedman, Edward A., and Ogren. 3,265,758.
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Richardson, Allan. Apparatus for sharpening drills. 3,239,966, 3–15–66, Cl. 51—92.

Richardson, Cecil R., C. D. Manson, Jr., and E. E. Baker, to Halliburton Co. Selective completion cementing packer. 3,270,814, 9–6–66, Cl. 166—21.

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Richardson, Donald V., to United Aircraft Corp. Jet engine analyzer. 3,238,768, 3–8–66, Cl. 73—116.

Richardson, Douglas K., to Westinghouse Electric Corp. Oil supply systems for refrigerant compressors. 3,240,424, 3–15–66, Cl. 230—207.

Richardson, Douglas K., J. R. Harnish, and J. L. Ditzler, to Westinghouse Electric Corp. Shell- and tube-type liquid chillers. 3,267,693, 8–23–66, Cl. 62—527.

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Richardson, Eugene E., to Standard Oil Co. Alkaline metal sulfonates. 3,260,670, 7–12–66, Cl. 252—33.

Richardson, Eugene E., to Standard Oil Co. Method for obtaining compositions containing petroleum wax and polyethylene. 3,280,062, 10–18–66, Cl. 260—28.5.

Richardson, Eugene M.: *See*—
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Richardson, George, T. N. Ferren, and W. C. Denley, to General Electric Co. Cellular material. 3,226,905, 1–4–66, Cl. 52—666.

Richardson, George A.: *See*—
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Richardson, George A., and G. H. Birum, to Monsanto Co. Arsenic-phosphorus compounds. 3,235,567, 2–15–66, Cl. 260—347.8.

Richardson, George T., to The Offshore Co. Floating mooring system. 3,279,404, 10–18–66, Cl. 114—.5.

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Richardson, Henry M., W. S. Larson, and A. C. Alberghini, to The Youngstown Sheet and Tube Co. Coupling for pipe sections. 3,264,013, 8–2–66, Cl. 285—22.

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Richardson, James R., to Richardson Engineering (Birmingham) Ltd. Barrel apparatus. 3,283,944, 11–8–66, Cl. 220—41.

Richardson, James T., to Esso Research and Engineering Co. Method for modifying the electrical and catalytic properties of a supported catalyst. 3,293,190, 12–20–66, Cl. 252—301.1.

Richardson, James T., and S. S. Toups, to Esso Research and Engineering Co. Apparatus for indicating the thermal E.M.F. and A.C. conductivity of a catalyst. 3,283,248, 11–1–66, Cl. 324—62.

Richardson, Karl M. Aligning device. 3,245,201, 4–12–66, Cl. 33—180.

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Richardson, Paul E. C., to Bristol Siddeley Engines Ltd. Axial flow turbines and compressors. 3,285,567, 11–15–66, Cl. 253—59.

Richardson, Philip, to Associated Electrical Industries Ltd. Apparatus for detecting the location of an electric line fault including means for comparing the voltage and current of the line. 3,281,673, 10–25–66, Cl. 324—52.

Richardson, Robert E.: *See*—
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Richardson, Robert K.: *See*—
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Richardson, Rolland A. Winch assembly. 3,281,120, 10–25–66, Cl. 254—150.

Richardson, Ronald E., to Pittsburgh Plate Glass Co. Blowing frame for tempering glass sheets. 3,227,540, 1–4–66, Cl. 65—348.

Richardson, Ronald E., to Pittsburgh Plate Glass Co. Method and apparatus for bending glass sheets. 3,235,350, 2–15–66, Cl. 65—107.

Richardson, Roy A. Filing drawer insert. 3,227,163, 1–4–66, Cl. 129—30.

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Richardson, Ryden L., to Union Oil Co. of California. Method of preparing nickel-molybdenum-alumina catalysts. 3,285,860, 11–15–66, Cl. 252—465.

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Richardson, Stanley H., and G. S. Schaufelberger, to Union Carbide Corp. Barrier coated thermoplastic olefin polymer substrates. 3,282,729, 11–1–66, Cl. 117—138.8.

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Walker, Herbert O. 3,291,147.

Richardson, William F., to Flex-O-Lators, Inc. Upholstery insulator pad. 3,256,536, 6–21–66, Cl. 5—354.

Richardson, William S., to The Falk Corp. Overrunning clutch. 3,246,726, 4–19–66, Cl. 192—47.

Richart, Douglas S., to The Polymer Corp. Polymer of 3,3-bis(chloromethyl)oxetane stabilized with methyl cis-3,6-endomethylene - 1,2,3,6 - tetrahydrophthalic anhydride. 3,252,936, 5–24–66, Cl. 260—45.8.

Richart, Douglas S., to The Polymer Corp. Adherent poly-3,3-bis(chloromethyl)-oxetane. 3,277,022, 10–4–66, Cl. 260—2.

Richart, Douglas S., to The Polymer Corp. Plasticized vinyl chloride resin containing ethylene-ethyl acrylate copolymer and article coated therewith. 3,277,042, 10–4–66, Cl. 260—31.8.

Richart, Douglas S., to The Polymer Corp. Resinous binder of chlorinated oxetane and phenol-formaldehyde of urea-formaldehyde resin. 3,284,538, 11–8–66, Cl. 260—838.

Richart, Douglas S., to The Polymer Corp. Adherent polymers of 3,3-bis-(chloromethyl)oxetane containing a nitroso compound. 3,288,727, 11–29–66, Cl. 260—2.

Richartz, Paul J.: *See*—
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Richcreek, Alva H., Jr. Control valve means for fuel injection systems. 3,231,003, 1–25–66, Cl. 158—42.1.

Richel, John C., to Allegheny Ludlum Steel Corp. Coil support device. 3,289,966, 12–6–66, Cl. 242—72.

Richelieu Licensing Corp.: *See*—
Speranza, Peter A., and Braun. 3,247,560.
Speranza, Peter A., and Braun. 3,247,561.

Richelli, Federico. Horizontal freezing plate for a twin contact freezer. 3,234,755, 2–15–66, Cl. 62—525.

Richer, Chester J., and H. R. Rahr, to The Preheater Co., Inc. Method of forming an axial seal plate. 3,267,561, 8–23–66, Cl. 29—157.

Richert, Walter J., and R. B. Stewart, Jr., to American Machine & Foundry Co. Electromagnetic relay with multiple spring type contacts. 3,230,329, 1–18–66, Cl. 200—104.

Richert Walter J., to American Machine & Foundry Co. Electromagnetic relays. 3,253,095, 5–24–66, Cl. 200—87.

Richert, Walter J., to American Machine & Foundry Co. Miniature electromagnetic relay and mounting bracket arrangement therefor. 3,253,096, 5–24–66, Cl. 200—87.

Riches, Frederick C., to Sargrove Electronics Ltd. Electronic remote indicating and/or controlling apparatus. 3,281,791, 10–25–66, Cl. 340—172.

Riches, Frederick C., P. H. Varney, and K. Clark, to Sargrove Electronics Ltd. Electronic indicator systems. 3,287,715, 11–22–66, Cl. 340—184.

Richey, James. Combination trowel and gauge. 3,290,712, 12–13–66, Cl. 15—105.5.

Richey, James D., to Bell Telephone Laboratories, Inc. Optical scanning device utilizing optical fibers disposed in a helical array. 3,270,132, 8–30–66, Cl. 178—7.6.

Richey, Thomas B., Jr.: *See*—
Sunde, Conrad J., and Richey. 3,272,851.

Richey, Thomas B., Jr., and C. J. Sunde, to Malmstrom Chemical Corp. Deodorization of lanolin and lanolin derivatives. 3,272,850, 9–13–66, Cl. 260—428.

Richey, William H.: *See*—
Hayward, Robert R., Raynovich, and Richey. 3,294,528.

Richey, Willie H. Welding helmet. 3,238,535, 3–8–66, Cl. 2—8.

Richfield Oil Corp.: *See*—
Barnes, Robert L., and Dinsmore. Re. 26,116.
Brown, Cicero C., and Wakefield. 3,279,539.
Clark, Lincoln. 3,250,394.
Daigh, Harold D. 3,237,615.
Daigh, Harold D. 3,237,617.
Daigh, Harold D., and Richards. 3,237,616.
Johnstone, Robert D., and Kofahl. 3,285,337.
Johnstone, Robert D., and Wakefield. 3,236,301.
Johnstone, Robert D., and Wakefield. 3,291,210.
Leake, William D. 3,236,308.
Leake, William D. 3,237,694.
Marantette, James C., and Bennett. 3,268,933.
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Sargent, Herbert. 3,227,693.
Skripek, Milan. 3,238,266.
Wakefield, Charles E., Jr. 3,227,229.
Wakefield, Charles E., Jr. 3,232,346.
Wakefield, Charles E., Jr. 3,247,904.
Wakefield, Charles E., Jr. 3,279,536.
Wakefield, Charles E., Jr. 3,282,336.
Wakefield, Charles E., Jr. 3,291,217.

Richheimer, Ralph. Staining racks. 3,245,675, 4–12–66, Cl. 269—154.

Richie, Carlton A.: *See*—
Plymale, Charles E., and Richie. 3,277,220.

Richier S.A.: *See*—
Durand, Pierre. 3,233,375.
Vivier, Claude. 3,229,602.

Richison, Ethel M.: *See*—
Richison, Eugene M. and Ethel M. 3,286,776.

Richison, Eugene M. and Ethel M.; ½ to K. Conklin and T. H. Conklin, jointly. Combination power hand tool. 3,286,776, 11–22–66, Cl. 173—48.

Richleu Corp.: *See*—
Root, Raymond C., and Werkmeister. 3,229,757.

Richlin, Isadore M.: *See*—
Deal, Elmer F., Richlin, and Wilson. 3,232,783.

Richline Co., Inc., The: *See*—
Molitor, Donald H., and Richardson. 3,280,615.

Richman, Donald, to Hazeltine Research, Inc. Signal-precorrecting apparatus for minimizing quadrature distortion. 3,244,807, 4–5–66, Cl. 178—6.

Richman, Theodore A., and L. Goldberg, to T. A. Richman and R. E. Cherin. Apparatus for monitoring the operation of a machine. 3,281,855, 10–25–66, Cl. 346—33.

Richmond, Alvin: *See*—
Waxter, William E., and Richmond. 3,278,332.

Richmond, Glenn F.: *See*—
Kruse, Clarence E., and Richmond. 3,289,359.

Richmond, Gordon R., to Concrete Masonry Corp. Method of securing a connecting means in a concrete structural member. 3,239,913, 3–15–66, Cl. 29—155.

Richmond, Henry H.: *See*—
Barton, Oliver A., and Richmond. 3,243,393.

Richmond, James T.: *See*—
Cooper, Michael J., and Richmond. 3,233,966.

Richmond, James W.: *See*—
Jepson, Ivar, Morgan, and Richmond. 3,248,867.

Richmond, Joy H. Hair roller. 3,241,561, 3–22–66, Cl. 132—40.

Richmond, Martin R., to Sanders Associates, Inc. Commutator for sequentially sampling a plurality of input signals. 3,246,164, 4–12–66, Cl. 307—81.

Richmond, Moscow K. Rotary speed-change-sensing mechanism. 3,233,162, 2–1–66, Cl. 318—264.

Richmond, Raymond. Process for aggregating coffee composition. 3,227,558, 1–4–66, Cl. 99—71.

Richmond, Roy H., Sr., to Eagle Mfg. Co. Venting cap for containers. 3,254,789, 6–7–66, Cl. 220—44.

Richmond Screw Anchor Co., Inc.: *See*—
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MacRobbie, Robert M. 3,229,950.

Richmond, William J., to Davy and United Engineering Co. Ltd. Shearing mechanisms. 3,289,518, 12–6–66, Cl. 83—664.

Richmond, William J.: *See*—
Holmes, Gordon D., and Richmond. 3,289,813.

Richner, Arthur. Kitchen sieve for sieving boiled vegetables and the like. 3,247,875, 4–26–66, Cl. 146—175.

Richolt, Robert R., to The Boeing Co. Fail safe servo valve. 3,253,613, 5–31–66, Cl. 137—596.

Richter, Adolf, G. Cohnen, H. Bauer, and R. Rinesch, to Gusstahlwerk Witten Aktiengesellschaft. Process for the production of alloy steels. 3,262,772, 7–26–66, Cl. 75—52.

Richter, Adolf, and H. Bauer, to Gusstahlwerk Witten Aktiengesellschaft. Production of alloy steel. 3,282,679, 11–1–66, Cl. 75—52.

Richter, Aron. Gelatin and copper chelate nail bodying compositions and methods. 3,257,280, 6–21–66, Cl. 167—85.

Richter, Carl W. Gage plate. 3,286,354, 11–22–66, Cl. 33—174.

Richter, Charles W., to General Plastics Corp. Mounting device. 3,241,800, 3–22–66, Cl. 248—231.

Richter, Charles W., III, to General Plastics Corp. Garland light. 3,253,137, 5–24–66, Cl. 240—10.

Richter, Donald L., to Radio Corp. of America. Sound signal transforming system. 3,229,038, 1–11–66, Cl. 179—1.

Richter, Donald L., to Radio Corp. of America. Sound signal correction system. 3,293,364, 12–20–66, Cl. 179—1.

Richter, Edwin T. Incinerator door. 3,282,233, 11–1–66, Cl. 110—175.

Richter, Erhard, to Electroacoustic Gesellschaft mit beschrankter Haftung. Phonograph pickup with removable rotatable stylus assembly. 3,243,523, 3–29–66, Cl. 179—100.41.

Richter, Ernst, and K. A. Clatfelter, to Campbell Soup Co. Can handling and filling apparatus. 3,238,979, 3–8–66, Cl. 141—78.

Richter, Eugene G., to Honeywell Inc. Print hammer control apparatus. 3,285,165, 11–15–66, Cl. 101—93.

Richter, Gedeon, A.G.: *See*—
Szasz, Kalman, Takacs, and Farkas. 3,279,890.

Richter, George A., Jr., C. H. McBurney, and B. B. Kine, to Rohm & Haas Co. Method of producing anion-exchange fibers, films, and the like. 3,233,026, 2-1-66, Cl. 264—178.

Richter, Gerhard: *See*—
Bartek, Joseph, Nagelschmidt, Ranvier, and Richter. 3,263,931.

Richter, Hans, to Hommelwerke G.m.b.H. Instrument for the measuring of inside diameters. 3,233,329, 2-8-66, Cl. 33—147.

Richter, Hans J., to Siemens & Halske Aktiengesellschaft. Perforating device for the recording of message signals, data, measurement values or the like, especially in conjunction with a drum counting mechanism and/or printing mechanism. 3,236,444, 2-22-66, Cl. 234—85.

Richter, Hans H., to Leesona Corp. False twist spindle. 3,292,357, 12-20-66, Cl. 57—77.45.

Richter, Harold K.: *See*—
Andreasen, Christian B., Richter, and Stoner. 3,267,935.

Richter, Harvey E. Fluid flow device. 3,276,382, 10-4-66, Cl. 103—87.

Richter, Helmer, and D. Rahtz, to Schering AG. 1-benzyl-2-aminomethyl-5,6-dialkoxy benzimidazoles. 3,265,691, 8-9-66, Cl. 260—247.5.

Richter, Helmut, P. Wohlfahrt, P. Fuchs, and A. Arndt, to Vereinigte Backeresmaschinenwerke, Veb. Device for automatic feeding of dough from a conveyor to a receiving station. 3,259,815, 12-6-66, Cl. 198—139.

Richter, Henry: *See*—
Horberg, Charles, Jr., and W. A. and H. Richter. 3,276,644.

Richter, John F.: *See*—
Elliott, Paul L., and Richter. 3,227,848.

Richter, John G.: *See*—
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Richter, Joseph, to Standard Packaging Corp. Web registration system. 3,294,301, 12-27-66, Cl. 226—27.

Richter, Lothar: *See*—
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Richter, Ole J., to Kamyr Aktiebolaget. Laboratory apparatus for treatment of cellulosic material continuously fed through a container. 3,293,119, 12-20-66, Cl. 162—237.

Richter, Philip, L. B. Smith, and F. J. Luipersbeck, to Fuller Co. Automatic hold back device. 3,270,801, 9-6-66, Cl. 160—213.

Richter, Philip, F. J. Luipersbeck, and W. A. Czarnecki, to Fuller Co. Hatch cover assembly. 3,285,217, 11-15-66, Cl. 114—202.

Richter, Ralph W.: *See*—
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Rickert, Richard M., to Bell Telephone Laboratories, Inc. Switching converter power supplies with series-connected inputs. 3,249,703, 5-3-66, Cl. 179—170.

Richter, Robert L.: *See*—
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Richter, Roy, to Bell Auto Parts, Inc. Nonferrous wheel having steel inserts and steel rim welded thereto. 3,250,571, 5-10-66, Cl. 301—65.

Richter, Sidney B.: *See*—
Barnas, Eugene F., and Richter. 3,278,647.
Barnas, Eugene F., and Richter. 3,278,649.
Barnas, Eugene F., and Richter. 3,278,650.
Barnas, Eugene F., and Richter. 3,278,651.
Barnas, Eugene F., and Richter. 3,278,652.
Barnas, Eugene F., and Richter. 3,280,225.
Barnas, Eugene F., and Richter. 3,280,226.
Ross, Frank, and Richter. 3,291,796.

Richter, Sidney B., to Velsicol Chemical Corp. Dibromo alkylaniline nematocide. 3,245,873, 4-12-66, Cl. 167—30.

Richter, Sidney B., to Velsicol Chemical Corp. N-alkylmercapto-ureas and a method for controlling weeds. 3,276,855, 10-4-66, Cl. 71—2.6.

Richter, Sidney B., and D. P. Mayer, to Velsicol Chemical Corp. N,N-mono- and di-substituted-aralkyl amines. 3,227,756, 1-4-66, Cl. 260—570.8.

Richter, Sidney B., and D. P. Mayer, to Velsicol Chemical Corp. N-(substituted phenyl)-aralkyl amines. 3,227,757, 1-4-66, Cl. 260—570.8.

Richter, Sidney B., and D. P. Mayer, to Velsicol Chemical Corp. Phenalkylamines. 3,227,758, 1-4-66, Cl. 260—570.9.

Richter, Sidney B., and D. P. Mayer, to Velsicol Chemical Corp. N-(substituted phenyl)-aralkyl amines. 3,227,759, 1-4-66, Cl. 260—570.9.

Richter, Sidney B., and D. P. Mayer, to Velsicol Chemical Corp. N,N-mono- and di-substituted-aralkyl amines. 3,227,760, 1-4-66, Cl. 260—570.9.

Richter, Sidney B., and A. A. Levin, to Velsicol Chemical Corp. N-alkyl-N-alkoxy-amides of 2,3,5,6-tetrachloroterephthalic acid esters. 3,278,582, 10-11-66, Cl. 260—471.

Richter, Virgil J.: *See*—
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Manahan, Roderick D., and Richter. 3,227,618.

Richter, Walther, and J. A. Gardner, to Cutler-Hammer, Inc. Proximity switching system. 3,292,052, 12-13-66, Cl. 317—148.5.

Richter, Wilhelm: *See*—
Bretschneider, Hermann, and Richter. 3,249,603.

Richter, William A.: *See*—
Horberg, Charles, Jr., and W. A. and H. Richter. 3,276,644.

Richter, Willy: *See*—
Korber, Kurt, and Richter. 3,261,364.

Richter, Willy, and W. Ringe, to Hauni Werke Korber & Co. K.G. Apparatus for producing a tobacco rod. 3,261,366, 7-19-66, Cl. 131—84.

Richter, Wolfgang M. E., to J. A. Schmalback, Aktiengesellschaft. Procedure and apparatus for the production of cardboard cases noncircular in cross-section. 3,256,783, 6-21-66, Cl. 93—36.

Richtzenhain, Hermann, P. Janssen, and R. Cordes, to Dynamit Nobel Aktiengesellschaft. Process for the production of polyoxymethylenes. 3,252,938, 5-24-66, Cl. 260—67.

Richtzenhain, Hermann, and P. Riegger, to Feldmuehle Papier- und Zellstoffwerke Aktiengesellschaft. Process of continuously producing vinylidene chloride. 3,290,398, 12-6-66, Cl. 260—654.

Rickard, Charlotte I.: *See*—
Mathison, Robert V., Bletzinger, and Rickard. 3,288,141.

Rickard, Donn J.: *See*—
Andrews, Richard A., and Rickard. 3,235,087.

Rickard, Donn J., F. K. Holbrook, and T. H. Gill, to Brown Citrus Machinery Corp. Citrus fruit handling machinery. 3,250,210, 5-10-66, Cl. 100—53.

Rickard, Earl K., and H. Schroeder, to Combustion Engineering, Inc. Arrangement of a buckstay system for wide furnace steam generators. 3,274,977, 9-27-66, Cl. 12—240.

Rickard, Melvin D., to Dow Chemical Co. Rectangular gas and liquid contact bed having a liquid distributor. 3,263,977, 8-2-66, Cl. 261—112.

Rickards, James C.: *See*—
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Ricke, Donald W., and D. C. Sanford, to Honeywell, Inc. Air data computer. 3,232,530, 2-1-66, Cl. 235—61.

Ricke, Maurine E. Clipboard. 3,272,206, 9-13-66, Cl. 129—37.

Rickel, William R., to Whirlpool Corp. Method and apparatus for dispensing an additive to a washing machine. 3,258,792, 7-5-66, Cl. 8—158.

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Brenner, Carl M., and Rickenbacher. 3,275,619.

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Schwartz, Erich, Ricker, and Schmidt. 3,282,885.

Ricker, John D., to United States of America, Air Force. Pressure relief valve assembly. 3,291,150, 12-13-66, Cl. 137—541.

Ricker, William C., and G. H. Simpson, to Sylvania Electric Products Inc. Encapsulated thermostatic switch having a heater disposed in the stem. 3,272,944, 9-13-66, Cl. 200—122.

Rickert, Glenn E. and R. M.; said R. M. Rickert, assor. to said G. E. Rickert. Self luminous reticle. 3,230,627, 1-25-66, Cl. 33—50.

Rickert, Herbert B., to The Dow Chemical Co. Polyurethane synthesized from polyisocyanates and polyesters of polyola and coal acids. 3,242,126, 3-22-66, Cl. 260—31.2.

Rickert, Roger M.: *See*—
Rickert, Glenn E. and R. M. 3,230,627.

Ricketts, Charles J., to Sundstrand Corp. Pump or motor device. 3,249,061, 5-3-66, Cl. 103—162.

Ricketts, Colin J., A. J. Bodnar, F. T. Braithwaite, S. R. Johnson, and E. E. Wheeler. Glide path indicator system. 3,279,406, 10-18-66, Cl. 114—43.5.

Ricketts, Donald B.: *See*—
Clay, Haile S., Cantoni, and Ricketts. 3,281,543.

Ricketts, James M.: *See*—
Colliman, John S., Flanigan, Ricketts, Turunen, and Vickers. 3,267,674.

Ricketts, Luther W., L. F. Glaeser, Jr., and K. L. Seib, to The Magnavox Co. Static safety and arming device. 3,241,373, 3-22-66, Cl. 73—503.

Rickey, Edward A.: *See*—
Daubenspeck, Benjamin K., and Rickey. 3,270,671.

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Raffe, Joseph P. 3,281,887.

Rickles, Robert N.: *See*—
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Rickless, Nathan, and P. L. Ruben, to Bausch & Lomb Inc. Symmetrical three element projection lens system. 3,237,520, 3-1-66, Cl. 88—57.

Rickless, Nathan, and P. L. Ruben, to Bausch & Lomb Inc. Four component microscope objective. 3,244,074, 4-5-66, Cl. 88—57.

Rickless, Nathan, and P. L. Ruben, to Bausch & Lomb Inc. Telephoto type optical system composed of two achromatic doublets of opposite sign. 3,247,764, 4-26-66, Cl. 88—57.

Rickless, Nathan, and P. L. Ruben, to Bausch & Lomb Inc. Long focus photographic objective. 3,262,362, 7-26-66, Cl. 88—57.

Rickless, Nathan B.: *See*—
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Rickley, Samuel S., to Morgan Construction Co. Pressurized lubricating system. 3,270,836, 9-6-66, Cl. 184—6.

Ricklick, Eugene A., to Stockland Road Machinery Co. Malt house kiln floor. 3,243,894, 4-5-66, Cl. 34—237.

Ricklin, Saul: *See*—
Rulon-Miller, Robert, and Ricklin. Re. 26,088.

Rickman, Elwood R.: *See*—
Miller, Byron L., and Rickman. 3,277,765.

Ricks, Bernard E., to TRW Inc. Method and apparatus for forming ball studs. 3,255,623, 6-14-66, Cl. 72—256.

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Riddell, George, to Bell Telephone Laboratories, Inc. Multidigit register circuit. 3,231,675, 1-25-66, Cl. 179—18.

Riddell, George, to Bell Telephone Laboratories, Inc. Sequence control circuit. 3,290,657, 12-6-66, Cl. 340—172.5.

Riddell, John T., Inc.: *See*—
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Morgan, Gerard E. 3,248,738.
Morgan, Gerard E. 3,254,883.
Morgan, Gerard E. 3,289,212.

Ridder, Eric, and W. S. Gubelmann, to Realty & Industrial Corp. Windigo spinnaker pole and jibing system. 3,228,372, 1-11-66, Cl. 114—102.

Ridderikhoff, Werner, and H. Voetter, to Shell Oil Co. Purification of sulfolane compounds. 3,252,997, 5-24-66, Cl. 260—332.1.

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Hass, Robert H., Reeg, and Riddick. 3,256,178.

Riddle, James M., to Ethyl Corp. Magnesium bis-(vinyl aluminum trihydride). 3,262,958, 7-26-66, Cl. 260—448.

Riddle, James M., to Ethyl Corp. Lithium tetravinylaluminum bis(diethyl etherate). 3,262,959, 7-26-66, Cl. 260—448.

Riddle, James M., to Ethyl Corp. Preparation of complex lithium vinyltriethylboron. 3,262,979, 7-26-66, Cl. 260—606.5.

Riddle, John B., and R. B. McLaughlin, said McLaughlin assor. to said Riddle. Timer actuator. 3,247,403, 4-19-66, Cl. 307—141.

Riddle, John B., and R. B. McLaughlin, to Micro Magnetic Industries, Inc. Document recognizing apparatus. 3,256,968, 6-21-66, Cl. 194—4.

Riddle, John B., A. B. Bergh, and C. O. Forge. Method and apparatus for recognizing printed currency. 3,280,974, 10-25-66, Cl. 209—111.8.

Riddle, Milton M. Door operated vehicle boarding step. 3,229,993, 1-18-66, Cl. 280—166.

Riddle, Richard L., to Western Electric Co., Inc. System for maintaining an object in a predetermined reference plane. 3,271,650, 9-6-66, Cl. 318—489.

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Ridenour, Wayne F., to Landis Machine Co. Torsional impact severing machine. 3,255,940, 6-14-66, Cl. 225—102.

Ridenour, Wayne F., to Ventfabrics Inc. Damper blade linkage. 3,261,373, 7-19-66, Cl. 137—601.

Ridenour, Williard L., to Hoover Ball and Bearing Co. Insulator for foam pads and method of making the same. 3,273,179, 9-20-66, Cl. 5—354.

Rideout, Gerald E., to Signal Mfg. Co. Filter support for vacuum cleaners. 3,254,480, 6-7-66, Cl. 55—471.

Rider, Henry A., Jr., to Westinghouse Electric Corp. Electromagnetic device having a resilient shading coil. 3,283,275, 11-1-66, Cl. 335—245.

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Ridgeway, Edward L., to The Perfection Steel Body Co. Elevating platform. 3,258,139, 6-28-66, Cl. 214—77.

Ridgeway, Edward L., and W. S. Appleman. Lift and dump apparatus for refuse containers. 3,278,059, 10-11-66, Cl. 214—302.

Ridgeway, John D., Jr., to Inland Container Corp. Easy-opening container. 3,237,841, 3-1-66, Cl. 229—44.

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Ridinger, Philip G., to Bell Telephone Laboratories, Inc. Magnetic binary cells. 3,254,328, 5-31-66, Cl. 340—147.

Ridley, John W., to American Home Products Corp. Apparatus for assembling and filling cartridge-needle units. 3,247,641, 4-26-66, Cl. 53—67.

Ridley Mfg. Co., Inc.: *See*—
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Ridyard, John: *See*—
Wignall, Norman, and Ridyard. 3,230,917.

Ridyard, John, and N. Wignall. Production of tufted fabrics. 3,229,652, 1-18-66, Cl. 112—79.

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Rieber, Frank, Jr., to Interstate Service Corp. d.b.a. Ball Associates Ltd. Method for displacement of fluids in underground storage of gases. 3,275,078, 9-27-66, Cl. 166—42.

Rieber, Martin, to Farbwerke Hoechst Aktiengesellschaft. Process for the manufacture of fibers and filaments of polyethylene terephthalate. 3,245,955, 4-12-66, Cl. 260—75.

Riebman, Leon, W. F. Epperly, Jr., to American Electronic Laboratories, Inc. Switching means for high frequency signals. 3,230,386, 1-18-66, Cl. 307—88.5.

Riebs, Richard E., to McGraw-Edison Co. Voltage magnitude control circuit. 3,235,788, 2-15-66, Cl. 323—43.5.

Riebs, Richard E., to McGraw-Edison Co. Control circuit. 3,255,384, 6-7-66, Cl. 317—22.

Riebs, Richard E., to McGraw Edison Co. Thermal relay. 3,274,359, 9-20-66, Cl. 200—122.

Riebs, Richard E., to McGraw-Edison Co. Photo-control device employing thermal relay. 3,294,974, 12-27-66, Cl. 250—206.

Riebs, Richard E., A. F. Loeffler, and N. J. Reis, to McGraw-Edison Co. Repeating circuit interrupter. 3,295,017, 12-27-66, Cl. 317—22.

Rieck, Gerhard, and H. Weber, to Titangesellschaft m.b.H. Process for improving gloss retention and chalking resistance of rutile pigments. 3,251,705, 5-17-66, Cl. 106—300.

Rieckmann, Peter: *See*—
Rey, Hans-Georg, and Rieckmann. 3,234,220.

Rieckmann, Peter, H.-G. Rey, and E. Haack, to C. F. Boehringer & Soehne, G.m.b.H. Indicator and method for manufacturing the same. 3,232,710, 2-1-66, Cl. 23—253.

Ried, Walter A., J. J. Schrader, Jr., and C. W. Werntz, to Engel Equipment, Inc. Duct board grooving machine having inside dimension compensator. 3,242,780, 3-29-66, Cl. 83—5.

Ried, Walter A., and C. W. Werntz, to Engel Equipment, Inc. Sheet material workpiece separator and feed apparatus. 3,251,593, 5-17-66, Cl. 271—10.

Riede, Raymond G.: *See*—
Vander Linden, Carl R., and Riede. 3,233,740.

Riede, Raymond G., to Johns-Manville Corp. Method of preparing perlite products. 3,235,635, 2-15-66, Cl. 264—56.

Riede, Raymond G., to Johns-Manville Corp. Glass fiber cartridge filters for drycleaning solvent filtration. 3,261,473, 7-19-66, Cl. 210—282.

Riedel, Franz, to Kieserling & Albrecht, Th. Device for machining the ends of pipes. 3,280,672, 10-25-66, Cl. 82—2.

Riedel, Herbert. Projection screen adapted to be rolled up. 3,233,658, 2-8-66, Cl. 160—328.

Riedel, Herbert. Transparency frames and means for loading transparencies into such frames. 3,281,976, 11-1-66, Cl. 40—152.

Riedel, Kurt A., to Kearney & Trecker Corp. Machine tool with a combined tool storage and changing mechanism. 3,292,235, 12-20-66, Cl. 29—26.

Riedel, Nobert, and R. Schubert; said Schubert assor. to said Riedel. Electromagnetically operated braking devices. 3,259,215, 7-5-66, Cl. 188—161.

Riedell, Edwin H. V-shaped gynecological examination support device. 3,228,399, 1-11-66, Cl. 128—303.

Rieder, Otto E., to General Impact Extrusions (Mfg.) Ltd. Flexible container with outsert. 3,227,318, 1-4-66, Cl. 222—92.

Rieder, Zoltan. Collapsible shutter device. 3,262,488, 7-26-66, Cl. 160—202.

Riedhammer, Josef, and J. Kurzeja, to Stahlwerke Bruninghaus G.m.b.H. Process for assembling pistons and connecting rods of axial piston machines. 3,263,311, 8-2-66, Cl. 29—156.5.

Riedl, Franz. Infinitely variable gear, preferably for motor vehicles. 3,229,549, 1-18-66, Cl. 74—640.

Riedl, Hans-Joachim, H. Frank, and W. Sauermilch, to Wasag-Chemie Aktiengesellschaft. Explosive with trinitrobenzene. 3,271,212, 9-6-66, Cl. 149—92.

Riedl, Hans-Joachim, and H. Schluter. Explosive plastic folia containing gelatinized nitrocellulose. 3,284,254, 11-8-66, Cl. 149—2.

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Hirschbeck, Josef, and Riedl. 3,274,281.

Riedl, Kurt: *See*—
Kraushaar, Alfred, and Riedl. 3,272,834.

Riedy, Kermit J.: *See*—
Hudson, Robert M., and Riedy. 3,282,731.

Riefler, Roger G., to Automatic Switch Co. Clamping means for a solenoid assembly. 3,281,740, 10-25-66, Cl. 335—255.

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Cote, Raymond A. 3,282,410.
Craddock, Donald L., and Gorski. 3,249,283.
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Holmes, Raynor M. 3,252,651.
Latimer, Paul R. 3,244,795.
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Schlienz, Ralph W., and Boyd. 3,246,833.
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Riegel Textile Corp.: *See*—
Dexter, Robert G., and Blake. 3,246,816.
Dexter, Robert G., and Sawyer. 3,243,182.
Goodbar, Reid C., and Simril. 3,287,788.
Goodbar, Reid C., and Smith. 3,241,999.
Gore, Graves T. 3,227,118.
Gore, Graves T., Martin, and Smith. 3,250,245.
Gore, Graves T., and Norcross. 3,227,119.
Johnson, Clarence O. 3,237,625.
Kern, Dale W. 3,285,246.
Reynolds, Linton C., and Shirley. 3,251,727.

Riegelman, Harry M., to Ador Corp. Frame construction for doors and windows. 3,267,632, 8-23-66, Cl. 52—656.

Riegelman, Harry M., to Ador Corp. Locking handle for sash. 3,275,361, 9-27-66, Cl. 292—120.

Riegelman, Harry M., to Ador Corp. Reversible sliding door and window construction. 3,281,993, 11-1-66, Cl. 49—425.

Riegelman, Harry M., to Ador Corp. Frame construction for multiple panels. 3,283,455, 11-8-66, Cl. 52—204.

Rieger, Frederic L., and P. H. Hamisch, Jr., to The Monarch Marking System Co. Fastener. 3,273,705, 9-20-66, Cl. 206—56.

Rieger, Richard F., T. W. Schafer, and I. D. Wells, to Applied Machine Research Inc. Metal working machine and machining process. 3,259,023, 7–5–66, Cl. 90—13.5.

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Riegger, Ulrich, to Haüni-Werke Korber & Co., K.G. Method of producing cigar fillers. 3,327,628, 3–1–66, Cl. 131—20.

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Riegler, Ernst, to Kalle Aktiengesellschaft. Apparatus for shirring sausage casings. 3,264,680, 8–9–66, Cl. 17—42.

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Riehl, Wilhelm, to General Motors Corp. Automatic gear-change mechanism. 3,228,496, 1–11–66, Cl. 192—3.5.

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Riehle, Udo. Writing implement with slide rule. 3,261,548, 7–19–66, Cl. 235—7.1.

Riek, Marvin R., to Union Carbide Corp. High intensity carbon electrode. 3,262,005, 7–19–66, Cl. 313—311.

Rieke, Glenn T., to Rieke Metal Products Corp. Means of attaching a closure to containers. 3,250,428, 5–10–66, Cl. 220—60.

Rieke, John W., to Bell Telephone Laboratories, Inc. Power supply. 3,260,922, 7–12–66, Cl. 321—47.

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Rielly, Francis J.: *See*—
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Rielly, Francis J., and P. F. Del Conte, to Celanese Corp. of America. Shaped oxymethylene thermoplastic polymer and method of surface treating same. 3,248,271, 4–26–66, Cl. 156—2.

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Riemenschneider, William K.: *See*—
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Riemerschmid, Anton, and W. Eckerlin. Contact screen. 3,258,341, 6–28–66, Cl. 96—116.

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Rienacker, William O., and E. 3,258,903.

Rienacker, William O., and E. Rienacker. Hand cultivator or rake. 3,258,903, 7–5–66, Cl. 56—400.18.

Riepen, Garman J. Tire changer adapter. 3,286,760, 11–22–66, Cl. 157—1.1.

Rieppel, Perry J., G. E. Faulkner, J. W. Nelson, and H. C. Cook, to Esso Research and Engineering Co. Welded joint. 3,236,547, 2–22–66, Cl. 285—286.

Rieppel, Perry J., G. E. Faulkner, J. W. Nelson, and H. C. Cook, to Esso Research and Engineering Co. Method for forming girth welds between large tubular metal sections. 3,277,567, 10–11–66, Cl. 29—482.

Ries, Frank R. Belt buckle. 3,252,196, 5–24–66, Cl. 24—230.

Ries, Herman E., Jr., and J. Gabor, to Standard Oil Co. Method of increasing the evaporation of water in the recovery of fresh water and salt. 3,290,231, 12–6–66, Cl. 203—10.

Ries, Roger P.: *See*—
Satterthwaite, Cameron B., and Ries. 3,267,730.

Rieser, John D. Uni-mount gearmotored pulley and its readying facilities. 3,238,805, 3–8–66, Cl. 74—421.

Riesser, Gregor H., and R. F. Smith, to Shell Oil Co. Preparation of acetic anhydride by the catalyzed oxidation of acetaldehyde in the presence of a mixture of boric acid and oxalic acid. 3,281,462, 10–25–66, Cl. 260—546.

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Riesz, Robert R., to Bell Telephone Laboratories, Inc. Echo suppressor with improved break-in. 3,231,687, 1–25–66, Cl. 179—170.2.

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Rietdijk, Johan A., to North American Philips Co., Inc. Piston cylinder means with fluid-coupled drive means and rolling diaphragm seal. 3,277,795, 10–11–66, Cl. 92—84.

Rietdijk, Johan A., H. H. M. van der Aa, H. C. J. van Beukering, and R. J. Meijer, to North American Philips Co., Inc. Device of the kind comprising rolling diaphragm seals between two relatively reciprocating coaxial elements. 3,241,379, 3–22–66, Cl. 74—18.2.

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Hoyler, Ernst F. 3,276,195.
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Rieth, Harold F., to Packard-Bell Electronics Corp. Printed board wiring. 3,237,282, 3–1–66, Cl. 29—155.5.

Rieth, Harold F., to Packard-Bell Electronics Corp. Ceramic capacitor. 3,246,215, 4–12–66, Cl. 317—242.

Rieth, Harold F., to Packard-Bell Electronics Corp. Photoelectric organ. 3,250,844, 5–10–66, Cl. 84—1.18.

Rieth, Harold F., to Packard Bell Electronics Corp. Data processing apparatus. 3,264,452, 8–2–66, Cl. 235—61.6.

Rieth, Harold F., to Packard-Bell Electronics Corp. Electrical capacitor and methods of forming the capacitor. 3,284,683, 11–8–66, Cl. 317—258.

Rieth, Harold F., to Packard-Bell Electronics Corp. Electrical capacitor formed from thin films. 3,284,685, 11–8–66, Cl. 317—261

Rieth, Harold F., to Packard-Bell Electronics Corp. Angularly adjustable folded dipole. 3,290,689, 12–6–66, Cl. 343—803.

Riethmann, Ray E., J. R. Grout, N. O. Peck, and W. H. Peck, Sr. Heavy-duty centrifugal separators. 3,273,718, 9–20–66, Cl. 210—370.

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Rietz, Earl B., and R. W. Lindberg, to I.T.E. Circuit Breaker Co. Oil circuit breaker interrupter structure with removable external insulation tube. 3,284,603, 11–8–66, Cl. 200—150.

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Rietz, Ulrich, P. Schmitz, and H. Unterguggenberger, deceased, by L., R., and C. Unterguggenberger, heirs, to Wacker-Chemie G.m.b.H. Method of priming a metal surface with a terpolymer solution containing a polyhydroxy compound. 3,285,772, 11–15–66, Cl. 117—75.

Rietzler, Rudolf, to F. Schulten. Apparatus for forming selvedges containing turning threads. 3,280,852, 10–25–66, Cl. 139—54.

Riffe, William J. Rocker arm operating and timing apparatus for internal combustion engine. 3,292,604, 12–20–66, Cl. 123—90.

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Rifkin, Arnold S. Typewriter eraser. 3,237,748, 3–1–66, Cl. 197—181.

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Rifkin, Morton S., to Florida Aluminum Enterprises, Inc. Sliding panel structure. 3,284,953, 11–15–66, Cl. 49—420.

Rigazio, Anthony W., to Electrical Utilities Co. Capacitor and terminal stud assembly therefor. 3,260,905, 7–12–66, Cl. 317—260.

Rigby, Francis L., and W. E. Parker, to Canadian Breweries Ltd. Continuous boiling and hopping of brewers' wort. 3,231,384, 1–25–66, Cl. 99—52.

Rigby, George R., to Canadian Refractories Ltd. Grooved refractory brick construction. 3,252,261, 5–24–66, Cl. 52—573.

Rigby, George W., to E. I. du Pont de Nemours and Co. Process for the recovery of hexahydroazepine. 3,272,724, 9–13–66, Cl. 203—81.

Rigby, Richard, to Shell Oil Co. Transporting liquefied gas in combination with crude oil. 3,246,480, 4–19–66, Cl. 62—48.

Rigden, Jameson D., and A. D. White, to Bell Telephone Laboratories, Inc. Visible output gaseous optical maser with mode pattern selector 3,242,439, 3–22–66, Cl. 331—94.5.

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Rigert, Max, to McGraw-Edison Co. Sectionalizing switch. 3,239,617, 3–8–66, Cl. 200—48.

Rigg, Shepherd, and J. R. Wright, to United Kingdom Atomic Energy Authority. Bearing assemblies. 3,261,648, 7–19–66, Cl. 308—121.

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Gravenor, Conrad P., Govett, and Rigg. 3,258,332.

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Riggins, Lonnie, to Phillips Petroleum Co. Removal of scale or other entrained solids from fluid to be treated. 3,235,343, 2–15–66, Cl. 23—288.

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Riggs, Emmet D., and C. D. Dransfield, to The Atlantic Refining Co. Method for recording seismic signals. 3,268,861, 8–23–66, Cl. 340—15.5.

Riggs, Emmet D., and C. D. Dransfield, to The Atlantic Refining Co. Automatic switching and transducer control units for seismic weight dropping systems. 3,277,439, 10–4–66, Cl. 340—15.5.

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Riggs, Olen L., Jr., to Continental Oil Co. Process of inhibiting corrosion of ferrous metals. 3,255,121, 6–7–66, Cl. 252—391.

Riggs, Olen L., Jr., to Continental Oil Co. Polyalkylene polyamine derivatives of hydroxybenzoic acid. 3,272,861, 9–13–66, Cl. 260—559.

Riggs, Olen L., Jr., to Continental Oil Co. Acid corrosion inhibiting compositions. 3,277,104, 10–4–66, Cl. 260—294.8.

Riggs, Olen L., Jr., to Continental Oil Co. Process of reacting equimolar amounts of a mono-unsaturated diol, a polyalkylene polyamine, and a monocarboxylic acid and product. 3,282,970, 11–1–66, Cl. 260—404.5.

Riggs, Robert F., to Sperry Rand Corp. Radially intensified PPI collision course detector. 3,267,470, 8–16–66, Cl. 343—11.

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Rightmire, Robert A., to The Standard Oil Co. Electrical energy storage apparatus. 3,288,641, 11–29–66, Cl. 136—6.

Rightmire, Robert A., and P. S. Fay, to The Standard Oil Co. Electrochemical reaction apparatus. 3,275,476, 9–27–66, Cl. 136—86.

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Rigsby, Franklin E. and W. 3,274,965.

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Rigterink, Preston D., to Big Dutchman, Inc. Feed-return apparatus for automatic feeding conveyors. 3,292,586, 12–20–66, Cl. 119—52.

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Rigterink, Raymond H., to The Dow Chemical Co. 7-oxabicyclo-(2.2.1) heptane-2,3-dicarboximido and 7-oxabicyclo (2.2.1) hept-5-ene-2,3-dicarboximido phosphates. 3,228,960, 1–11–66, Cl. 260—326.

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Rigterink, Raymond H., to The Dow Chemical Co. 3,5-dichloro-2,6-dimethyl-4-pyridinol. 3,246,001, 4–12–66, Cl. 260—297.

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Riley, Gilbert N., to Pitney-Bowes, Inc. Imprinting machine with controlled imprinting force. 3,244,096, 4–5–66, Cl. 101—297.

Riley, Harry F., and E. R. Vianney, to United Aircraft Corp. Dual input servo control mechanism. 3,256,780, 6–21–66, Cl. 91—216.

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Riley, Robert H., Jr., and R. F. Koen, to The Black and Decker Mfg. Co. Power driven tools. 3,294,183, 12–27–66, Cl. 173—162.

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Ritter, Sammie F., to Mobil Oil Corp. Automated system for the serial format recording and parallel format transcribing of repetitive seismic signals. 3,281,775, 10–25–66, Cl. 340—15 5.
Ritter, Wilhelm, to Firma Jacob Ritter Kom. Ges. Writing implement. 3,288,114, 11–29–66, Cl. 120—43.03.
Rittmann, Albert D., T. J. Desmond II, and D. E. Lake, to General Motors Corp. Rectifier and process for fabricating same. 3,253,319, 5–31–66, Cl. 29—25.3.
Ritz, Heinrich H. L., and E. R. Elliott, to C. A. Parsons & Co. Ltd. Tubular heat exchange element. 3,260,652, 7–12–66, Cl. 176—81.
Ritz, Hugo H. L., to C. A. Parsons & Co. Ltd. Fuel elements for nuclear reactors. 3,228,853, 1–11–66, Cl. 176—78.
Ritz, Joseph W.: *See*—
Eyer, Charles F., and Ritz. 3,244,926.
Ritz, Joseph W., to The Bendix Corp. High temperature ceramic-metal seal. 3,281,931, 11–1–66, Cl. 29—473.1.
Ritz, Mauritz: *See*—
Bursak, George J. 3,247,045.
Ritzcovan, Stephen. Concealable cosmetic device. 3,245,404, 4–12–66, Cl. 128—76.
Ritzerfeld, Gerhard: *See*—
Ritzerfeld, Wilhelm and G. 3,230,857.
Ritzerfeld, Wilhelm and G. 3,233,538.
Ritzerfeld, Wilhelm and G. 3,238,868.
Ritzerfeld, Wilhelm and G. 3,241,965.
Ritzerfeld, Wilhelm and G. 3,242,854.
Ritzerfeld, Wilhelm and G. 3,245,367.
Ritzerfeld, Wilhelm and G. 3,257,942.
Ritzerfeld, Gerhard. Printing and punching machine. 3,283,701, 11–8–66, Cl. 101—91.
Ritzerfeld, Gerhard. Multiple control arrangement for selective printing machines. 3,283,706, 11–8–66, Cl. 101—32.5.
Ritzerfeld, Wilhelm and G. Copy making machine and copying method. 3,230,857, 1–25–66, Cl. 95—75.
Ritzerfeld, Wilhelm and G. Printing and duplicating machine. 3,233,538, 2–8–66, Cl. 101—145.
Ritzerfeld, Wilhelm and G. Cam controlled rotary printing machine. 3,238,868, 3–8–66, Cl. 101—91.
Ritzerfeld, Wilhelm and G. Method of preparing and using hectographic masters. 3,241,965, 3–22–66, Cl. 96—30.
Ritzerfeld, Wilhelm and G. Program controlled selective printing machine. 3,242,854, 3–29–66, Cl. 101—11.
Ritzerfeld, Wilhelm and G. Printing machine for printing on different kinds of copy sheets. 3,245,367, 4–12–66, Cl. 101—91.
Ritzerfeld, Wilhelm and G. Image reproducing arrangement and method. 3,257,942, 6–28–66, Cl. 101—149.4.
Ritzler, Erich, H. Hailer, and G. Kress, to MAPAL Fabrik fur Praezisionswerkzeuge Dr. Kress KG. Machine reamers with interchangeable cutters. 3,286,557, 11–22–66, Cl. 77—75.5.
Ritzmann, Horst, to Polysius G.m.b.H. Method of and arrangement for making cement clinker. 3,243,172, 3–29–66, Cl. 263—32.
Rival Mfg. Co.: *See*—
McLean, Robert E. Re. 26,074.
McLean, Robert E. 3,253,334.
McLean, Robert E. 3,277,570.
River, Charles, Breeding Laboratories, Inc., The: *See*—
Trexler, Philip C. 3,238,922.
Rivera, Jose I., Jr.: *See*—
Sabin, Robert J., Rivera, and Tatreault. 3,277,476.
Rivers, Charles H.: *See*—
Young, Terence E., Rivers, and Maria. 3,242,648.
Rivers, Jacob B., Jr.: *See*—
Bradshaw, Lawrence R., Jr., and Rivers. 3,280,230.
Rivers, Richard D., to American Air Filter Co., Inc. Electrical gas cleaner. 3,242,649, 3–29–66, Cl. 55—132.
Rivers, Richard D., to American Air Filter Co., Inc. High efficiency unit filter assembly. 3,242,055, 3–29–66, Cl. 55—500.
Rivers, Russell C., to Riley Stoker Corp. Stoker. 3,232,254, 2–1–66, Cl. 110—40.
Rivers, Russell C. Bow sight. 3,234,651, 2–15–66, Cl. 33—46.
Riverside, Inc.: *See*—
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Gorton, Thomas S., Jr. 3,271,814.
Rivet-eze, Inc.: *See*—
Johnson, Albert V., Flisram, and Bridgman. 3,234,634.
Riviera Appliance Corp.: *See*—
Cohen, Lou, and Belinkoff. 3,254,591.
Riviere, Charles. Heparin containing compositions. 3,232,-833, 2–1–66, Cl. 167—58.
Rivierre, Georges, and B. Ramillon, to Societe Anonyme H. Ernault-Somua. Device for centering a cylindrical member. 3,256,754, 6–21–66, Cl. 77—18.
Rivman, Samuel J., to Gulf Oil Corp. Bag closure. 3,256,-941, 6–21–66, Cl. 229—62.
Rix, Albert, and J. Marquardt, to Olympia Werke A.G. Apparatus for equalizing the impacts of types in the lower case and upper case positions. 3,250,366, 5–10–66, Cl. 197—17.
Rix, Paul A. Anti-glare shield for vehicles. 3,254,435, 6–7–66, Cl. 40—129.
Rixe, Frederick H., to Pan American Petroleum Corp. Method of fracturing subsurface formations. 3,266,573, 8–16–66, Cl. 166—42.
Rixon, Brian H. A.: *See*—
Garfield, William L., and Rixon. 3,248,728.
Rizk, Waheeb, to The English Electric Co. Ltd. Turbogenerators. 3,274,395, 9–20–66, Cl. 290—52.
Rizzi, Luis. Combined slaughtering and blood extraction device. 3,292,205, 12–20–66, Cl. 17—1.
Rizzitano, Fortunato J.: *See*—
Greenspan, Jacob, and Rizzitano. 3,266,890.
Rizzo, Joseph L.: *See*—
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Hronas, John J., and Rizzo. 3,276,186.
Rizzone, Michael L.: *See*—
Kuhns, John P., and Rizzone. 3,285,081.
Rizzuti, Carl J.: *See*—
Staffin, Gerald D., Kehoe, and Rizzuti. 3,287,259.
Rizzuti, Carl J., to Esso Research and Engineering Co. Electrical insulating oil. 3,252,887, 5–24–66, Cl. 208—14.
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Rizzuto, Charles. 3,279,754.
Rizzuto, Charles. 3,279,812.
Rizzuto, Charles, to A. Rizzuto. Anti-tip and four-wheel brake mechanism for baby carriages. 3,279,754, 10–18–66, Cl. 254—86.
Rizzuto, Charles to A. Rizzuto. Baby carriage wheel lowering mechanism. 3,279,812, 10–18–66, Cl. 280—5.2.
Rizzuto, Samuel A.: *See*—
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Ro, Rolland S.-Y.: *See*—
Gladding, Edward K., and Ro. 3,291,780.
Roach, Alfred J.: *See*—
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Roach-Appleton Mfg. Co.: *See*—
Briegel, Theodore W., Jr. 3,262,720.
Briegel, Theodore W., and Nelson. 3,262,188.
Roach, Gary F., and E. H. Ward, to The British Petroleum Co. Ltd. Method of logging a borehole logging for chlorine. 3,277,299, 10–4–66, Cl. 250—71.5.
Roach, George H., to Kaiser Aluminum & Chemical Corp. Hot pressing of powdered refractory material. 3,258,514, 6–28–66, Cl. 264—125.
Roach, George H., to Kaiser Aluminum & Chemical Corp. Method of continuously hot pressing powdered refractory material. 3,264,388, 8–2–66, Cl. 264—125.
Roach, Jerome C.: *See*—
Frank, Arne, Roach, and Speich. 3,239,132.
Roach, Jerome C., to The Trane Co. Refrigerant compressor with lubricant cooling. 3,236,062, 2–22–66, Cl. 62—468.
Roach, Robert L., to West Chester Chemical Co., Inc. Sealing underground conduits. 3,238,973, 3–8–66, Cl. 138—97.
Roach, Robert L., to West Chester Chemical Co., Inc. Two-part container for adhesives and the like. 3,261,381, 7–19–66, Cl. 141—114.
Roach, Robert L., to West Chester Chemical Co., a partnership consisting of W. L. Williams, H. A. Bogle, and E. O. Hilbush. Method of sealing vessels and joints thereof. 3,272,894, 9–13–66, Cl. 264—36.
Roach, Stewart W.: *See*—
Harrison, John S. M., Roach, and Claggett. 3,254,924.
Roach, Thomas J., to International Rectifier Corp. Method of forming a semiconductor rim by sandblasting. 3,262,-234, 7–26–66, Cl. 51—320.
Roach, Thomas J., to International Rectifier Corp. Hermetically sealed semiconductor device. 3,268,779, 8–23–66, Cl. 317—234.
Roaldi, Arthur: *See*—
Logan, James S., and Roaldi. 3,260,627.
Logan, James S., and Roaldi. 3,260,628.
Logan, James S., and Roaldi. 3,260,630.
Roan, Jerry R.: *See*—
Flanigan, Eugene E., Guernsey, and Roan. 3,237,404.
Roanwell Corp.: *See*—
Harwood, Mark H. 3,268,784.
Marchand, Gaston A., and Powers. Re. 26,030.
Roark, James J., and H. B. Ferguson, to Jersey Production Research Co. System for analysis of seismic signals. 3,230,-541, 1–18–66, Cl. 346—1.
Roark, James J., and R. T. T. Schweisberger, to Esso Production Research Co. Method of formation lagging and core orientation by measuring the piezo-electric potential produced in response to an elastic pulse introduced into a formation and core. 3,243,695, 3–29–66, Cl. 324—13.
Roark, James J., and H. B. Ferguson, to Esso Production Research Co. System for analysis of seismic signals. 3,243,771, 3–29–66, Cl. 340—15.5.
Roback, Edward L., to Phillips-Eckardt Electronic Corp. Ribbon harness type contact spring assembly for relays. 3,239,-639, 3–8–66, Cl. 200—166.
Robak, Edward. Recording machine with means to automatically disable a selected punch means. 3,277,757, 10–11–66, Cl. 83—240.
Robandt, William F.: *See*—
Severance, Glen R., Cobb, and Robandt. 3,279,223.
Robards, Frederick C. Trapping device. 3,276,159, 10–4–66, Cl. 43—15.
Robb, Edwin F., Jr. Pack dispensing carton. 3,286,830, 11–22–66, Cl. 206—56.
Robb, Ernest W., II: *See*—
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Bayley, Abraham, Robb, and Carpenter. 3,288,146.
Robb, Frank B. Aerial lift construction. 3,258,084, 6–28–66, Cl. 182—13.
Robb, George D., to Federal Engineering Co. Die heel assembly and method of utilizing. 3,268,273, 8–23–66, Cl. 308—3.
Robb, Grant M.: *See*—
Martin, Andrew C., and Robb. 3,286,439.
Robb, John H. Information storage matrices. 3,245,051, 4–5–66, Cl. 340—173.
Robb, Morrison L. Truck elevator. 3,291,261, 12–13–66, Cl. 187—9.
Robb, Vernon R.: *See*—
O'Kane, Gerard J., Robb, Gunlock, and Kinde. 3,266,-122.
Robb, Walter L., to General Electric Co. Method and apparatus for gas separation by thin films or membranes. 3,256,675, 6–21–66, Cl. 55—16.
Robb, Walter L., to General Electric Co. Permeable polymeric membrane gas separation. 3,274,750, 9–27–66, Cl. 55—16.
Robb, Wayne F. Core structure. 3,227,598, 1–4–66, Cl. 161—68.
Robbie, Walter J., to Eaton Paper Corp. Photo display device. 3,270,449, 9–6–66, Cl. 40—102.
Robbins, Albert L., to United Staple Co., Inc. Stapling device. 3,265,278, 8–9–66, Cl. 227—132.
Robbins, Archie L.: *See*—
Kraus, Gerard, and Robbins. 3,257,351.
Robbins & Bendror Associates, Inc.: *See*—
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Robbins, Charles D., to Machlett Laboratories Inc. Light-scanned tube and target therefor. 3,283,159, 11–1–66, Cl. 250—213.
Robbins, Clyde F., to Cutler-Hammer, Inc. Electrical connectors. 3,255,428, 6–7–66, Cl. 339—95.
Robbins, Clyde F., and J. W. Vogel, to Cutler-Hammer, Inc. Electrical indicating device. 3,244,935, 4–5–66, Cl. 315—129.
Robbins, Clyde F., and J. W. Vogel, to Cutler-Hammer, Inc. Switching mechanism. 3,250,883, 5–10–66, Cl. 200—159.
Robbins, Daniel H.: *See*—
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Fairbanks, Henry N., and Robbins. 3,259,451.
Fairbanks, Henry N., and Robbins. 3,283,647.
Fairbanks, Henry N., and Robbins. 3,286,367.
Fairbanks, Henry N., and Robbins. 3,287,013.
Fairbanks, Henry N., and Robbins. 3,292,923.
Robbins, Daniel H., M. H. Craft, and T. M. Madigan, Jr., to Itek Corp. Photographic apparatus. 3,240,115, 3–15–66, Cl. 88—24.
Robbins, Daniel T. Envelope opener and mailing card. 3,261,-539, 7–19–66, Cl. 229—85.
Robbins, Dewey H.: *See*—
Haley, William L., Robbins, Thompson, and Thurlow. 3,279,259.
Robbins, Elmer A., to Tokheim Corp. Currency controlled gasoline dispenser. 3,285,381, 11–15–66, Cl. 194—5.
Robbins, Frederick M., A. G. Bonagura, and R. S. Yare, to General Foods Corp. Process of preparing heat gelable soybean protein. 3,261,822, 7–19–66, Cl. 260—123.5.
Robbins, Howard J.: *See*—
Webb, James E. 3,282,541.
Robbins, J. Wilbur D.: *See*—
Forbis, Fred R., and Robbins. 3,267,606.
Robbins, James: *See*—
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Robbins, James M., to Jim Robbins Seat Belt Co. Seat belt escutcheon. 3,285,659, 11–15–66, Cl. 297—385.
Robbins, James S., and Associates, Inc.: *See*—
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Winberg, Douglas F. 3,247,675.
Robbins, Jim, Seat Belt Co.: *See*—
Robbins, James M. 3,285,659.
Robbins, Keith V., to Ferry-Diamond Engineering Co. Ltd. Rotary pumps. 3,240,154, 3–15–66, Cl. 103—117.
Robbins, Leo, and J. Bendror, to Robbins & Bendror Associates, Inc. Rounding and backing method and apparatus. 3,280,413, 10–25–66, Cl. 11—5.
Robbins, Leroy V., Jr.: *See*—
Porter, Walter J. Jr., Watts, and Robbins. 3,272,873.
Robbins, Max L., and D. W. Brownawell, to Esso Research and Engineering Co. Distillate fuels. 3,279,901, 10–18–66, Cl. 44—66.
Robbins & Myers, Inc.: *See*—
Weed, Herman R. 3,271,648.
Zimmer, George H. 3,280,753.
Robbins, Neal R., to Burroughs Corp. Paper sheet perforator. 3,247,747, 4–26–66, Cl. 83—629.
Robbins, Owen G.: *See*—
Burden, Robert W., and Robbins. 3,260,483.
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Robbins, Richard J., and D. F. Winberg, to James S. Robbins & Associates, Inc. Tunnel-boring rotary head with adjustably mounted gauge cutters. 3,232,670, 2–1–66, Cl. 299—56.
Robbins, Richard J., and D. F. Winberg, to James S. Robbins & Associates, Inc. Head structure for rock drilling machine. 3,237,990, 3–1–66, Cl. 299—56.
Robbins, Robert B. Welding method. 3,253,121, 5–24–66, Cl. 219—137.
Robbins, Samuel B., to General Motors Corp. Transistor ignition system. 3,253,168, 5–24–66, Cl. 310—70.
Robbins, William K., and J. O. Scott, to Esso Research and Engineering Co. Circulating concentrating evaporation for caustic regeneration. 3,228,754, 1–11–66, Cl. 23—276.
Robe, Oscar B.: *See*—
Riley, Arthur W., and Robe. 3,229,274.
Robechaud, Gerald C., to McCulloch Corp. Charge forming device. 3,275,307, 9–27–66, Cl. 261—36.
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Robens, Erich: *See*—
Krupp, Helmar, Robens, Sandstede, and Walter. 3,229,-516.
Roberge, Rowell A. Electronic liquid level indicator. 3,277,-711, 10–11–66, Cl. 73—304.
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Roberson, Cletis L., to Owen-Corning Fiberglas Corp. Apparatus for producing uniform continuous fibers. 3,265,476, 8–9–66, Cl. 65—1.
Roberson, Cletis L., S. A. Canfield, and J. D. Riley, to Owens-Corning Fiberglas Corp. Viscometer for glass furnace. 3,239,325, 3–8–66, Cl. 65—162.
Roberson, Robert E. Hydrostatic driving system for motor vehicle. 3,250,340, 5–10–66, Cl. 180—44.

Roberson, Robert E. Means of teaching a foreign language. 3,271,884, 9–13–66, Cl. 35—35.
Robert, Henri, P. M. M. J. Blanie, and J. Ramis; said Robert assor. to Societe Evor. Pressurized fluid dispenser with a measuring vessel. 3,235,135, 2–15–66, Cl. 222—207.
Robert, Jacques G.: *See*—
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Robert, Jacques G., and L. Liakhoff, to Rhone-Poulenc S.A. Azathioxanthene derivatives. 3,236,854, 2–22–66, Cl. 260—294.8.
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Jolles, Georges, and Robert. 3,254,099.
Robert Mfg. Co.: *See*—
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Robert, Michel, ½ to Ladislas Rado. Apparatus for continuous pneumatic punching. 3,236,130, 2–22–66, Cl. 83—98.
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Roberts, Alfred M.: *See*—
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Roberts, Bruce D. Hydraulic actuator. 3,245,271, 4–12–66, Cl. 74—109.
Roberts, Carleton W., and D. H. Haigh, to The Dow Chemical Co. Polyhalobicyclo-[2.2.1]-hept-5-en-2-yl. benzyl guanidines. 3,238,259, 3–1–66, Cl. 260—564.
Roberts, Carleton W., and D. H. Haigh, to The Dow Chemical Co. 2-[p-halogenated-bicyclo-[2.2.1] - hept - 5 - en - 2 - yl) benzyl]-2-thiopseudourea compounds. 3,283,004, 11–1–66, Cl. 260—564.
Roberts, Carleton W., and D. H. Haigh, to The Dow Chemical Co. 3-(Polyhalobicyclo(2,2,1)-hept-5-en-2 - yl - benzylthio)-alanine. 3,293,287, 12–20–66, Cl. 260—516.
Roberts, Cecil P., and J. C. Runco, to Anchor Hocking Glass Corp. Sealing machine and method. 3,274,748, 9–27–66, Cl. 53—38.
Roberts, Charles G. Stereo sound system. 3,273,662, 9–20–66, Cl. 181—31.
Roberts, Charles L., to Roberts Enterprises, Inc. Reed construction. 3,267,791, 8–23–66, Cl. 84—383.
Roberts, Charles L., R. C. Johnson, and G. Straus, to Reynolds Metals Co. Ceiling construction or the like. 3,248,839, 5–3–66, Cl. 52—484.
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Roberts, David L. Automobile parking attachment. 3,266,587, 8–16–66, Cl. 180—1.
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Roberts, Donald L.: *See*—
Schumacher, Joseph N., and Roberts. 3,251,366.
Roberts, Donald L., to R. J. Reynolds Tobacco Co. Tobacco. 3,280,824, 10–25–66, Cl. 131—17.
Roberts, Donald L., to The Goodyear Tire & Rubber Co. Method of making a white sidewall tire and article produced thereby. 3,285,314, 11–15–66, Cl. 152—353.
Roberts, Edmond, Jr., and J. W. Wachter, to United States of America, Atomic Energy Commission. Method for determining the neutron flux above the U-238 threshold energy level. 3,239,667, 3–8–66, Cl. 250—83.1.
Roberts, Edward H., to General Electric Co. Shelf guard for refrigerator door shelves. 3,227,502, 1–4–66, Cl. 312—214.
Roberts, Edward M.: *See*—
McGrath, William R., and Roberts. 3,284,299.
Roberts, Edward S., and L. J. Christmann. Process for producing selenium dioxide. 3,268,294, 8–23–66, Cl. 23—139.
Roberts, Elliott J., to Dorr-Oliver Inc. Brazing apparatus. 3,236,992, 2–22–66, Cl. 219—8.5.
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Roberts, Charles L. 3,267,791.
Roberts, Fred T. & Co.: *See*—
Roberts, Fred T. and R. E. 3,275,038.
Roberts, Fred T., and R. E. Roberts, to Fred T. Roberts & Co. Reinforced helically corrugated flexible hose. 3,275,038, 9–27–66, Cl. 138—122.
Roberts, Frederick D.: *See*—
Crathern, Charles F. H., III, and Roberts. 3,259,030.
Roberts, Frederick W.: *See*—
Flower, Guiles, Jr., Tufano, and Roberts. 3,240,621.
Roberts, George G., and H. Nakagawa. Flame resistant plastic composition. 3,284,378, 11–8–66, Cl. 260—9.
Roberts, George I., to The Bendix Corp. Method and apparatus for the insertion of insulation tape in slots of a stator or rotor unit for use in an electrical device. 3,254,394, 6–7–66, Cl. 29—155.5.
Roberts, Gilbert C., Jr., and G. G. Via, to International Business Machines Corp. Evaporant source. 3,271,562, 9–6–66, Cl. 219—275.
Roberts, Gordon A., to Mechanical Products, Inc. Circuit breaker. 3,261,949, 7–19–66, Cl. 200—116.
Roberts, Harold: *See*—
Dowley, Arthur, and Roberts. 3,239,964.
Dowley, Arthur, and Roberts. 3,245,130.
Roberts, Harold G.: *See*—
Kamberg, Eduard F., and Roberts. 3,260,518.
Roberts, Ingham S. Yarn winding machine. 3,228,617, 1–11–66, Cl. 242—45.
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Roberts, John M.: *See*—
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Roberts, John W. Continuous tension belt adjusting bracket. 3,274,841, 9–27–66, Cl. 74—242.13.
Roberts, Lawrence G., to Massachusetts Institute of Technology. Pulse code modulation with few amplitude steps. 3,244,808, 4–5–66, Cl. 178—6.
Roberts, Louis W., to Metcom, Inc. GASAR (device for gas) amplification by stimulated emission and radiation). 3,257,620, 6–21–66, Cl. 330—4.
Roberts, Marion L.: *See*—
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Roberts, Martin, and S. M. White, to Don Baxter, Inc. Extractor for peritoneal entry device. 3,261,357, 7–19–66, Cl. 128—348.
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Roberts, Ormond J., and C. W. Underwood, to Bigelow-Sanford, Inc. Portable tufting machine. 3,229,653, 1–18–66, Cl. 112—80.
Roberts, Otis R. H., to Texaco Inc. Apparatus for obtaining bubble-free sample, and method for obtaining same. 3,255,575, 6–14–66, Cl. 55—46.
Roberts, Phillip H., and W. R. Snook, Jr., to The Boeing Co. Aircraft control system. 3,261,573, 7–19–66, Cl. 244—83.
Roberts, Phillip H., and W. R. Snook, Jr., to The Boeing Co. Drive mechanism. 3,263,946, 8–2–66, Cl. 244—75.
Roberts, Ralph R., and D. W. Brooks. Dental lift. 3,252,221, 5–24–66, Cl. 32—40.
Roberts, Rex, to Ames Shovel and Tool Co. Variable base A-frame hoist. 3,249,235, 5–3–66, Cl. 212—8.
Roberts, Richard S.: *See*—
Loftin, Robert J., and Roberts. 3,287,784.
Roberts, Richard W., to Borg-Warner Corp. Accessory drive mechanism. 3,241,320, 3–22–66, Cl. 60—53.
Roberts, Richard W., and R. S. Owens, to General Electric Co. Lubricants containing charge transfer complexes of iodine and aromatic compounds. 3,228,880, 1–11–66, Cl. 252—51.
Roberts, Robert E.: *See*—
Roberts, Fred T. and R. E. 3,275,038.
Roberts, Robert W., and A. L. Anderson, to Continental Oil Co. Catalytic cracking process. 3,280,023, 10–18–66, Cl. 208—85.
Roberts, Roy L., Jr.: *See*—
Bond, Robert W., Markey, Ladd, Roberts, and Keller. Re. 26,064.
Roberts, Roy W., Jr., to Melabs. Ferrite circulator having three mutually coupled coils coupled to the ferrite material. 3,286,201, 11–15–66, Cl. 333—1.1.
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Roberts, Simon. Self-retracting lawn sprinkler nozzle. 3,282,508, 11–1–66, Cl. 239—204.
Roberts, Simon, and J. D. Rankin, Jr. Safety cap for containers. 3,260,393, 7–12–66, Cl. 215—9.
Roberts, Stuart L., ½ to R. J. Huffman. Slug inserter for line-casting machines. 3,262,555, 7–26–66, Cl. 199—61.
Roberts, Walter L., to Superior Cable Corp. Electrical cable with cable core wrap. 3,244,799, 4–5–66, Cl. 174—107.
Roberts, William G., to Phillips Petroleum Co. Method and composition for treating formations penetrated by wells. 3,283,817, 11–8–66, Cl. 166—42.
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Kolodgy, Robert W., and Roberts. 3,266,351.
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Roberts, William L., to United States Steel Corp. Method for detecting defects on surfaces. 3,229,513, 1–18–66, Cl. 73—104.
Roberts, William L., to United States Steel Corp. Method and apparatus for maintaining uniform tensile stress in strip. 3,245,241, 4–12–66, Cl. 72—9.
Roberts, William L., to United States Steel Corp. Method and apparatus for measuring the thickness of an object. 3,250,119, 5–10–66, Cl. 73—67.2.
Roberts, William L., to United States Steel Corp. Apparatus for measuring and controlling the concentration of rolling oil. 3,275,018, 9–27–66, Cl. 137—88.
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Robertson, James A., to E. I. du Pont de Nemours and Co. Green chromium oxide pigment in epoxy resin and phosphatized epoxy resin coatings. 3,262,903, 7–26–66, Cl. 260—37.
Robertson, James A., to E. I. du Pont de Nemours and Co. Reaction product of a vinylidene chloride/vinyl chloride/allyl glycidyl ether terpolymer and orthophosphonic acid and compositions containing same. 3,291,781, 12–13–66, Cl. 260—80.5.
Robertson, James L., to Wren Aircraft Corp. Ultra low speed aircraft. 3,253,809, 5–31–66, Cl. 244—89.
Robertson, James M., to United Kingdom Atomic Energy Authority. Nuclear reactor fuel elements. 3,290,224, 12–6–66, Cl. 176—81.
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Robertson, Jerry E., to Colgate-Palmolive Co. O-arylamino-and-aralkyl-amino-alkylhydroxyl-amines. 3,262,978, 7–26–66, Cl. 260—570.5.
Robertson, Jerry E., to Colgate-Palmolive Co. Derivatives of benzothiadiazine-1,1-dioxides. 3,287,361, 11–22–66, Cl. 260—243.
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Robertson, Robert L. Aircraft. 3,284,028, 11–8–66, Cl. 244—15.

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Robin, Jean-Baptiste, and J. E. Rampin, to Societe Rhodiaceta. Process for dyeing materials based on polyamides and compositions therefor. 3,232,695, 2–1–66, Cl. 8—55.

Robin, Norman, and H. A. Wheeler, to Hazeltine Research, Inc. Antenna beam stabilizer. 3,277,481, 10–4–66, Cl. 343—100.

Robinett, Max J., to Westinghouse Electric Corp. Controlled differential auxiliary commutator winding. 3,263,147, 7–26–66, Cl. 318—353.

Robinette, Carl W., and D. K. Gowland. Electric trackway for toy vehicles. 3,228,607, 1–11–66, Cl. 238—10.

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Robins, Samuel D., to Litton Industries, Inc. Vibratory screen systems. 3,226,989, 1–4–66, Cl. 74—87.

Robins, Samuel D., to Litton Industries, Inc. Belt training apparatus. 3,278,002, 10–11–66, Cl. 198—202.

Robins, Seymour. Smoke cooling cigar and tip assembly. 3,236,243, 2–22–66, Cl. 131—9.

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Robinsky, Eli I. Continuously extensible and roll-up structure. 3,258,800, 7–5–66, Cl. 14—27.

Robinson, Alfred A.: *See*—
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Robinson, Alfred A., to The English Electric Co. Ltd. Concentric helical coils with electrically connected crossover points. 3,274,527, 9–20–66, Cl. 336—69.

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Robinson, Anderson E., to Hercules Inc. Modified vinyl chloride polymers. 3,261,785, 7–19–66, Cl. 260—2.5.

Robinson, Anderson E., to Hercules Inc. Alkylene oxide elastomers with aromatic hydrocarbon extenders. 3,262,902, 7–26–66, Cl. 260—33.6.

Robinson, Anderson E., to Hercules Inc. Convulcanizable polyether and sulfur-curable rubber laminate. 3,235,804, 11–15–66, Cl. 161—239.

Robinson, Anderson E., to Hercules Inc. Cross-linking of atactic polypropylene and atactic copolymers of propylene. 3,294,869, 12–27–66, Cl. 260—878.

Robinson, Art I. Tension regulator. 3,289,967, 12–6–66, Cl. 242—75.43.

Robinson, Arthur S., D. H. Blauvelt, and W. W. Lee, to The Bendix Corp. Encoder. 3,255,338, 6–7–66, Cl. 235—61.6.

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Robinson, Cecil H., and L. E. Finckenor, to Schering Corp. Estratriene hydrazone derivatives and methods for their manufacture. 3,257,423, 6–21–66, Cl. 260—397.5.

Robinson, Cecil H., and L. E. Finckenor, to Schering Corp. Androstane hydrazone derivatives and methods for their manufacture. 3,264,331, 8–2–66, Cl. 260—397.5.

Robinson, Cecil S., to Robinson Technical Products, Inc. Shock and vibration isolating support. 3,250,502, 5–10–66, Cl. 248—8.

Robinson, Cecil S., to Robinson Technical Products, Inc. Shock absorber for pumps. 3,288,455, 11–29–66, Cl. 267—1.

Robinson, Charles F., and J. H. Jacobs, to Bell & Howell Co. Rapid photographic developing. 3,230,089, 1–18–66, Cl. 96—48.

Robinson, Charles G., to Northwestern Steel & Wire Co. Method and means for melting metal and increasing the life of the refractory lining of a melting vessel. 3,264,094, 8–2–66, Cl. 75—11.

Robinson, Charles G., and P. W. Dillon, to Northwestern Steel & Wire Co. Apparatus for melting meltable materials. 3,244,412, 4–5–66, Cl. 263—40.

Robinson, Charles L. Method for heating minerals in situ with radiactive materials. 3,246,695, 4–19–66, Cl. 166—25.

Robinson, Clarence P. Conveyor lock-bar-trolley. 3,283,914, 11–8–66, Cl. 211—123.

Robinson, Courtland N.: *See*—
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Neighorn, Roy G., Pomeroy, and Robinson. 3,283,983.

Robinson, Danforth R. Anatomical dressing. 3,274,999, 9–27–66, Cl. 128—156.

Robinson, David. Camera accessory. 3,263,588, 8–2–66, Cl. 95—86.

Robinson, David E.: *See*—
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Robinson, David E., to Time, Inc. Dual wire type paper-forming apparatus and methods of forming and dewatering paper. 3,232,825, 2–1–66, Cl. 162—203.

Robinson, David E., and J. Moran, to Time Inc. Offset grating assemblies for dewatering a paper web. 3,240,665, 3–15–66, Cl. 162—303.

Robinson, Donald J., to Esso Production Research Co. Method and apparatus for detecting and displaying the difference between successive peak values of a seismic signal. 3,268,857, 8–23–66, Cl. 340—15.5.

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Robinson, Donald W., Jr., to Kaman Aircraft Corp. Inflatable sponsons for stabilizing and supporting vehicles on water. 3,240,449, 3–15–66, Cl. 244—105.

Robinson, E. S. & A. (Holdings) Ltd.: *See*—
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Robinson, Edward L.: *See*—
Shimwell, Rodney H., and Robinson. 3,260,917.

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Clemence, Charles R., Brown, Barnes, and Robinson. 3,286,265.
Humphries, John, and Robinson. 3,239,825.

Robinson, Ernest B.: *See*—
Glasby, Francis G., and Robinson. 3,264,956.

Robinson, Frederick G. Tamper-proof caps for containers. 3,273,525, 9–20–66, Cl. 113—121.

Robinson, Gene C., to Ethyl Corp. Preparation of benzofurans by reaction of phenols and 1,1-dihalo cyclo propanes. 3,230,237, 1–18–66, Cl. 260—346.2.

Robinson, Gene C., to Ethyl Corp. Thermally stable carbodiimide polymers. 3,254,036, 5–31–66, Cl. 260—2.

Robinson, Gene C., to Ethyl Corp. Production of indoles. 3,255,205, 6–7–66, Cl. 260—319.

Robinson, Gene C., to Ethyl Corp. Production of dihalocarbene adducts. 3,265,743, 8–9–66, Cl. 260—648.

Robinson, Gene C., to Ethyl Corp. Production of dihalocarbene adducts. 3,265,744, 8–9–66, Cl. 260—648.

Robinson, Gene H.: *See*—
Jarvis, James G., and Robinson. 3,233,156.

Robinson, Gene H., to Eastman Kodak Co. Process for producing an electrostatic charge image. 3,271,145, 9–6–66, Cl. 96—1.

Robinson, Gene H., to Eastman Kodak Co. Xeroprinting with photoconductors exhibiting charge-storage asymmetry. 3,271,146, 9–6–66, Cl. 96—1.4.

Robinson, George H., and E. R. Mantel, to General Motors Corp. Method of making a valve lifter. 3,255,513, 6–14–66, Cl. 29—156.7.

Robinson, George M.: *See*—
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Robinson, Gerald, and J. Kronfeld, to Johnson & Johnson. Biaxially oriented polypropylene tape backing. 3,241,662, 3–22–66, Cl. 206—59.

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Yuda, Hyman, and Robinson. 3,260,429.

Robinson, Gordon S.: *See*—
Thatcher, Harry W., and Robinson. 3,227,189.

Robinson-Halpern Co.: *See*—
Barrows, Martin R., Kaplan, and Pegram. 3,286,523.
Chass, Jacob. 3,230,777.

Robinson, Harold, deceased (by N. E. Robinson, administratrix), to Thiokol Chemical Corp. Method of making a sheet metal thrust chamber. 3,249,989, 5–10–66, Cl. 29—157.

Robinson, Harold B., and D. J. Valley, to Union Carbide Corp. Capacitor with a polyarylene polyether dielectric. 3,264,536, 8–2–66, Cl. 317—258.

Robinson, Harold G., to Austin Concrete Works, Inc. Concrete molding apparatus with alignment means. 3,281,910, 11–1–66, Cl. 25—36.

Robinson, Harold W., to Engelhard Industries, Inc. Immersion plating with noble metals. 3,230,089, 1–18–66, Cl. 106—1.

Robinson, Harris A., to United States of America, Navy. Frequency synthesizer. 3,249,887, 5–3–66, Cl. 331—38.

Robinson, Harry G.: *See*—
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Robinson, Herbert T., to Eastman Kodak Co. Slide tray for a slide projector. 3,276,156, 10–4–66, Cl. 40—79.

Robinson, Herbert T., to Eastman Kodak Co. Automatic slide projector. 3,276,314, 10–4–66, Cl. 88—27.

Robinson, Herbert T., and M. Di Pietro, to Eastman Kodak Co. Slide tray indexing mechanism and control therefor. 3,236,113, 2–22–66, Cl. 74—125.5.

Robinson, Horace M., to Space Ships Inc. Modulator for variable speed motor. 3,247,432, 4–19–66, Cl. 318—138.

Robinson, Horace M., to Space Ships, Inc. Variable frequency powder supply for dynamoelectric machines. 3,287,617, 11–22–66, Cl. 318—138.

Robinson, J. C.: *See*—
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Dedmon, George D., Robinson, and Charles. 3,251,327.

Robinson, James C.: *See*—
Cox, Clifford B., and Valdespino. 3,288,100.

Robinson, James C., Jr. Duplicate bridge-scoring device. 3,280,788, 10–25–66, Cl. 116—120.

Robinson, James W., to Esso Research and Engineering Co. Carbonylation of olefin-polyolefin mixtures. 3,284,510, 11–8–66, Cl. 260—604.

Robinson, John H.: *See*—
Fornes, Gaston G., and Robinson. 3,241,196.

Robinson, John L., to The Dow Chemical Co. Magnesium primary battery having aqueous carboxylic acid salt-inorganic perchlorate salt electrolyte. 3,258,367, 6–28–66, Cl. 136—100.

Robinson, John L., and P. F. King, to The Dow Chemical Co. Organic electrolyte for magnesium primary cells. 3,258,368, 6–28–66, Cl. 136—100.

Robinson, Joseph N.: *See*—
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Robinson, La Roy E., and C. E. Cleland, to Continental Machines, Inc. Surface grinder. 3,281,994, 11–1–66, Cl. 51—92.

Robinson, Lafayette A. Dispensing carton. 3,231,170, 1–25–66, Cl. 229—20.

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Robinson, Leon H., Jr., and R. H. Friedman, to Esso Production Research Co. Apparatus for explosive charge drilling. 3,274,933, 9–27–66, Cl. 102—21.6.

Robinson, Leonard L., and J. A. Trevett, to Textron Electronics, Inc. Underwater sound source. 3,267,421, 8–16–66, Cl. 340—12.

Robinson, Leslie E.: *See*—
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Robinson, Lester E., G. K. Bradfield, Jr., and J. A. Johnson, ⅔ to ACF Industries, Inc. and ⅓ to The Rail Trailer Co. Collapsible trailer support and anchor. 3,235,211, 2–15–66, Cl. 248—119.

Robinson, Lorin B.: *See*—
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Robinson, Manford J.: *See*—
Grass, George M., Jr., and Robinson. 3,237,596.

Robinson, Marshall M.: *See*—
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Robinson, Morris D., D. C. Jordan, C. A. Pettit, and W. F. Brannan. Tail gate lift with cam controlled stowing action. 3,251,488, 5–17–66, Cl. 214—77.

Robinson, Morton: *See*—
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Collura, Peter C., Hurley, and Robinson. 3,263,899.

Robinson, Myron L., to International Telephone and Telegraph Corp. Oxidant sensor. 3,236,759, 2–22–66, Cl. 204—195.

Robinson, Myron L., to International Telephone and Telegraph Corp. Automatic titration apparatus and method. 3,248,309, 4–26–66, Cl. 204—1.

Robinson, Myron L., and D. C. Hill. Method for coupling a plastic pipe to a metal pipe. 3,287,802, 11–29–66, Cl. 29—508.

Robinson, Nan E.: *See*—
Robinson, Harold. 3,249,989.

Robinson, Norman, to Fisons Fertilizers Ltd. Chemical process for the production of phosphoric acid. 3,231,331, 1–25–66, Cl. 23—165.

Robinson, Norman F., to Douglas Aircraft Co., Inc. Liquid inspection system and apparatus. 3,267,723, 8–23–66, Cl. 73—61.

Robinson, Norman R.: *See*—
Diver, Bernard, Robinson, and Wilkinson. 3,243,243.
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Robinson, Paul E., and R. W. Shrewsbury, to Minnesota Mining and Mfg. Co. Heading tool. 3,284,847, 11–15–66, Cl. 18—1.

Robinson, Preston, to Sprague Electric Co. Electrolytic capacitor. 3,231,792, 1–25–66, Cl. 317—230.

Robinson, Preston, to Sprague Electric Co. Electrical resistor and the like. 3,293,587, 12–20–66, Cl. 338—260.

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Robinson, Richard D., J. E. Belt, and R. A. Bremmer, to General Electric Co. Magnetic storage device. 3,251,044, 5–10–66, Cl. 340—174.

Robinson, Richard L., and N. Van Le, to The Garrett Corp. Cryogenic closed cycle power system. 3,232,050, 2–1–66, Cl. 60—36.

Robinson, Robert, and G. I. Fray, to Shell Oil Co. Chlorocyclohexane carbonitriles. 3,236,874, 2–22–66, Cl. 260—464.

Robinson, Robert C., to Westinghouse Electric Corp. Rotor for a dynamoelectric machine. 3,260,874, 7–12–66, Cl. 310—64.

Robinson, Robert E., and G. S. Mill, to Shell Oil Co. Hydrogen iodide production. 3,278,264, 10–11–66, Cl. 23—152.

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Robinson, Samuel C., to Robinson-Nugent, Inc. Base assembly for transistors and the like. 3,292,135, 12–13–66, Cl. 339—196.

Robinson, Samuel W., Jr., and G. K. Williams, to Lockheed Aircraft Corp. Multiple orifice oleo-pneumatic shock/strut. 3,290,037, 12–6–66, Cl. 267—64.

Robinson, Sirman. Dispenser for rolled pliable material. 3,249,273, 5–3–66, Cl. 225—16.

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Robinson, Wendell W., and W. Schmid, to Stewart-Warner Corp. Flexible shaft casing. 3,242,691, 3–29–66, Cl. 64—3.

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Robinson, William, and T. Coy, to Sperry Rand Corp. Auger assembly fixture. 3,258,836, 7–5–66, Cl. 29—234.

Robinson, William A., and J. E. Huston, to Basic Products Corp. Control circuit. 3,283,127, 11–1–66, Cl. 219—486.

Robinson, William A., Jr., and A. G. Pokrant, to Westinghouse Air Brake Co. Railway car counter. 3,274,384, 9–20–66, Cl. 246—247.

Robinson, William H. Closure. 3,257,022, 6–21–66, Cl. 215—46.

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Robinson, William M., to Cornell-Dubilier Electric Corp. Method of manufacturing capacitors. 3,265,794, 8–9–66, Cl. 264—249.

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Robitschek, Paul, to Hooker Chemical Corp. Weather resistant halogen-containing polyester resins comprising 2,4-dihydroxy-benzophenone. 3,249,565, 5–3–66, Cl. 260—22.
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Roblee, Leland H. S., Jr., and C. W. Foust, to Esso Research and Engineering Co. Method of operating a fuel cell containing a sulfuric nitric acid electrolyte. 3,261,716, 7–19–66, Cl. 136—86.
Robley, Spencer H., to Gunther and Shirley Co. Method of submarine pipe laying. 3,267,682, 8–23–66, Cl. 61—72.3.
Robook, Nicolay N., V. N. Roodenko, L. N. Petrov, S. F. Boodnikov, and O. S. Babanov. Adjustable blades hydraulic turbine runner. 3,247,908, 4–26–66, Cl. 170—160.32.
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Robson, John H. Mobile training device for skaters. 3,235,254. 2–15–66. Cl. 272—70.3.
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Roby, Albert, Sr., deceased, by J. M. Schlesinger, executor; said A. Roby, Sr. assor. to L. Roby. Automatic device for triggering mechanisms. Re. 25,983, 3–22–66, Cl. 74—2.
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Rocher, Pierre M., and C. G. Thomas, to Lentilles Ophtalmiques Rationnelles. Instruments for checking corneal lenses. 3,274,885, 9–27–66, Cl. 88—56.
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Rockholt, John T. Tufting machine. 3,259,089, 7–5–66, Cl. 112—79.
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Rocks, Eugene S., to Sperry Rand Corp. Gyroscopic apparatus. 3,260,122, 7–12–66, Cl. 74—5.4.
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Roe, Charles C., deceased (by H. H. Stilley, administrator), ½ to H. Stilley, ⅛ to E. Roe, and 1/15 each to L. Jones, D. Wilsock, D. Roe, B. L. Butler, and F. Lipps. A.C. motor control system. 3,280,928, 10–25–66, Cl. 180—6.5.

Roe, Charles C., deceased, by H. H. Stilley, administrator, to Warner Electric Brake & Clutch Co. Induction motor control with plural wound rotors which are axially relatively movable for torque control. 3,290,574, 12–6–66, Cl. 318—214.

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Roemer, Erich. Method and apparatus for making antifriction bearings with locking cams. 3,274,815, 9–27–66, Cl. 72—152.

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Rogers, Dilworth T., and J. C. Munday, to Esso Research and Engineering Co. Process for manufacturing prehardened asphalt solid compositions. 3,281,256, 10–25–66, Cl. 106—281.

Rogers, Dilworth T., and J. C. Munday, to Esso Research and Engineering Co. Process for preparing structural element from soil and binder. 3,287,146, 11–22–66, Cl. 106—281.

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Rogers, Francis R., H. L. McCombs, Jr., and M. Snider, to The Bendix Corp. Coordinated main and afterburner fuel controls for gas turbine engines. 3,293,847, 12–27–66, Cl. 60—39.28.

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Rolland, Robert C. Frame structure having improved joint means. 3,268,252, 8–23–66, Cl. 287—56.
Rollason, Dennis W., to Girling Ltd. Booster for booster-assisted actuating systems. 3,242,676, 3–29–66, Cl. 60—54.5.
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Roller, Frank W., Sr., to The Esterbrook Pen Co. Cosmetic dispenser. 3,246,657, 4–19–66, Cl. 132—79.
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Roller, Siegfried, and G. Idler, to C. Eugen Maier Metallverarbeitung. Firma. Thread holding device for use on spinning machines. 3,266,231, 8–16–66, Cl. 57—53.
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Rooney, George F., Jr. Machine for distributing particulate material. 3,270,923, 9–6–66, Cl. 222—193.

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Roosa, Vernon D. Fuel injection pump. 3,247,805, 4–26–66, Cl. 103—161.

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Roosa, Vernon D. Electromagnetic pulsing device. 3,253,-101, 5–24–66, Cl. 200—87.

Roosa, Vernon D. Fuel injection nozzle. 3,255,974, 6–14–66, Cl. 239—533.

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Root, Lloyd W., Jr., to United States of America, Army. Mechanical stub tuner. 3,238,478, 3–1–66, Cl. 333—98.

Root, Raymond C., to Dale Electronics, Inc. Panel mounting means for trimmer potentiometers and the like. 3,235,208, 2–15–66, Cl. 248—27.

Root, Raymond C., and M. D. Werkmeister, to Richleu Corp. Heat dissipator apparatus for a transistor. 3,229,757, 1–18–66, Cl. 165—80.

Root, Roland L., to The Dow Chemical Co. Method for decreasing friction loss in a well fracturing process. 3,254,719, 6–7–66, Cl. 166—42.

Root, William L., 3rd, to The Bethlehem Corp. Rotary batch processor. 3,250,321, 5–10–66, Cl. 165—94.

Root, William L., 3rd, to The Bethlehem Corp. Rotary processor. 3,285,330, 11–15–66, Cl. 165—86.

Roozee, James B., to Vandercook & Sons, Inc. Ink monitoring system for printing presses. 3,289,581, 12–6–66, Cl. 101—269.

Roper, Daniel W., to Eaton Mfg. Co. Shear type fluid coupling. 3,236,346, 2–22–66, Cl. 192—58.

Roper, Daniel W., to Eaton Mfg. Co. Rotatable coupling. 3,250,220, 7–5–66, Cl. 192—58.

Roper, Daniel W., to Eaton Yale & Towne, Inc. Viscous drive. 3,268,041, 8–23–66, Cl. 192—58.

Roper, Edward C.: *See*—
Fueslein, John R., Rader, and Roper. 3,274,747.

Roper Industries, Inc.: *See*—
Mosbacher, Bruce H. 3,242,867.
Mosbacher, Bruce H. 3,267,862.
Mosbacher, Bruce H. 3,272,130.

Roper, Max E. Tip for insertion tool. 3,279,044, 10–18–66, Cl. 29—206.

Roper, Ralph E., to Wallace Expanding Machines, Inc. Method and apparatus for forming sheet members. 3,241,-348, 3–22–66, Cl. 72—324.

Roper, Ralph E., to Wallace Expanding Machines, Inc. Apparatus for forming metallic sheet members. 3,254,521, 6–7–66, Cl. 72—324.

Roper, Ralph E., to Wallace Expanding Machines, Inc. Apparatus for forming metallic ring members. 3,263,477, 8–2–66, Cl. 72—401.

Roper, Ralph E., to Wallace Expanding Machine, Inc. Method and apparatus for forming sheet metal corner members. 3,264,730, 8–9–66, Cl. 29—475.

Roper, Ralph E., to Wallace Expanding Machine, Inc. Apparatus for making tubular members. 3,285,490, 11–15–66, Cl. 228—15.

Roper, Ralph E., to Wallace Expanding Machines, Inc. Apparatus for forming metallic sheet members. 3,286,570, 11–22–66, Cl. 83—184.

Roper, Raymond W., to Sundstrand Corp. Oil burner pump unit with air purging means. 3,273,513, 9–20–66, Cl. 103—203.

Roper, Robert: *See*—
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Dawalt, Winfield, and Wright. 3,267,653.
Moore, Beverly L. 3,286,448.

Ropp, Richard C., to Sylvania Electric Products Inc. Orthophosphate phosphor compositions. 3,278,450, 10–11–66, Cl. 252—301.6.

Roppel, Clarence L. Control apparatus for vertical take-off aircraft. 3,259,343, 7–5–66, Cl. 244—53.

Roque V., Alfredo. Tire. 3,238,988, 3–8–66, Cl. 152—156.

Roques, Rodney A., to Texas Instruments Inc. Resistor. 3,292,130, 12–13–66, Cl. 338—308.

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Mandoli, Harry A., and Rorden. 3,267,377.

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Rork, Elwood C., to Precision Forge Co. High energy rate forging method. 3,258,834, 7–5–66, Cl. 29—159.2.

Rosa, Anthony G. Ballpoint-pin tips and method of making same. 3,242,906, 3–29–66, Cl. 120—42.4.

Rosa, John, to Westinghouse Electric Corp. Dynamo-electric machine control apparatus employing pulses. 3,284,-689, 11–8–66, Cl. 318—341.

Rosa, John R., to Aerojet-General Corp. Modular chassis. 3,265,935, 8–9–66, Cl. 317—101.

Rosaen, Borge, to The Rosaen Filter Co. Magnetized gasket assembly. 3,240,341, 3–15–66, Cl. 210—222.

Rosaen, Borje O., to The Rosaen Filter Co. Mobile filter with contaminant collecting means. 3,288,289, 11–29–66, Cl. 210—90.

Rosaen, Borje O., to The Rosaen Filter Co. Bayonet filter device. 3,288,291, 11–29–66, Cl. 210—90.

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Rosaen, Borje O. 3,288,291.
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Rosaen, Nils O. 3,244,282.
Rosaen, Nils O. 3,273,715.
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Rosaen, Nils O. 3,278,030.
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Rosaen, Nils O. 3,291,307.
Rosaen, Nils O. 3,291,314.
Rosaen, Oscar E. 3,232,432.
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Rosaen, Nils O. Cartridge valves. 3,227,179, 1–4–66, Cl. 137—625.61.

Rosaen, Nils O., to The Rosaen Filter Co. Flow control fitting. 3,229,816, 1–18–66, Cl. 210—130.

Rosaen, Nils O. Self indicating relief valve. 3,230,971, 1–25–66, Cl. 137—556.3.

Rosaen, Nils O., to The Rosaen Filter Co. Removable filter assembly. 3,239,062, 3–8–66, Cl. 210—90.

Rosaen, Nils O., to The Rosaen Filter Co. Fluid filter devices. 3,244,282, 4–5–66, Cl. 210—90.

Rosaen, Nils O. Constant delivery pump. 3,254,606, 6–7–66, Cl. 103—136.

Rosaen, Nils O. Multiple filter devices. 3,269,540, 8–30–66, Cl. 210—132.

Rosaen, Nils O., to The Rosaen Filter Co. Fluid filters. 3,273,715, 9–20–66, Cl. 210—90.

Rosaen, Nils O., to The Rosaen Filter Co. Indicating means for fluid filters. 3,276,586, 10–4–66, Cl. 210—90.

Rosaen, Nils O., to The Rosaen Filter Co. Supercharged filter unit. 3,278,030, 10–11–66, Cl. 210—65.

Rosaen, Nils O., to The Rosaen Filter Co. Self-cleaning filter device. 3,278,031, 10–11–66, Cl. 210—106.

Rosaen, Nils O., to Norco Products Inc. Flow indicators. 3,282,102, 11–1–66, Cl. 73—228.

Rosaen, Nils O., to The Rosaen Filter Co. Multiple filter devices. 3,282,428, 11–1–66, Cl. 210—123.

Rosaen, Nils O. Cartridge valves. 3,283,779, 11–8–66, Cl. 137—596.14.

Rosaen, Nils O., to The Rosaen Filter Co. Removable tubular filter and baffle construction. 3,291,307, 12–13–66, Cl. 210—90.

Rosaen, Nils O., to The Rosaen Filter Co. Baffled cartridge assembly. 3,291,314, 12–13–66, Cl. 210—456.

Rosaen, Oscar E., to The Rosaen Filter Co. Filter device. 3,232,432, 2–1–66, Cl. 210—90.

Rosaen, Oscar E. Pumps. 3,272,139, 9–13–66, Cl. 103—120.

Rosaen, Oscar E., to The Rosaen Filter Co. Filter device. 3,288,290, 11–29–66, Cl. 210—90.

Rosaen, Oscar E. and N. O., to The Rosaen Filter Co. Oil filters. 3,294,238, 12–27–66, Cl. 210—90.

Rosain, Claude, and G. Stcherbatcheff. Hypocyclic speed reducers. 3,286,550, 11–22–66, Cl. 74—798.

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Rosán, José. 3,230,994.
Rosán, José. 3,259,161.
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Rosán, José, and Weber. 3,241,591.

Rosán, José, to Rosan Engineering Corp. Insert having an expandable split locking collar and method of using same. 3,230,994, 1–25–66, Cl. 151—41.72.

Rosán, José, to Rosan Engineering Corp. Fastener with captive locking ring. 3,259,161, 7–5–66, Cl. 151—41.73.

Rosán, José, to Rosan Engineering Corp. Insert with frictionally interlocked locking ring. 3,259,162, 7–5–66, Cl. 151—41.73.

Rosan, Jose, to Rosan Engineering Corp. Tool for locking threaded inserts in threaded bores. 3,272,034, 9–13–66, Cl. 81—3.

Rosan, Jose, to Rosan Engineering Corp. Insert with angular flange lock. 3,280,874, 10–25–66, Cl. 151—41.72.

Rosan, Jose, to Rosan Engineering Corp. Insert having an integral locking collar. 3,281,173, 10–25–66, Cl. 287—189.36.

Rosán, José, and R. D. Weber, to Rosan Engineering Corp. Dome fastener with floating nut. 3,241,591, 3–22–66, Cl. 151—41.7.

Rosán, José, and A. J. La Torre, to Rosan Engineering Corp. Floating thin wall insert. 3,247,878, 4–26–66, Cl. 151—41.73.

Rosán, José, and M. P. Reece, to Rosan Engineering Corp. Fastener with snap-on captive locking ring. 3,259,163, 7–5–66, Cl. 151—41.73.

Rosanowski, Oswald J., and H. Hanigck. Spot type disc brake. 3,291,262, 12–13–66, Cl. 188—73.

Rosasco, Nat, Sr. Golf club handgrip. 3,252,706, 5–24–66, Cl. 273—81.4.

Rosato, Dennis, and K. Shartzer, to Triangle Conduit & Cable Co., Inc. Apparatus and method for filling a void with a resinous foam. 3,293,337, 12–20–66, Cl. 264—45.

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Rosback, Richard H., and C. N. French, to The Bendix Corp. Check valve. 3,228,418, 1–11–66, Cl. 137—516.17.

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Rosbrook, Gifford F., to General Motors Corp. Means to prevent gumming and sticking of automatic choke mechanism. 3,285,279, 11–15–66, Cl. 137—483.
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Rose, Albert, to Radio Corp. of America. Solid state devices utilizing a metal between two semiconductor materials. 3,250,966, 5–10–66, Cl. 317—235.
Rose, Albert, to Radio Corp. of America. Solid state triode. 3,250,967, 5–10–66, Cl. 317—235.
Rose, Augustus D., to Standard Screw Co. Drive pin. 3,240,-100, 3–15–66, Cl. 85—19.
Rose, Bernard R., to Dyna Mfg. Co. Combination fireplace and heater. 3,277,882, 10–11–66, Cl. 126—127.
Rose, Boyd W., and H. J. Mumma, to FMC Corp. Machine for handling eggs. 3,252,607, 5–24–66, Cl. 214—309.
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Rose, Carl G., and J. C. Andersen, to The Carborundum Co. Refractory carbide bodies and method of making them. 3,252,827, 5–24–66, Cl. 117—201.
Rose, Charles F., to Radio Corp. of America. Self-aligning bearing assembly. 3,239,287, 3–8–66, Cl. 308—72.
Rose, Chester W. Drawing instrument. 3,235,969, 2–22–66, Cl. 33—174.
Rose, David, and K. J. Hanitzsch, deceased, by I. A. Hanitzsch, legal representative, to General Dynamics Corp. Nuclear reactor power conversion system. 3,244,598, 4–5–66, Cl. 176—60.
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Rose, Donald, ½ to R. D. Baker. Water treating apparatus and system with time and automatic brine refill control. Re. 25,979, 3–8–66, Cl. 210—35.
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Muehe, Ludwig, and Rose. 3,249,374.
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Rose, George D., Jr., and A. C. Latker, to General Electric Co. Noise balanced AFC system. 3,281,698, 10–25–66, Cl. 325—420.
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Rose, Herbert A., to Westinghouse Electric Corp. Electrical apparatus. 3,290,510, 12–6–66, Cl. 307—17.
Rose, Ira M., J. Z. Ginos, and W. R. Christian, to Nopco Chemical Co. Amphoteric alpha-sulfo fatty amides and a method of producing them. 3,258,474, 6–28–66, Cl. 260—401.
Rose, James, to Raytheon Co. High voltage electrical connector. 3,277,423, 10–4–66, Cl. 339—91.
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Rose, John B., to Imperial Chemical Industries Ltd. Polymerisation of olefines containing the vinyl group. 3,231,549, 1–25–66, Cl. 260—88.2.
Rose, John J. Ultraviolet light responsive flame modulating control. 3,262,486, 7–26–66, Cl. 158—28.
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Rose, Samuel W., and F. E. Bullard, to Motorola, Inc. Method of examining X-rays. 3,283,071, 11–1–66, Cl. 178—6.8.
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Rose, Thomas A. to Trak Microwave Corp. Microwave oscillator. 3,287,661, 11–22–66, Cl. 331—98.
Rose, Vincent S., to United States of America, Navy. Microwave crystal detector with self-contained co-axial mounts of diameter smaller than that of diode shell. 3,238,427, 3–1–66, Cl. 317—230.
Rose, William B., and L. B. Spector, 20% to A. L. Jacobs. Carbohydrate esters of salicylic acid, their production and administration. 3,279,990, 10–18–66, Cl. 167—65.
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Rose, Willis E., to Dresser Industries, Inc. Braking device for rotary positive displacement gas meter in a pilot-lighted gas burning system. 3,288,197, 11–29–66, Cl. 158—115.
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Rosebrock, Theodore L., to General Motors Corp. Magnetoplasmadynamics. 3,279,320, 10–18–66, Cl. 89—8.
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Rosen, Frank, and E. E. Sutton, to Dominion Electric Corp. Holder for battery-operated driving unit. 3,293,528, 12–20–66, Cl. 320—2.
Rosen, Fred D., to North American Aviation, Inc. Electrically operated shutter. 3,252,318, 5–24–66, Cl. 73—12.
Rosen, George, and W. D. Heimer, to Thiokol Chemical Corp. Vulcanizing agent prepared from sulfur, linseed oil and dicyclopentadiene. 3,264,239, 8–2–66, Cl. 260—23.7.
Rosen, Harold A., and D. D. Williams, to Hughes Aircraft Co. Changing the orientation and velocity of a spinning body traversing a path. 3,294,344, 12–27–66, Cl. 244—1.
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Rosen, Irving, and G. H. McCain, to Diamond Alkali Co. Polychloroaldehydes and process of preparing same. 3,278,490, 10–11–66, Cl. 260—67.
Rosen, Jerry: *See*—
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Rosen, Karl I. J. Device for feeding yarn to multifeed circular knitting machines. 3,264,845, 8–9–66, Cl. 66—132.
Rosen, Leonard B. Pressure sensitive tape. 3,247,956, 4–26–66, Cl. 206—59.
Rosen, Leonard B. Thread dispenser with rewind means. 3,259,335, 7–5–66, Cl. 242—129.1.

Rosen, Leonard B. Protective container for spools of thread. 3,278,136, 10–11–66, Cl. 242—138.
Rosen, Leonard B. Amusement device with toppling playing pieces. 3,283,439, 11–8–66, Cl. 46—1.
Rosen, Leonard B. Amusement device with toppling playing pieces. 3,283,440, 11–8–66, Cl. 46—1.
Rosen, Leonard B. Container for reels of elongated material. 3,283,887, 11–8–66, Cl. 206—52.
Rosen, Leonard B. Container for spools of shock-sensitive elongated material. 3,283,892, 11–8–66, Cl. 206—65.
Rosen, Philip J., to United States of America, Army. Gun pressure measuring device. 3,260,107, 7–12–66, Cl. 73—167.
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Rosen, Sidney. Container filling system. 3,237,661, 3–1–66, Cl. 141—180.
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Rosenberg, Abraham and A. A., to Dorbran Mfg. Corp. Earmuffs. 3,249,949, 5–10–66, Cl. 2—209.
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Rosenberg, Charles H. Method and apparatus for making books. 3,237,934, 3–1–66, Cl. 270—53.
Rosenberg, David M., and S. E. Manecke, to Robertshaw Controls Co. Thermostatic switch having press fit motion translator member. 3,238,337, 3–1–66, Cl. 200—138.
Rosenberg, David J., to Certain-Teed Fiber Glass Corp. Acoustic insulation fastener. 3,238,835, 3–8–66, Cl. 85—7.
Rosenberg, David J., to Certain-Teed Fiber Glass Corp. Oven for curling resin impregnated fibrous mat. 3,242,527, 3–29–66, Cl. 18—4.
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Rosenberg, Hans R., to E. I. du Pont de Nemours and Co. Feed compositions containing N-substituted aminooxyacetic acid compounds and methods. 3,284,210, 11–8–66, Cl. 99—2.
Rosenberg, Harry W., to Titanium Metals Corp. of America. Titanium base alloy. 3,268,329, 8–23–66, Cl. 75—175.5.
Rosenberg, Harvey, to Burroughs Corp. Cryotron associative memory. 3,235,839, 2–15–66, Cl. 340—146.2.
Rosenberg, Harvey, to Burroughs Corp. Sampling circuit providing a strobe pulse straddled by a switch pulse. 3,246,-168, 4–12–66, Cl. 307—88.5.
Rosenberg, Harvey, and E. S. Lee III, to Burroughs Corp. Electrical circuit element. 3,283,282, 11–1–66, Cl. 338—32.
Rosenberg, Henry C., and F. R. Steward, to W. R. Grace & Co. Method of flocculating mineral solids colloidally suspended in an aqueous medium. 3,235,491, 2–15–66, Cl. 210—52.
Rosenberg, Lawrence: *See*—
Damon, Melvin H., Jr., and Rosenberg. 3,278,851.
Rosenberg, Lawrence, to United States of America, Navy. Encoding circuit. 3,277,463, 10–4–66, Cl. 340—347.
Rosenberg, Merton I., to American Bosch Arma Corp. Voltage regulator system. 3,293,535, 12–20–66, Cl. 322—28.
Rosenberg, Norman: *See*—
Kamins, Seymour, and Rosenberg. 3,282,493.
Rosenberg, Norman W.: *See*—
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Rosenberg, Philip: *See*—
Jacobs, Kenneth H., Pinsky, and Rosenberg. 3,267,721.
Rosenberg, Pinkus S., to Indianapolis Mfg. Corp. Device for preventing carburetor flooding. 3,277,877, 10–11–66, Cl. 123—136.
Rosenberg, Richard: *See*—
Antonsen, Knud, Bell, Harris, and Rosenberg. 3,253,-995.
Rosenberg, Richard A., and J. J. Coppola, to Industrial Electronics Hardware Corp. Anode connector for cathode ray tube. 3,267,412, 8–16–66, Cl. 339—223.
Rosenberg, Richard H., and R. S. Cooper, to Stauffer Chemical Co. Flameproof polyurethane resins. 3,294,710, 12–27–66, Cl. 260—2.5.
Rosenberg, Stig E., to International Latex Corp. Coating apparatus including masking means. 3,280,794, 10–25–66, Cl. 118—301.
Rosenberg, Thomas, to Eastern Chain Works, Inc. Chain for lamps and the like. 3,264,821, 8–9–66, Cl. 59—78.1.
Rosenberg, Thomas, to Eastern Chain Works, Inc. Link chain having electrical conducting lacquer piercing ridges. 3,267,203, 8–16–66, Cl. 174—68.
Rosenberg, Walter, ½ to P. Hobgood. Electronic feeding and proportioning apparatus for fluent materials. 3,228,-561, 1–11–66, Cl. 222—70.
Rosenberger, Gerald B., to International Business Machines Corp. Cryogenic memory apparatus. 3,253,159, 5–24–66, Cl. 307—88.5.
Rosenberger, Harold E., to Bausch & Lomb Inc. Optical system for microscopes having a two-component objective. 3,241,443, 3–22–66, Cl. 88—57.
Rosenberger, Harold E., to Bausch & Lomb Inc. Low power optical system for microscope. 3,264,938, 8–9–66, Cl. 88—57.
Rosenberger, Raymond A. Quick adjusting cushioned strike plate. 3,245,709, 4–12–66, Cl. 292—341.13.
Rosenberry, George M., Jr., to General Electric Co. Voltage regulator. 3,289,071, 11–29–66, Cl. 322—28.
Rosenberry, George M., Jr., to General Electric Co. Control system for synchronous machines. 3,293,517, 12–20–66, Cl. 318—167.
Rosenberry, Raymond A. Concatenated diverse folded dipoles. 3,245,082, 4–5–66, Cl. 343—803.
Rosenberry, W. K.: *See*—
Tarczy-Hornoch, Zoltan. 3,295,047.
Rosenblad, Axel E. Multiple effect evaporator of the switching type. 3,289,735, 12–6–66, Cl. 159—20.
Rosenblad, Axel E. Temperature control for evaporation system. 3,289,736, 12–6–66, Cl. 159—24.
Rosenblad, Curt F. Flexible plate heat exchangers with variable spacing. 3,229,763, 1–18–66, Cl. 165—166.
Rosenblad, Curt F. Flexible plate heat exchangers with plate flexing controlling means. 3,233,665, 2–8–66, Cl. 165—166.
Rosenblad, Curt F. Plate type heat exchanger. 3,255,816, 6–14–66, Cl. 165—166.
Rosenblad, Curt F. Flexible plate heat exchanger. 3,280,906, 10–25–66, Cl. 165—166.
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Axelsson, Karl O. 3,261,662.
Rosenblatt, Arnold L.: *See*—
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Rosenblatt, Frank, to Research Corp. Audio signal pattern perception device. 3,287,649, 11–22–66, Cl. 328—55.
Rosenblatt, Henry. Insulin mixing apparatus. 3,291,454, 12–13–66, Cl. 259—89.
Rosenblatt, Jerome J., to Hughes Aircraft Co. Illumination system. 3,291,976, 12–13–66, Cl. 240—41.35.
Rosenblatt, Murray: *See*—
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Rosenblatt, Murray, to General Electric Co. Arrangement for reducing errors resulting from signal faults or omissions. 3,229,270, 1–11–66, Cl. 340—174.1.
Rosenblatt, Murray, and D. E. Williams, to Radio Corp. of America. Computer system. 3,287,705, 11–22–66, Cl. 340—172.5.
Rosenblatt, Philip: *See*—
Denison, Samuel J. M., Allmark, Jones, Knoll, and Rosenblatt. 3,252,149.
Singer, Edwin, Rosenblatt, and Wilenitz. 3,259,886.
Rosenblatt, Solomon, to United Aircraft Corp. Radiator sealing scheme. 3,265,125, 8–9–66, Cl. 165—134.
Rosenbloom, William J., to Chemical Construction Corp. Production of low-biuret urea crystals. 3,251,879, 5–17–66, Cl. 260—555.
Rosenblum Bros. Co.: *See*—
Rosenblum, Henry R. 3,281,989.
Rosenblum, Bruce, to Radio Corp. of America. Method and apparatus for producing phase modulation of light with a semiconductor. 3,233,108, 2–1–66, Cl. 250—199.
Rosenblum, Bruce, to Radio Corp. of America. Tunable semiconductor optical modulator. 3,259,016, 7–5–66, Cl. 88—61.
Rosenblum, Henry R., to Rosenblum Bros. Co. Storm door having releasable grill. 3,281,989, 11–1–66, Cl. 49—57.
Rosenblum, Irving, to Dim-O-Matic, Inc. Automatic headlight control system. 3,273,012, 9–13–66, Cl. 315—82.
Rosenbluth, Marshall N.: *See*—
Furth, Harold P., and Rosenbluth. 3,230,145.
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Doedens, James D., and Rosenbrock. 3,256,215.
Doedens, James D., and Rosenbrock. 3,269,973.
Rosenburgh, Norman J.: *See*—
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Rosenburgh, Norman J., and D. D. McNair, to Eastman Kodak Co. Sheet conveyor. 3,271,025, 9–6–66, Cl. 271—45.

Rosenbusch, Franklin, to Forbro Design Corp. Inverter with D.C. frequency control. 3,275,948, 9–27–66, Cl. 331—113.

Rosenbusch, Kurt, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. ClO_2 depilation and keratin removal from hides and skins. 3,294,479, 12–27–66, Cl. 8—94.12.

Rosencranz, Robert, to Esterline Angus Instrument Co., Inc. Electro-hydraulic actuator for prime mover control. 3,263,-694, 8–2–66, Cl. 137—36.

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Ugi, Ivar, Offermann, and Rosendahl. 3,274,170.

Rosendahl, Gottfried R., to Ball Brothers Research Corp. Membrane for image converter and amplifier. 3,284,661, 11–8–66, Cl. 315—10.

Rosener, Wolfgang: *See*—
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Rosenfeld, Aaron, and K. Kupferberg. Control unit for stabilized output voltage power supply. 3,241,042, 3–15–66, Cl. 323—22.

Rosenfeld, Elisar B.: *See*—
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Rosenfeld, Henry, to Pride Creations, Inc. Greeting display device. 3,293,783, 12–27–66, Cl. 40—61.

Rosenfeld, Lev M., V. V. Arkhangelsky, and I. L. Gerlovin, to Leningradsky Tekhnologichesky Institute Cholodilnoi Promyshlennosti. Method of increasing a vapour compressing refrigerating machine cooling effect. 3,266,258, 8–16–66, Cl. 62—3.

Rosenfeld, Melvin A., and R. G. Moyer, to Union Oil Co. of California. Digital measuring apparatus. 3,271,564, 9–6–66, Cl. 235—151.32.

Rosenfeld, Morton M.: *See*—
Stern, Harry. 3,233,617.

Rosenfeld, Morton M. Wall structure having prefab joist sections. 3,230,679, 1–25–66, Cl. 52—293.

Rosenfeld, Morton M. Method of making a family blast shelter in a basement. 3,232,022, 2–1–66, Cl. 52—744.

Rosenfeld, Morton M. Wall structure and block therefor. 3,233,380, 2–8–66, Cl. 52—481.

Rosenfeld, Benjamin, to The Scholl Mfg. Co., Inc. Rolled finger bandage. 3,263,682, 8–2–66, Cl. 128—157.

Rosengarten, Walter E., Jr.: *See*—
Buczala, George S., Rosengarten, and Copeland. 3,260,-280.

Rosengarten, Walter E., Jr., A. T. Flower, and D. L. Buchanan. Cleaning tool. 3,228,146, 1–11–66, Cl. 51—8.

Rosengarten, Walter E., Jr., G. S. Buczala, and L. L. Copeland; said Copeland assor. to said Buczala and said Rosengarten. Expendable mold and method for sealing joints in gas mains. 3,260,280, 7–12–66, Cl. 138—97.

Rosengarten, Walter E., Jr., A. T. Flower, and D. L. Buchanan, said Flower and said Buchanan assors. to said Rosengarten. Process for sealing mains. 3,265,782, 8–9–66, Cl. 264—32.

Rosengreen, Karl A. K.: *See*—
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Rosenhan, Cort A. Extension collar for liquid containers such as paint cans. 3,252,635, 5–24–66, Cl. 222—527.

Rosenheinrich, Rene, to Siemens-Schuckertwerke Aktiengesellschaft. Method for production of semiconductor devices. 3,287,187, 11–22–66, Cl. 148—187.

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Rosenstein, Aaron D., R. C. Edwards, E. P. Wise, and F. L. Fisher, to Chrysler Corp. Fuel flow control valve. 3,236,-494, 2–22–66, Cl. 251—357.

Rosenstein, Abraham J.: *See*—
Garner, Harold, Rosenstein, A. J. and N. 3,255,580.
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Rosenstein, Nathan and A. J. 3,273,220.

Rosenstein, Nathan: *See*—
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Rosenstein, Nathan, to Spunize Co. of America, Inc. Yarn twist control apparatus and method. 3,238,591, 3–8–66, Cl. 28—1.

Rosenstein, Nathan, to Spunize Co. of America, Inc. Method of making distorted crimped yarn. 3,271,836, 9–13–66, Cl. 28—72.

Rosenstein, Nathan, to Spunize Co. of America, Inc. Apparatus and method for crimping filamentary textile material. 3,283,387, 11–8–66, Cl. 28—1.

Rosenstein, Nathan and A. J., to Spunize Co. of America, Inc. Apparatus for crimping of natural and synthetic textile materials. 3,230,598, 1–25–66, Cl. 28—1.

Rosenstein, Nathan and A. J., to Spunize Co. of America, Inc. Apparatus for the crimping of natural and synthetic textile materials. 3,273,220, 9–20–66, Cl. 28—1.

Rosenstein, William, and F. H. Bultman, to Walker Mfg. Co. Feeding and coating device. 3,265,035, 8–9–66, Cl. 118—211.

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Lorenz, Albert, Muller, Reinchelt, and Rosenstock. 3,272,-175.

Rosenston, David, to Crane Co. Valve indicator and limit switch combination. 3,239,616, 3–8–66, Cl. 200—47.

Rosenthal, Adolph H., deceased, by L. S. Rosenthal, executrix, to Kollsman Instrument Corp. Pressure measuring device. 3,228,246, 1–11–66, Cl. 73—388.

Rosenthal, Adolph H., deceased, by L. S. Rosenthal, executrix, to Kollsman Instrument Corp. Large screen projection display device employing a printing cathode ray tube. 3,263,029, 7–26–66, Cl. 178—7.88.

Rosenthal, Arnold J., and C. Cipriani, to Celanese Corp. of America. Solution spinning of polyhexamethylene terephthalamide. 3,227,792, 1–4–66, Cl. 264—203.

Rosenthal, Arnold J., and C. Cipriani, to Celanese Corp. of America. Solution of polyhexamethylene terephthalamide in a solvent comprising formic acid and a compound selected from sulfinic acid hydrogen chloride and mixtures thereof. 3,288,738, 11–29–66, Cl. 260—29.2.

Rosenthal, David W.: *See*—
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Rosenthal, Harold, and D. Casper, to General Foods Corp. Pectin jelly and dry base therefor. 3,256,099, 6–14–66, Cl. 99—132.

Rosenthal, Harry. Wire braced container for display package. 3,286,824, 11–22–66, Cl. 206—45.33.

Rosenthal, Lilly S.: *See*—
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Rosenthal, Myron M., to Loral Electronics Corp. Inflatable antenna. 3,278,938, 10–11–66, Cl. 343—880.

Rosenthal, Norman A., to Thiokol Chemical Corp. 2-N-methylammoniumethyithiosulfuric acid and its use as a radio protective agent. 3,284,297, 11–8–66, Cl. 167—65.

Rosenthal, Norman A., to Thiokol Chemical Corp. Preparation of monomeric disulfides. 3,284,466, 11–8–66, Cl. 260—327.

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Rosenthal, Sol R. Envelope. 3,229,894, 1–18–66, Cl. 229—85.

Rosenthal, Sol R. Tobacco article. 3,288,145, 11–29–66, Cl. 131—4.

Rosenthal, Waldemar A., H. A. Pinkalla, L. R. Cook, and R. F. Korfhage, to W. R. Grace & Co. Water-in-oil chocolate emulsion. 3,232,765, 2–1–66, Cl. 99—23.

Rosenthal, Yuval, and R. C. Brown, to Moisture Miser Systems-Pomona. Subsurface irrigation conduit. 3,292,378, 12–20–66, Cl. 61—13.

Rosentrater, Fred W. Steering and reversing assembly for water jet boats. 3,272,439, 9–13–66, Cl. 239—265.25.

Rosenwald, Robert H.: *See*—
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Rosenwald, Robert H., to Universal Oil Products Co. O-alkylation of hydroxylamines. 3,284,504, 11–8–66, Cl. 260—571.

Rosenzweig, William, to Fashion Development Corp. Straps. 3,290,696, 12–13–66, Cl. 2—323.

Roser, Gerhard K., to Swingfast, Inc. Method of and means for making nails, on the order of finishing nails, brads, and the like. 3,234,572, 2–15–66, Cl. 10—50.

Roser, Immo C., to TRW Inc. Variable inductor employing spaced magnetic hubs. 3,227,980, 1–4–66, Cl. 336—136.

Rosett, Theodore: *See*—
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Rosewicz, Horst, and G. Manhart, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Process and apparatus for the continuous heat sealing of plastic sheeting. 3,278,358, 10–11–66, Cl. 156—306.

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King, Lawrence. 3,283,543.
King, Lawrence. 3,284,015.

Roshkind, Allan I., to A. B. Dick Co. Web splicer. 3,245,-861, 4–12–66, Cl. 156—505.

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Rosi, David, and G. P. Peruzzotti, to Sterling Drug Inc. 1-aminoalkylamino - 4 - hydroxymethyl(or 4 - formyl)-thioxanthene derivatives. 3,294,803, 12–27–66, Cl. 260—293.4.

Rosi, Fred D., and J. J. Hanak, to Radio Corp. of America. Superconducting materials and method of making them. 3,290,186, 12–6–66, Cl. 148—126.

Rosiak, Marion, to Advance Transformer Co. Single lamp rapid start ballast. 3,295,015, 12–27–66, Cl. 315—239.

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Rosier, Jean-Jacques. Flexible tube. 3,227,319, 1–4–66, Cl. 222—94.

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Rosin, Seymour, to Scanoptic Inc. Cassegrain tele-objective. 3,274,886, 9–27–66, Cl. 88—57.

Rosing, Lennart, to Svenska Flaktfabriken, Aktiebolaget. Method and an apparatus for moistening hygroscopic material. 3,280,825, 10–25–66, Cl. 131—136.

Rosinger, Herbert P.: *See*—
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Brown, Warren B., Eklof, and Roskelley. 3,251,506.

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Dexter, Martin, Knell, and Roskin. 3,255,191.
Dexter, Martin, Knell, and Roskin. 3,257,354.

Roskopf, Donald L., and R. A. Snyder, to Ford Motor Co. Manifold pressure operated throttle valve system for a multiple speed ratio power transmission mechanism. 3,292,-448, 12–20–66, Cl. 74—472.

Rosler, Ernst, and K. Kresse, to Montblanc-Simplo G.m.b.H. Ink conductor for fountain pens. 3,289,640, 12–6–66, Cl. 120—50.

Rosler, Ulrich, to Siemens-Schuckertwerke Aktiengesellschaft. Zirconium alloys containing cerium and yttrium. 3,261,-682, 7–19–66, Cl. 75—177.

Rosler, Walter, to Drahtwerke Rosler K.G. Method of and apparatus for the production of welded joints in meshwork units. 3,260,833, 7–12–66, Cl. 219—56.

Rosler, Walter, to Drahtwerke Rosler K.G. Apparatus for forming a net of intersecting threads. 3,284,268, 11–8–66, Cl. 156—439.

Roslyn, Joseph, Jr., to Electronic Associates, Inc. Computer patching modules. 3,241,000, 3–15–66, Cl. 317—101.

Rosmarin, Ernest S. Recliner rocker loungers and hardware therefor. 3,287,059, 11–22–66, Cl. 297—69.

Rosner, Carl H., to General Electric Co. Superconductive solenoids having a field probe mounted therein. 3,262,026, 7–19–66. Cl. 317—158.

Rosner, Carl H., to General Electric Co. Protective circuit for removing energy from superconducting coils. 3,270,247, 8–30–66, Cl. 317—13.

Rosner, Carl H., and C. P. Bean, to General Electric Co. Apparatus for determining electrical properties of metal such as its resistivity and utilizing measurements made at high and at low temperatures. 3,281,668, 10–25–66, Cl. 324—40.

Rosner, Manfred, to Brown, Boveri & Cie, Aktiengesellschaft. Magnetohydrodynamic generator. 3,247,405, 4–19–66, Cl. 310—11.

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Ross, Alexander: *See*—
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Ross, Anthony J. Auger ice maker. 3,238,740, 3–8–66, Cl. 62—354.

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Ross, Bernd, to Hoffman Electronics Corp. Neutron detecting solid state device or the like. 3,227,876, 1–4–66, Cl. 250—83.1.

Ross, Bernd, to Hoffman Electronics Corp. Semiconductor device. 3,255,055, 6–7–66, Cl. 148—186.

Ross, Bernd, to Hoffman Electronics Corp. Method of attaching leads to a semiconductor body and the article formed thereby. 3,273,029, 9–13–66, Cl. 317—234.

Ross, Bernd, to Hoffman Electronics Corp. Epitaxial alloy semiconductor devices and processes for making them. 3,290,188, 12–6–66, Cl. 148—177.

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Ross, Ronald J. 3,249,380.

Ross, Carl H., to The Crane & Breed Casket Co. Metal burial casket and liner inserts therefor. 3,233,302, 2–8–66, Cl. 27—6.

Ross, Charles W.: *See*—
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Ross, Daniel L.: *See*—
Green, Milton, Milligan, and Ross. 3,241,963.

Ross, David S., to Amcodyne & Co. Spray nozzle. 3,257,079, 6–21–66, Cl. 239—113.

Ross, David S. and G. W., to Amcodyne & Co. Waste treatment process. 3,236,767, 2–22–66, Cl. 210—7.

Ross, Don H., and E. S. Rubin, to Massachusetts Institute of Technology. Shock wave inducing means for supersonic vehicles. 3,259,065, 7–5–66, Cl. 102—50.

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Ross, Donald H., and J. L. Wilson, to Taylor Corp. Filament winding machine. 3,232,545, 2–1–66, Cl. 242—7.

Ross, Edward E., J. Cunningham, and F. Hartman, to California Packing Corp. Tapered agricultural product orienting apparatus and method. 3,268,057, 8–23–66, Cl. 198—33.

Ross, Edward J. Surface chlorination composition. 3,236,-726, 2–22–66, Cl. 167—17.

Ross, Edward J. Tableted composition for oxygen release. 3,260,674, 7–12–66, Cl. 252—186.

Ross, Edward J., to Imperial-Eastman Corp. Hose structure. 3,266,527, 8–16–66, Cl. 138—125.

Ross, Edward J., to Mine Safety Appliances Co. Self-controlled, solid state, two-step battery charger. 3,278,823, 10–11–66, Cl. 320—23.

Ross, Ellis H. Refrigeration apparatus for killing weeds. 3,263,439, 8–2–66, Cl. 62—228.

Ross Engineering Corp.: *See*—
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Ross, Floyd E.: *See*—
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Ross, Frank, and S. B. Richter, to Velsicol Chemical Corp. Pesticidal poly-substituted dialkoxy anilino triazines. 3,291,796, 12–13–66, Cl. 260—249.5.

Ross, Frank A., to The B. F. Goodrich Co. Apparatus for forming plastic sheet material. 3,273,203, 9–20–66, Cl. 18—19.

Ross, Gene W.: *See*—
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Ross, Gilbert H.: *See*—
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Ross, Hugh C., to Jennings Radio Mfg. Corp. Arc-controlling auxiliary contact assembly for electric switches. 3,244,843, 4–5–66, Cl. 200—144.

Ross, Hugh C. Vacuum switch. 3,267,247, 8–16–66, Cl. 200—168.

Ross, Hugh M., to Loewy Engineering Co. Ltd. Guillotine shear of the upcut type. 3,292,475, 12–20–66, Cl. 83—368.

Ross, Ian S. Automatic belt conveyor covers for use with travelling tripper. 3,286,818, 11–22–66, Cl. 198—204.

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Ross, John F., to General Electric Co. Ceramic bonding. 3,281,309, 10–25–66, Cl. 161—196.

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Ross, John W., D. R. Boynton, and F. R. Gallus, to Union Carbide Canada Ltd. Apparatus for thermally working minerals. 3,235,182, 2–15–66, Cl. 239—132.3.

Ross, Karl F. Wave-front-reconstruction radar system. 3,284,799, 11–8–66, Cl. 343—6.

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Ross, Leonard C., to R. W. Emerson. Foot-operated, bottled-liquid dispensing apparatus. 3,233,787, 2–8–66, Cl. 222—179.

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Field, Philip M., and Ross. 3,294,966.

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Ross, Ronald J., to Ross-Burnet, Inc. Latch actuating mechanism and locking means therefor. 3,249,380, 5–3–66, Cl. 292—166.

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Rosser, Elbert G. Tobacco harvesting apparatus. 3,250,405, 5–10–66, Cl. 214—5.5.

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Rossnan, Michael. Crab meat collecting machines. 3,257,683, 6–28–66, Cl. 17—2.

Rossnan, Michael. Tooth brush. 3,258,805, 7–5–66, Cl. 15—110.

Rossnan, Michael. Suction cleaning nozzle. 3,268,942, 8–30–66, Cl. 15—346.

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Roth, Harold H., to The Dow Chemical Co. Flexible electroluminescent lamp having transparent metal-coated strands as the light transmitting electrode. 3,274,419, 9–20–66, Cl. 313—108.

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Roth, Robert I., to International Business Machines Corp. Variable word length associative memory. 3,257,646, 6–21–66, Cl. 340—172.5.

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Roth, Wilfred. Container filling transfer mechanism. 3,272,240, 9–13–66, Cl. 141—176.

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Rothwarf, Frederick, and R. C. Thiel, to United States of America, Army. Bulk superconductor high field persistent magnet and means for making same. 3,250,958, 5–10–66, Cl. 317—123.

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Rotschild, Siegfried, to North American Philips Co., Inc. Method of preparing a cadmium oxide photoconductor. 3,251,714, 5–17–66, Cl. 117—201.

Rotsell, Wayne C., Jr., and J. R. Long, to Harvey Aluminum (Inc.). Method of eliminating stress corrosion cracking in copper-magnesium-zinc series aluminum alloys. 3,231,435, 1–25–66, Cl. 148—159.

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Rotter, Erhard F., to Gebr. Poensgen G.m.b.H. Compensating biasing and feeler unit for winding machines. 3,294,336, 12–27–66, Cl. 242—67.4.

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Rottmann, Hans R., to Owens-Illinois Glass Co. Photoelectric inspection of containers for dirty finishes. 3,235,740, 2–15–66, Cl. 250—224.

Rottmann, Hans R., to Owens-Illinois Glass Co. Inspecting glass container for horizontal checks. 3,245,533, 4–12–66, Cl. 209—111.7.

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Rouanet, Michel. Mechanical movement. 3,253,801, 5–31–66, Cl. 242—84.21.

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Roudaut, Philippe R. L. Semi-rotary magnetic device. 3,279,388, 10–18–66, Cl. 103—148.

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Roulund, Poul B., 20% to E. A. Sokolski. Water jet propulsion device. 3,273,333, 9–20–66, Cl. 60—35.5.

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Roussin, Alfred G., and A. P. Weiner, to General Electric Co. Fine tuning device for television receiver. 3,253,240, 5–24–66, Cl. 334—51.

Routen, William M. Tax figuring device. 3,266,723, 8–16–66, Cl. 235—86.

Routh, Claude C., to United States of America, Navy. Cathode ray tube modulator. 3,230,292, 1–18–66, Cl. 35—10.4.

Routh, Claude C. Dispersive delay line. 3,261,969, 7–19–66, Cl. 235—181.

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Rowady, Edward P., to Eaton Mfg. Co. Powder metal alloy composition and method for forming wear resistant coatings therewith. 3,227,544, 1–4–66, Cl. 75—.5.

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Rowe, Charles A., Jr., A. Schriesheim, and D. L. Baeder, to Esso Research and Engineering Co. Drying oils and process. 3,281,487, 10–25–66, Cl. 260—669.

Rowe, Dale C. Multiple information conduit apparatus. 3,238,289, 3–1–66, Cl. 174—72.

Rowe, Daniel E. Barber chair kit. 3,228,725, 1–11–66, Cl. 297—84.

Rowe, Donald R. Building panels. 3,245,185, 4–12–66, Cl. 52—315.

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Rowe, George E., to Emhart Corp. Mold holder for glassware forming machine. 3,278,290, 10–11–66, Cl. 65—328.

Rowe, Horace N. Electronic tremolo unit. 3,240,859, 3–15–66, Cl. 84—1.25.

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McCollum, Burton, and Rowe. 3,274,544.

Rowe, Raymond N., to General Electric Co. Center-fed fusible busway plug. 3,229,066, 1–11–66, Cl. 200—133.

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Rowe, Raymond N., to General Electric Co. Electric power busway with plug-in branch circuit takeoff. 3,263,131, 7–26–66, Cl. 317—116.

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Rowe, Robert, to Societe de l'Accumulateur Fulmen. Electric current-generating installation. 3,246,163, 4–12–66, Cl. 307—19.

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Rowekamp, Richard J. Pan-type solar collector. 3,277,884, 10–11–66, Cl. 126—271.

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Rowell, Douglas W., to The Anaconda American Brass Co. Method and apparatus for extrusion with multiple containers. 3,256,729, 6–21–66, Cl. 72—268.

Rowell, Douglas W., to Anaconda American Brass Co. Method and apparatus for extrusion of tubes. 3,263,468, 8–2–66, Cl. 72—267.

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Rowland, David L. Compactly stackable chair. 3,275,371, 9–27–66, Cl. 297—239.
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Roy, Clarence H., to The Procter & Gamble Co. Method for preparing tetra-secondary alkyl methylenediphosphonates. 3,251,907, 5–17–66, Cl. 260—969.
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Royer, Clady J. Method for replacing worn or fractured teeth on large gear rings. 3,243,874, 4–5–66, Cl. 29—401.
Royer, Clady J. Method for replacing worn or fractured teeth on large gear rings. 3,273,232, 9–20–66, Cl. 29—401.
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Rubenstein, David. Reinforced plastic constructions. 3,271,917, 9–13–66, Cl. 52—309.
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Rubin, Martin. Fertilizer composition comprising chelated micronutrients and polyurethane foam. 3,245,776, 4–12–66, Cl. 71—1.
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Rubin, Norman N. Torque limiting nut. 3,280,690, 10–25–66, Cl. 85—61.
Rubin, Norman N., to United States of America, Navy. Electrical deflection of raindrops. 3,289,060, 11–29–66, Cl. 317—262.
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Rubino, Andrew M., to Armour Pharmaceutical Co. Aluminum hydroxide metal hydroxide antacid and process of making the same. 3,239,416, 3–8–66, Cl. 167—55.
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Rubinowitz, Leo, to American Machine & Foundry Co. Distillation apparatus having electric heating element with thermostatic switch. 3,278,395, 10–11–66, Cl. 202—83.
Rubinstein, Harry W., to Sprague Electric Co. Electrical capacitor. 3,241,014, 3–15–66, Cl. 317—242.
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Rubricius, Jeanette L. Small animal cage. 3,292,582, 12–20–66, Cl. 119—17.
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Rucker, Klaus G., to E. I. du Pont de Nemours and Co. Ignition assembly resistant to actuation by radio frequency and electrostatic energies. 3,264,989, 8–9–66, Cl. 102—28.

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Rucklin, Rudolf, to Electroacustic Gesellschaft mit beschrankter Haftung. System for recording sonar signals on record carrier. 3,227,995, 1–4–66, Cl. 340—3.

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Ruda, Edward P., to Garcy Corp. Support structure for supporting furniture. 3,291,079, 12–13–66, Cl. 108—156.

Rudasill, LeRoy, and M. Reich, to United States of America, Navy. Wind indicating system. 3,276,256, 10–4–66, Cl. 73—188.

Rudberg, Harry I. A. Automatic car parking-meter for garages. 3,270,847, 9–6–66, Cl. 194—1.

Rudd, Gerald A., to Diamond International Corp. Nestable egg trays. 3,282,458, 11–1–66, Cl. 217—26.5.

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Rudd, Milo O., W. C. Tripp, and G. A. Beasley, to Univis, Inc. Method and apparatus for processing of ophthalmic lens. 3,226,887, 1–4–66, Cl. 51—277.

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Rudd, Wallace C.: *See*—
Morris, Jack, and Rudd. 3,234,352.

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Rudd, Wallace C., to American Machine & Foundry Co. Butt welding of metal members by high frequency heating current. 3,293,403, 12–20–66, Cl. 219—104.

Ruddock, Kenneth A., H. A. Slack, and S. Breiner; said Slack assor. to The Pure Oil Co.; said Ruddock and said Breiner assors. to Varian Associates. Method for determining depth and falloff rate of subterranean magnetic disturbances utilizing a plurality of magnetometers. 3,263,161, 7–26–66, Cl. 324—5.

Ruddock, William F., and E. A. Di Pasquantonio, to Pitney-Bowes, Inc. Form set and method utilizing same. 3,290,-060, 12–6–66, Cl. 282—22.

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Walter, Carlton H., and Rudduck. 3,255,454.

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Ruder, Nils T. A. Stands for electric-light fittings and the like. 3,265,341, 8–9–66, Cl. 248—123.

Ruderman, Milton M. Planographic printing plate and process. 3,282,208, 11–1–66, Cl. 101—149.2.

Rudershausen, Frank J., O. F. Naquin, and E. B. Frech, to Virginia Laminating Co. Credential. 3,279,826, 10–18–66, Cl. 283—7.

Rudert, Frithjof, to Fernseh G.m.b.H. Television cameras. 3,255,309, 6–7–66, Cl. 178—7.2.

Rüdiger, Ernst. Container for the preparation of bath salts. 3,273,704, 9–20–66, Cl. 206—47.

Rudigier, Joseph J., Jr., to Hygrodynamics, Inc. Mat dryer humidity control system. 3,279,089, 10–18–66, Cl. 34—45.

Rudin, George H., to Johns-Manville Corp. Apparatus for producing fibers. 3,246,971, 4–19–66, Cl. 65—15.

Rudin, Shirley J. Tamper proof protector for coin control apparatus. 3,292,760, 12–20–66, Cl. 194—63.

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Rudisch, Walter E., and F. D. Gross, to The Pannier Corp. Rotary imprinting machine moving selected character to imprinting position by shortest arc. 3,282,389, 11–1–66, Cl. 197—6.6.

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Rudner, Bernard, P. E. Brumfield, and P. M. Hergenrother, to Koppers Co., Inc. Benzothiazole dicarboxylic acids and polymers derived therefrom. 3,267,081, 8–16–66, Cl. 260—78.4.

Rudner, Bernard, and G. S. Achorn, to Koppers Co., Inc. Polyolefin treatment with a sulfur containing compound. 3,278,498, 10–11–66, Cl. 260—79.3.

Rudness, Robert G., and R. W. Kebler, to Union Carbide Corp. Production of single crystals from incongruently melting material. 3,272,591, 9–13–66, Cl. 23—50.

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Rudnick, Jack, to J. and B. Rudnick. Hinge structure. 3,237,239, 3–1–66, Cl. 16—145.

Rudnick, Jack. Hinge structure. 3,246,684, 4–19–66, Cl. 160—118.

Rudnicki, William E., to Ford Motor Co. Locking differential transmission. 3,261,230, 7–19–66, Cl. 74—710.5.

Rudnicki, William E., and J. M. Benson, to Ford Motor Co. Axle housing assembly. 3,270,583, 9–6–66, Cl. 74—607.

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Rudolph, Hans, to Siemens & Halske Aktiengesellschaft. Stabilizing unstable synchronizing phase positions in receivers of synchronously operating telegraph systems. 3,240,877, 3–15–66, Cl. 178—69.5.

Rudolph, Hans H., and D. Menzel, to Dynamit Nobel Aktiengesellschaft. Shell construction. 3,289,585, 12–6–66, Cl. 102—41.

Rudolph, Martin. Method of and apparatus for blow molding large hollow bodies. 3,275,726, 9–27–66, Cl. 264—98.

Rudolph, Rome R., C. Strutz, Jr., and F. C. Strutz. Method and apparatus for decorating generally cylindrical workpieces. 3,251,298, 5–17–66, Cl. 101—40.

Rudolph, Rome R., C. Strutz, Jr., and F. C. Strutz, to Carl Strutz & Co., Inc. Bottle decorating apparatus. 3,253,538, 5–31–66, Cl. 101—40.

Rudolph, Rome R., C. Strutz, Jr., and F. C. Strutz, to Carl Strutz & Co., Inc. Squeegee drive mechanism. 3,264,980, 8–9–66, Cl. 101—40.

Rudolph, Rome R., C. Strutz, Jr., and F. C. Strutz, to Carl Strutz & Co., Inc. Article transferring apparatus. 3,272,-349, 9–13–66, Cl. 214—1.

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Renckhoff, Gustav, and Rudolph. 3,282,989.

Rudow, Henry and M. Sheet metal braces for furniture legs. 3,233,855, 2–8–66, Cl. 248—188.91.

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Kochalski, Horst, Rudszinat, Suck, Rode, David, and Erdmann. 3,236,356.
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Rudszinat, Willy, to Hauni-Werke Korber & Co. K.G. Method of manufacturing filter tip cigarettes and the like. 3,245,-414, 4–12–66, Cl. 131—94.

Rudszinat, Willy, and B. Schubert. Method of and apparatus for manipulating rod-shaped articles. 3,228,512, 1–11–66, Cl. 198—30.

Rudszinat, Willy, and O. Erdmann, to Hauni-Werke Korber & Co. K.G. Machine for making and handling cigarettes and similar articles. 3,250,056, 5–10–66, Cl. 53—236.

Rudszinat, Willy, and H. Berlin, to Hauni-Werke Korber & Co., K.G. Apparatus for applying adhesive-coated wrappers to cigarettes and similar articles. 3,250,278, 5–10–66, Cl. 131—94.

Rudy, Stephen J., and L. A. Amtsberg, to Chicago Pneumatic Tool Co. Jet vibrator. 3,260,509, 7–12–66, Cl. 259—1.

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Rued, Fred H., and R. M. Bacchi, to Baldwin-Lima-Hamilton Corp. Balancing machine. 3,250,132, 5–10–66, Cl. 73—460.

Rueffer, Raymond L., to Kearney-National Inc. Telescoping-type circuit-breaker having isolator contact with arc snuffing means. 3,259,726, 7–5–66, Cl. 200—151.

Rueger, Herman, to AMP Inc. Housing for indicating lamp or other electrical components. 3,276,014, 9–27–66, Cl. 340—381.

Rueger, Herman, to AMP Inc. Housing for indicating lamp or other electrical components. 3,289,200, 11–29–66, Cl. 340—381.

Ruegg, Ernst, to Escher Wyss Aktiengesellschaft. Push-type centrifuge. 3,268,083, 8–23–66, Cl. 210—376.

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Ruegsegger, Frank E., to Raymond International Inc. Apparatus for troweling plastic linings in conduits and the like. 3,257,698, 6–28–66, Cl. 25—38.

Ruegsegger, Frank E., to Raymond International Inc. Drag troweling arrangement for use in lining of conduits. 3,257,699, 6–28–66, Cl. 25—38.

Ruegsegger, Frank E., to Raymond International Inc. Apparatus for troweling pipe linings of mortar. 3,257,697, 6–28–66, Cl. 25—38.

Ruehle, William H., to Socony Mobil Oil Co. Methods of band-equalizing seismograms. 3,274,542, 9–20–66, Cl. 340—15.5.

Ruehle, William H., to Mobil Oil Corp. Geophysical data processing utilizing time-variable filters. 3,281,776, 10–25–66, Cl. 340—15.5.

Ruehlemann, Herbert E., to Elco Corp. Contact for direct reception of printed circuit board. 3,231,848, 1–25–66, Cl. 339—176.

Ruehlemann, Herbert E., to Elco Corp. Contact with locking feature. 3,248,686, 4–26–66, Cl. 339—213.

Ruehlemann, Herbert E., to Elco Corp. Strip contact. 3,249,-905, 5–3–66, Cl. 339—18.

Ruehlemann, Herbert E., to Elco Corp. Connector with glass substrate. 3,287,686, 11–22–66, Cl. 339—17.

Ruehlemann, Herbert E., and H. Gordon, to Elco Corp. Contact for direct reception of printed circuit board. 3,233,-208, 2–1–66, Cl. 339—176.

Ruehlemann, Herbert E., and F. Frompovics, to Elco Corp. Appliance connector. 3,289,145, 11–29–66, Cl. 339—176.

Ruehmann, Donald W., to National Union Electric Corp. Rug shampooer. 3,263,256, 8–2–66, Cl. 15—50.

Ruehrwein, Robert A., to Monsanto Co. Production of epitaxial films. 3,261,726, 7–19–66, Cl. 148—33.4.

Ruekberg, Herbert S., to Continental Can Co., Inc. Plastic overcap. 3,269,588, 8–30–66, Cl. 220—60.

Ruekberg, Herbert S., to Continental Can Co., Inc. Deburring method and apparatus. 3,270,116, 8–30–66, Cl. 264—320.

Ruelius, Hans W., to American Home Products Corp. Process for producing an enzyme system capable of degrading penicillin G to 6-APA using a quarternary ammonium halide. 3,278,391, 10–11–66, Cl. 195—36.

Ruelle, Charles E., to Hamilton Mfg. Co. Dryer control circuit. 3,254,423, 6–7–66, Cl. 34—45.

Ruelle, Gilbert, and M. Peter, to Societe General de Constructions Electriques et Mecaniques (Alsthom). Cooling arrangements for electric machines. 3,270,229, 8–30–66, Cl. 310—180.

Ruelle, Louis A.: *See*—
Noble, Maurice, and Ruelle. 3,248,171.

Ruesch, Ferdinand, Maschinen und Waagenfabrik: *See*—
Schick, Johann G. 3,261,217.

Ruesch, Hannes A., and L. W. Hahn, to Champion Spark Plug Co. Work transfer device. 3,240,359, 3–15–66, Cl. 214—1.

Ruete, Robert C., and R. R. Brown, to Elastic Stop Nut Corp. of America. Shielded electrical connection. 3,243,756, 3–29–66, Cl. 339—60.

Ruetschi, Charles. Projection-welding method for insulation-coated surfaces. 3,233,073, 2–1–66, Cl. 219—93.

Ruetschi, Paul, to The Electric Storage Battery Co. Electric battery. 3,265,534, 8–9–66, Cl. 136—26.

Ruettger, Bernard P. Garment packaging device. 3,236,-388, 2–22–66, Cl. 211—113.

Ruf, Walter. Endless track for tracked vehicles. 3,231,316, 1–25–66, Cl. 305—38.

Ruf, Walter. Missile-proof ground wheel. 3,234,989, 2–15–66, Cl. 152—43.

Ruf, Walter. Vehicle with means for adjusting the air pressure in tires. 3,276,502, 10–4–66, Cl. 152—417.

Ruf, Walter. Device for suspension and shock absorption in vehicles. 3,290,036, 12–6–66, Cl. 267—15.

Ruf, Walter. Mechanical drive for tracked vehicles. 3,294,-187, 12–27–66, Cl. 180—6.66.

Rufenacht, Kurt, to J. R. Geigy, A.-G. Thiophosphoric acid derivatives of 1,3,4-thiadiazol-2-one or thione compounds. 3,230,230, 1–18–66, Cl. 260—306.7.

Rufenacht, Kurt, to J. R. Geigy A.-G. Certain diazolylmethyl esters of thiophosphoric and dithiophosphoric acids. 3,239,-532, 3–8–66, Cl. 260—307.

Rufenacht, Kurt, to J. R. Geigy A.G. Compositions and method of controlling pests with thio and dithiophosphoric acid derivatives. 3,240,668, 3–15–66, Cl. 167—33.

Rufenacht, Kurt, to J. R. Geigy A.G. Method and compositions for controlling pests. 3,269,896, 8–30–66, Cl. 167—33.

Rufenacht, Kurt, to J. R. Geigy, A.-G. Certain 3-chloromethyl- and 3-phenyl-1,3,4-thiadiazoles. 3,287,463, 11–22–66, Cl. 260—302.

Rufer, Charles E.: *See*—
Jaremus, Boubene M., Nieter, and Rufer. 3,247,577.
Jaremus, Boubene M., Nieter, and Rufer. 3,247,578.

Ruff, Alban E.: *See*—
Delman, Alvin D., Katzenstein, Ruff, and Simms. 3,267,-072.

Ruff, Norbert C.: *See*—
Hebert, Truman J., and Ruff. 3,229,680.

Ruff, Richard J., deceased, by National Bank of Detroit, executor, to Universal Oil Products Co. Catalytic radiant heat treating apparatus. 3,270,798, 9–6–66, Cl. 158—99.

Ruff, Walter: *See*—
Tippin, Billy B., and Ruff. 3,292,851.

Ruffell, Graham K.: *See*—
Walton, Eric, and Ruffell. 3,242,194.

Ruffer, Rudolf, to Elster & Co., A.G. Compensating means for a meter such as a gas meter. 3,266,310, 8–16–66, Cl. 73—233.

Ruffer, Walter F.: *See*—
Grahl, Darwin R., and Ruffer. 3,231,702.
Grahl, Darwin R., and Ruffer. 3,231,703.

Ruffieux, Stanislas, to Brown, Boveri & Cie Aktiengesellschaft. Compressed gas electrical switch of tank type construction with multiple interruption and closed gas circulation system. 3,256,415, 6–14–66, Cl. 200—148.

Ruffing, Charles R.: *See*—
Philofsky, Harold M., and Ruffing. 3,254,246.

Ruffing, Norman R., B. A. Kozakiewicz, B. B. Cave, and J. L. Amos, to The Dow Chemical Co. Process for making graft copolymers of vinyl aromatic compounds and stereospecific rubbers. 3,243,481, 3–29–66, Cl. 260—880.

Ruffing, William A., to The Union Metal Mfg. Co. Materials handling reverse flow positioning stand construction. 3,282,454, 11–1–66, Cl. 214—302.

Rufli, Anton: *See*—
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Ruge, Arthur C., to Baldwin-Lima-Hamilton Corp. Strain gage transducer with impedance means for compensating for the characteristic nonlinearity of the gage. 3,234,787, 2–15–66, Cl. 73—141.

Ruge, Arthur C., to Baldwin-Lima-Hamilton Corp. Nonlinearity compensation means for electrical strain gage transducer. 3,246,510, 4–19–66, Cl. 73—141.

Ruge, Arthur C., to Baldwin-Lima-Hamilton Corp. Electrical pressure transducer. 3,277,718, 10–11–66, Cl. 73—398.

Ruge, Willi. Heating system for motor vehicles. 3,236,044, 2–22–66, Cl. 60—30.

Ruger, Gunter. Apparatus for clamping cylindrical work pieces into a working machine. 3,279,129, 10–18–66, Cl. 51—237.

Ruger, Sturm, and Co., Inc.: *See*—
Sefried, Harry H., II, and McClenahan. 3,239,959.

Ruggiero, Angelo. Equipment for collecting olives. 3,280,-952, 10–25–66, Cl. 193—7.

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Grulke, Carl A., and Ruggiero. 3,236,663.

Ruggles, Rudy L., Jr.: *See*—
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Ruhemann, Martin S. W., and B. Yale, to Petrocarbon Developments Ltd. Separation of oxygen from air. 3,261,168, 7–19–66, Cl. 62—13.

Ruhl, Wilhelm: *See*—
Doebl, Hans, Bohrmann, and Ruhl. 3,259,374.

Ruhland, Alois: *See*—
Fischer, Josef, Aidn, and Ruhland. 3,244,834.

Ruhland, Walter F., and S. A. Rishovd, to Bishman Mfg. Co. Tire removal tool. 3,240,252, 3–15–66, Cl. 157—1.17.

Ruhnke, Lothar H., to Litton Systems, Inc. Apparatus for detecting changes in the atmospheric electric field. 3,273,-066, 9–13–66, Cl. 325—113.

Ruhnke, Richard R., to Garcy Corp. Display fixture assembly. 3,243,051, 3–29–66, Cl. 211—182.

Ruhnke, Richard R., to Garcy Corp. Hang rod assembly. 3,247,973, 4–26–66, Cl. 211—105.1.

Ruhnke, Richard R., to Garcy Corp. Hang rod assembly. 3,269,553, 8–30–66, Cl. 211—105.1.

Ruhnke, Richard R., to Garcy Corp. Hang rod assembly. 3,282,548, 11–1–66, Cl. 248—243.

Ruhnke, Richard R., to Garcy Corp. Hang rod assembly. 3,286,850, 11–22–66, Cl. 211—105.1.

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Roelen, Otto, and Rottig. 3,255,238.
Roelen, Otto, and Rottig. 3,257,445.
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Ruhrmann, Josef, K. Streicher, and E. Popovitsch, to Talon, Inc. Slide fasteners. Re. 26,086, 9–20–66, Cl. 24—205.1.

Ruina, Irving. Visual card rotary index. 3,279,471, 10–18–66, Cl. 129—16.

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De Gier, Johannes, Nienhaus, and Ruis. 3,260,397.

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Ruiz, Marcial V. Flexible paddle rotative laundering machine. 3,276,228, 10–4–66, Cl. 68—89.

Rukavina, Frank, to Illinois Tool Works, Inc. Automatic rim rolling apparatus. 3,232,453, 2–1–66, Cl. 214—6.

Ruland, Robert R., to Timpte, Inc. Liquid proportioning apparatus. 3,263,932, 8–2–66, Cl. 239—304.

Rule, Clinton. Pumps for liquids. 3,256,828, 6–21–66, Cl. 103—87.

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Brown, Alvin E., Suellentrop, Rule, and Hodgson. 3,290,934.

Rule, Kenneth C.: *See*—
Bauer, William C., McCue, and Rule. 3,233,983.

Rule, Norman G., and L. Lorand, to Northwestern University. Agmatine derivatives. 3,290,339, 12–6–66, Cl. 260—397.7.

Rulf, Elmer G., to Eldon Mfg. Co. Knock down cabinet. 3,240,545, 3–15–66, Cl. 312—264.

Rullson, Richard N., to Celanese Corp. of America. Spinning of high nitrogen content cellulose nitrate filaments. 3,256,-371, 6–14–66, Cl. 264—3.

Rullmann, Karl-Heinz: *See*—
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Rullman, Robert G.: *See*—
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Rulon, Richard M.: *See*—
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Rulon, Richard M., to Sylvania Electric Products Inc. Electroluminescent lamp with a barium titanate layer. 3,283,-194, 11-1-66, Cl. 313—108.
Rulon-Miller, Robert, and S. Ricklin, to Dixon Corp. Bearing composition. Re. 26,088, 9-20-66, Cl. 252—12.
Rulseh, Roger D., to American Machine & Foundry Co. Timer mechanism having cam-solenoid actuator and common coil for solenoid and motor. 3,272,931, 9-13-66, Cl. 200—35.
Rulseh, Roger D., and W. H. Pierson, to American Machine & Foundry Co. Appliance timer. 3,254,166, 5-31-66, Cl. 200—38.
Rulseh, Roger D., and W. H. Pierson, to American Machine & Foundry Co. Automatic and manual time switch. 3,260,-807, 7-12-66, Cl. 200—38.
Rumaner, Merwin B. Strap fastener. 3,249,975, 5-10-66, Cl. 24—188.
Rumaner, Merwin B. Ski locking means. 3,272,526, 9-13-66, Cl. 280—11.37.
Rumaner, Merwin B. Safety ski binding. 3,284,092, 11-8-66, Cl. 280—11.35.
Rumanowski, Edmund J.: *See*—
Gilbert, Everett E., and Rumanowski. 3,274,243.
Gilbert, Everett E., and Rumanowski. 3,285,936.
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Rumberg, Alfred, A. Scholl, K. Zager, W. Damagen, A. Kronberg, and E. Muller, to Knapsack Aktiengesellschaft. Heat insulating ceiling for electrothermal-furnaces. 3,293,-346, 12-20-66, Cl. 13—9.
Rumberger, George G., to Pateco. Magnetically orientable wrapping materials and method of making and using same. 3,237,973, 3-1-66, Cl. 283—62.
Rumberger, George G., to KVP Sutherland Paper Co. Wrapped unit provided with wrapper opening means. 3,239,128, 3-8-66, Cl. 229—51.
Rumberger, George G., to KVP Sutherland Paper Co. Wax compositions and coated articles. 3,271,177, 9-6-66, Cl. 106—272.
Rumberger, George G., to Brown Co. Metal surface treatment. 3,284,248, 11-8-66, Cl. 148—6.
Rumberger, George G., to Brown Co. Microcrystalline wax substitute. 3,284,279, 11-8-66, Cl. 161—235.
Rumberger, George G., to Brown Co. Heat sealable containers. 3,286,906, 11-22-66, Cl. 229—37.
Rumberger, George G., to KVP Sutherland Paper Co. Method of sealing containers with laminated closures. 3,290,856, 12-13-66, Cl. 53—39.
Rumberger, George G., to Brown Co. Modified starch composition. 3,293,057, 12-20-66, Cl. 106—212.
Rumble, Dale H., to International Business Machines Corp. Detection of bi-phase digital signals. 3,244,986, 4-5-66, Cl. 328—140.
Rumble, Dale H., to International Business Machines Corp. Waveform converter. 3,267,298, 8-16-66, Cl. 307—88.5.
Rumble, Dale H., to International Business Machines Corp. Data transmission system for distinctively modulating given datum bits for parity checking. 3,278,898, 10-11-66, Cl. 340—146.1.
Rumble, Dale H., and H. R. Ulander, to International Business Machines Corp. Demodulation system. 3,271,742, 9-6-66, Cl. 340—167.
Ruminsky, Paul P.: *See*—
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Ruminsky, Paul P., ½ to H. C. Brauchla. Screw strip driving gun. 3,258,042, 6-28-66, Cl. 144—32.
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Rossle, Heinz, Kasper, and Rumler. 3,290,566.
Rummel, Theodor: *See*—
Grabmaier, Josef, and Rummel. 3,242,018.
Quast, Hans-Friedrich, and Rummel. 3,232,716.
Rummel, Theodor, to Siemens & Halske Aktiengesellschaft. Apparatus for pulling rod-shaped crystals of semiconductor material from a melt in a crucible. 3,259,467, 7-5-66, Cl. 23—273.
Rummel, Theodor, to Siemens & Halske Aktiengesellschaft. Method of eliminating semiconductor material precipitated upon a heater in epitaxial production of semiconductor members. 3,271,209, 9-6-66, Cl. 148—175.
Rummel, Theodor, H. Kniepkamp, and R. Emels, to Siemens & Halske Aktiengesellschaft. Producing rod-shaped semiconductor crystals. 3,232,745, 2-1-66, Cl. 75—10.
Rummel, Theodor, H.-F. Quast, and J. Haus, to Siemens & Halske Aktiengesellschaft. Method for producing hyperpure silicon. 3,232,792, 2-1-66, Cl. 117—201.
Rummel, Theodor, and J. Dorner, to Siemens & Halske Aktiengesellschaft. Method of pulling a semiconductor crystal from a melt. 3,268,301, 8-23-66, Cl. 23—301.
Rummer, Heribert: *See*—
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Rümpelein, Fritz, and P. Kopf, to Agfa Aktiengesellschaft. Galvanometer coil assembly having a plastic coil frame. 3,273,061, 9-13-66, Cl. 324—151.
Rumpf, Jürg: *See*—
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Rumpp, Dietrich: *See*—
Reynolds, Roland B., Rumpp, and Trobaugh. 3,286,556.
Rumschedit, Gottfried E.: *See*—
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Rumsey, Herbert, Jr., to W. R. Grace & Co. Wrapper encased package. 3,231,083, 1-25-66, Cl. 206—56.
Rumsey, Rollin D., to Houdaille Industries, Inc. Temperature compensated viscous shear rotary damper. 3,228,494, 1-11-66, Cl. 188—90.
Rumsey, Rollin D., to Houdaille Industries, Inc. Rotary hydraulic shock absorber. 3,237,728, 3-1-66, Cl. 188—93.
Rumsey, Rollin D., to Houdaille Industries, Inc. Bearing and sealing means for a hydraulic buffer. 3,252,697, 5-24-66, Cl. 267—1.
Rumsey, Rollin D., to Houdaille Industries, Inc. Hydraulic buffer structure. 3,254,885, 6-7-66, Cl. 267—1.
Rumsey, Rollin D., to Houdaille Industries, Inc. Hydraulic buffer. 3,279,781, 10-18-66, Cl. 267—1.
Rumsey, Rollin D., to Houdaille Industries, Inc. Piston-lever rotary actuators for hatch covers and the like. 3,288,202, 11-29-66, Cl. 160—188.
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Runde, Byron A., and E. Boyer, to Burroughs Corp. Vibration and shock insulating sprocket. 3,257,860, 6-28-66, Cl. 74—243.
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Rundle, Victor A., and C. E. Warson, to Chevron Research Co. Pipe repair process. 3,227,572, 1-4-66, Cl. 117—2.
Rungaldier, Karl, and E. Braun, to Patentauswertung Vogelbusch Gesellschaft m.b.H. Method of destroying foam in fermenters. 3,249,515, 5-3-66, Cl. 195—107.
Runge, Gerhard, and W. Degenhardt, to Vereinigte Flugtechnische Werke Gesellschaft mit beschrankter Haftung. Loading pallets. 3,277,848, 10-11-66, Cl. 108—55.
Runge, Richard J., A. E. Worthington, and S. H. Yungul, to Chevron Research Co. Method of detecting geologically anomalous bodies lateral to a well bore by comparing electrical resistivity measurements made using short-spaced and long-spaced electrode systems. 3,256,480, 6-14-66, Cl. 324—10.
Runge, Thomas M. Aircraft wing and means to reduce stalling tendency of wing and to facilitate recovery from stalling. 3,281,095, 10-25-66, Cl. 244—42.
Runge, Wallace F., to Commercial Solvents Corp. Process for the separation and recovery of hydroxylammonium salt. 3,271,105, 9-6-66, Cl. 23—87.
Runge, Walter J., to The Regents of the University of Minnesota. Actinic radiation protection by compositions comprising quinones and carbonyl containing compounds. 3,272,713, 9-13-66, Cl. 167—90.
Runkle, Henry B., Sr.: *See*—
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Runkle, Raymond B., to Hexcel Products Inc. Resistance welded honeycomb core and method of and machine for making same. 3,283,118, 11-1-66, Cl. 219—79.
Runkle, William J.: *See*—
Anderson, John E., and Runkle. 3,238,349.
Runman, Smil, to Raytheon Co. Recording and reproducing circuit. 3,228,010, 1-4-66, Cl. 340—173.
Runnells, David L., Jr.: *See*—
Harrington, John A., Broersma, Runnells, and Johnson. 3,276,058.
Runnells, David L., Jr., J. K. Lampe, R. J. Broersma, J. A. Harrington, and V. W. Krause, to Wolverine Shoe & Tanning Corp. Skinning machine having automatic blade pitch control. 3,249,139, 5-3-66, Cl. 146—130.
Runnells, David L., Jr., R. J. Broersma, and V. W. Krause, to Wolverine Shoe & Tanning Corp. Skinning method. 3,255,485, 6-14-66, Cl. 17—45.
Runnels, George W., Jr., to Talon, Inc. Apparatus for attaching end stop members to continuous fastener length chain. 3,233,810, 2-8-66, Cl. 227—7.
Runnion, Ernest E. Production of dimensional lumber from small-diameter logs. 3,259,157, 7-5-66, Cl. 144—312.
Runser, August. Toy building kit. 3,228,137, 1-11-66, Cl. 46—29.
Runton, Leslie A., to J. P. Stevens & Co., Inc. Stretchable wool and wool-blend fabrics. 3,266,865, 8-16-66, Cl. 8—128.
Runton, Leslie A., to J. P. Stevens & Co., Inc. Process of producing wool fabrics exhibiting unidirectional stretch. 3,281,205, 10-25-66, Cl. 8—128.
Runyan, Doward L., to Chrysler Corp. Axle construction. 3,283,843, 11-8-66, Cl. 180—88.
Runyan, Raymond A., to Data-Control Systems, Inc. Phase detector-modulator. 3,245,006, 4-5-66, Cl. 332—43.
Runyan, Raymond A., to Data-Control Systems, Inc. Frequency modulated oscillator. 3,253,237, 5-24-66, Cl. 332—16.
Runyon, John R. Automatic charging system for electric storage devices. 3,278,824, 10-11-66, Cl. 320—29.
Ruocchio, Albert C.: *See*—
Mazure, Alexander, Ruocchio, Stickler, Tate, and Van Gieson. 3,293,555.

Rupert, Richard, to Continental Reflectors, Inc. Molding apparatus for reflecting devices. 3,277,535, 10-11-66, Cl. 18—44.
Rupert, William B., Jr., and J. S. Shoup, to United States Bulk Handling and Container Co. Collapsible container. 3,255,927, 6-14-66, Cl. 222—143.
Ruple, Charles A. Dead end anchor for high voltage cables. 3,238,290, 3-1-66, Cl. 174—79.
Ruple, Lewis H., to Abbey Etna Machine Co. Upper weld pressure roll assembly. 3,258,952, 7-5-66, Cl. 72—225.
Ruple, Lewis H., to Abbey Etna Machine Co. Seam gulde assembly for welded tube mills. 3,266,703, 8-16-66, Cl. 228—49.
Rupli, Richard G., to Owens-Illinois Glass Co. Apparatus for blowing and cooling glassware. 3,235,353, 2-15-66, Cl. 65—262.
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Otto, Harry, Buchholz, and Rupnow. 3,229,806.
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Allen, Lloyd R., Rupp, and Stauffer. 3,293,076.
Rupp, Warren E., S. B. McFarlin, and C. E. Young, Jr., to The Gorman-Rupp Co. Centrifugal pump. 3,279,386, 10-18-66, Cl. 103—103.
Rupp, Werner M., to United States of America, Army. Bridge-type parametric frequency multiplier. 3,278,830, 10-11-66, Cl. 321—69.
Rupp, William C., to The Chandler & Price Co. Hydraulic paper cutting machine with mechanical means to hold knife inoperative. 3,233,492, 2-8-66, Cl. 83—644.
Rupp, William C., to The Chandler & Price Co. Knife adjusting means for paper cutting machines. 3,233,494, 2-8-66, Cl. 83—700.
Rupp, William C., to The Chandler & Price Co. Clamp operating mechanism for paper cutting machines and the like. 3,289,514, 12-6-66, Cl. 83—459.
Rupp, William L., to Hoover Ball and Bearing Co. Push button flush mechanism. 3,234,566, 2-15-66, Cl. 4—67.
Ruppe, Peter P. Apparatus for surface finishing articles. 3,246,429, 4-19-66, Cl. 51—7.
Ruppe, Peter P. Method of surface finishing articles. 3,290,-836, 12-13-66, Cl. 51—317.
Ruppert, John A., and P. M. Sullivan, to United States of America, Interior. Recovery of zinc from zinc die-cast scrap. 3,273,995, 9-20-66, Cl. 75—63.
Ruppin, Dietrich: *See*—
Hertel, Heinrich, and Ruppin. 3,269,167.
Rupprecht, Georg, to Raytheon Co. Ferroelectric signal-translating device having voltage-controlled signal delay. 3,245,-011, 4-5-66, Cl. 333—31.
Rupprecht, Joachim, to Siemens Schuckertwerke Aktiengesellschaft. Silver and copper halide doped Bi_2Te_3-As_2Se_3 thermoelectric material. 3,258,427, 6-28-66, Cl. 252—62.3.
Ruprecht, William J., E. and R. Mowatt-Larssen, to ACF Industries Inc. Railway car. 3,230,900, 1-25-66, Cl. 105—368.
Ruscetta, Ralph A.: *See*—
Reese, Morris T., and Ruscetta. 3,239,595.
Ruscetta, Ralph A., and A. L. Jenny, to General Electric Co. Electrical capacitor. 3,255,390, 6-7-66, Cl. 317—230.
Rusch, Adolphe, Jr., and G. J. Reilly, to United States of America, Army. Flat electrically conductive flexible cable. 3,257,500, 6-21-66, Cl. 174—116.
Rusch, Raymond: *See*—
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Rusche, Fredric. Coupled pile driving mandrel. 3,269,128, 8-30-66. Cl. 61—53.72.
Rusche, Fredric. Pile driving mandrel. 3,283,519. 11-8-66, Cl. 61—53.72.
Rusche, Fredric. Hollow pile driving mandrel. 3,269,127, 8-30-66, Cl. 61—53.72.
Ruschmann, Frederick H., to Kollsman Instrument Corp. Wobble motor for light tracker. 3,234,393, 2-8-66, Cl. 250—235.
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Ruscoe, W. J., Co.: *See*—
Clause, John W. 3,259,933.
Rush, Derek A., to S. Smith & Sons (England) Ltd. Electric position detection devices. 3,260,117, 7-12-66, Cl. 73—398.
Rush, Elmer H., to Shell Oil Co. Expendable pipeline plug. 3,250,113, 5-10-66, Cl. 73—3.
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Rush, James A., and S. G. Holt, to Consolidated Papers, Inc. Production of coated paper. 3,288,632, 11-29-66, Cl. 117—68.
Rush, John S. Method of and system for staging productions. 3,259,386, 7-5-66, Cl. 272—10.
Rush Metal Products, Inc.: *See*—
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Rush, Ralph A. Combination carrying case and protective hood. 3,275,106, 9-27-66, Cl. 190—1.
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Rushton, Frederick N., and R. S. Gladden, Jr., to Washington Aluminum Co., Inc. Water proof elevated floor. 3,290,844, 12-13-66, Cl. 52—461.
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Ruskin, Henry, to Swingline Inc. Blind clinch mechanism. 3,291,357, 12-13-66, Cl. 227—83.
Ruskin, Simon L., deceased (M. Reder and C. Fahrl, executors), and D. Ruskin. Process for the conversion of hydrogen. 3,228,868, 1-11-66, Cl. 204—309.
Rusnak, George A.: *See*—
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Russ, Daniel G. Method and apparatus for measuring thrust in jet-type engines. 3,233,451, 2-8-66, Cl. 73—116.
Russ, John: *See*—
Fehr, Isaac N., and Russ. 3,272,636.
Russ, John E. Well rotor. 3,236,320, 2-22-66, Cl. 175—263.
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Russell, Donald H., and A. E. Borchert, to The Atlantic Refining Co. Acrylic polymers containing 10-pinenylmethanol as processing aids for thermoplastic formulations. 3,267,-179, 8-16-66, Cl. 260—899.
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Russell, Frank H., to Bolton-Emerson, Inc. Jordan plug liner. 3,278,127, 10-11-66, Cl. 241—294.
Russell, Fred J., and G. B. Solovieff; said Solovieff assor. to said Russell. Swinging block-unblock means for thumbpiece actuated lock mechanism. 3,234,763, 2-15-66, Cl. 70—153.
Russell, Fred J., and G. B. Solovieff; said Solovieff assor. to said Russell. Thumbpiece actuated lock mechanism. 3,234,764, 2-15-66, Cl. 70—153.
Russell, Fred J., F. L. Jennie, and R. L. Armstrong; said Jennie and said Armstrong assors. to said Russell. Key actuated mechanism with temporary ball tumbler. 3,234,-768, 2-15-66, Cl. 70—383.
Russell, Fred J., and R. J. Nolin; said Nolin assor. to said Russell. Releasable retaining means for the reversible latch unit of a unit lock. 3,235,301, 2-15-66, Cl. 292—244.

Russell, Fred J., and R. J. Nolin, said Nolin assor. to said Russell. Snap-on strike box. 3,241,873, 3–22–66, Cl. 292—340.

Russell, Fred J., and R. J. Nolin, said Nolin assor. to said Russell. Plate with tab for retaining a unit lock in position on a door. 3 241,874, 3–22–66, Cl. 292—357.

Russell, Fred J., and R. J. Nolin, said Nolin assor. to said Russell. Method for preparing a door for installation of a unit lock. 3,256,918, 6–21–66, Cl. 144—326.

Russell, Fred J., and R. J. Nolin, said Nolin assor. to said Russell. Unit lock combination latch bolt and dead bolt retractor mechanism. 3,257,135, 6–21–66, Cl. 292—5.

Russell, Fred J., and R. J. Nolin, said Nolin assor. to said Russell. Reversible latch unit for a unit lock. 3,257,136, 6–21–66, Cl. 292—244.

Russell, Fred J., and G. B. Solovieff, said Solovieff assor. to said Russell. Spindle rotating means. 3,257,138, 6–21–66, Cl. 292—336.3.

Russell, Fred J., and R. J. Nolin, said Nolin assor. to said Russell. Adjustable strike. 3,257,139, 6–21–66, Cl. 292—341.18.

Russell, Fred J., and D. G. Stroh, said Stroh assor. to said Russell. Keyway stop. 3,276,233, 10–4–66, Cl. 70—382.

Russell, Fred J., and G. B. Solovieff; said Solovieff assor. to said Russell. Auxiliary retainer for removable core. 3,286,773, 11–22–66, Cl. 70—371.

Russell, Fred J., and G. B. Solovieff; said Solovieff assor. to said Russell. Low-friction retractor. 3,287,046, 11–22–66, Cl. 292—169.

Russell, Fred J., and G. B. Solovieff; said Solovieff assor. to said Russell. Low-friction retractor. 3,287,047, 11–22–66, Cl. 292—169.

Russell, Fred J., and G. B. Solovieff; said Solovieff assor. to said Russell. Spindle rotating pull means. 3,287,054, 11–22–66, Cl. 292—336.3.

Russell, Fred J., and G. B. Solovieff; assor. said Solovieff to said Russell. Plastic threaded hub with metal insert. 3,292,959, 12–20–66, Cl. 292—1.

Russell, Fred J., and P. Cirocco; said Cirocco assor. to said Russell. Multiple location boring jig. 3,293,954, 12–27–66, Cl. 77—62.

Russell, Frederick J.: *See*—
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Russell, George F.: *See*—
Mann, Julius W., and Russell. 3,244,850.

Russell, Glen A. Condensation reactions in dimethyl sulfoxide solution and sulfoxides. 3,256,340, 6–14–66, Cl. 260—607.

Russell, Glen A. Process of oxidation of organic compounds with molecular oxygen. 3,260,570, 7–12–66, Cl. 23—184.

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Russell, Gordon C., to Lockheed Aircraft Corp. Building of composite panels with interfitting posts and rotatable clamp type fasteners. 3,246,435, 4–19–66, Cl. 52—262.

Russell, Gordon C., to Lockheed Aircraft Corp. Clamp joint construction for prefabricated panels. 3,251,163, 5–17–66, Cl. 52—282.

Russell, Gordon D., and E. J. Skiejka, to Johnson & Johnson. Method for producing a decorative nonwoven fabric. 3,274,018, 9–20–66, Cl. 117—11.

Russell, Grover M., to Penn Control, Inc. Snap action electrical switch with adjustable differential action. 3,233,055, 2–1–66, Cl. 200—67.

Russell, Grover M., to Penn Controls, Inc. Snap-action switch. 3,255,639, 6–14–66, Cl. 74—96.

Russell, Harold D., and C. F. Amering, to Eastman Kodak Co. Roller transfer processing mechanism. 3,270,654, 9–6–66, Cl. 95—89.

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Russell, James P., to Air Reduction Co., Inc. Acetylenic ketones and methods of preparation. 3,235,602, 2–15–66, Cl. 260—596.

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Russell, John D., to Microdot Inc. Temperature compensated wire strain gage. 3,245,016, 4–5–66, Cl. 338—2.

Russell, John D., to Microdot Inc. Strain gages and manufacture of same. 3,245,017, 4–5–66, Cl. 338—2.

Russell, John D., to Microdot Inc. Strain gages. 3,245,018, 4–5–66, Cl. 338—5.

Russell, John D., to Conair, Inc. Material transporting device. 3,273,943, 9–20–66, Cl. 302—59.

Russell, John E. Automobile trailer hitch. 3,265,406, 8–9–66, Cl. 280—406.

Russell, John K. Captive closure cap. 3,282,478, 11–1–66, Cl. 222—542.

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Russell, Joseph L., and M. Becker, to Halcon International, Inc. Process for preparing a silicon carbide supported vanadium-containing oxidation catalyst. 3,288,724, 11–29–66, Cl. 252—443.

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Russell, Kenneth F., to Brogdex Co. Fruit treating apparatus and control means therefor. 3,279,423, 10–18–66, Cl. 118—6.

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Russell, Linus E., to Peters & Russell, Inc. Bumper element. 3,292,566, 12–20–66, Cl. 114—219.

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Russell, William N., A. H. Wiesner, and O. E. Snider, to Allied Chemical Corp. Continuous polymerization of e-caprolactam. 3,294,756, 12–27–66, Cl. 260—78.

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Russo, Benjamin J. Adjustable massage rollers in a massage machine. 3,289,673, 12–6–66, Cl. 128—57.

Russo, Carl J., and E. H. Shattuck, to Joseph Bancroft & Sons Co. Dye package. 3,234,627, 2–15–66, Cl. 28—21.

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Russo, Leonard, to United States Safety Pool Corp. Swimming pool. 3,242,503, 3–29–66, Cl. 4—172.

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Rusz, Tibor, ⅛ to L. M. Friedman, and ⅛ to S. Szekely. Method of and apparatus for controlling the proportion of a vapor in a gas stream. 3,251,361, 5–17–66, Cl. 128—188.

Rusz, Tibor, ⅛ to L. M. Friedman, and ⅛ to S. Szekely. Apparatus and method for monitoring the quantity of a constituent of a gas stream. 3,281,595, 10–25–66, Cl. 250—43.5.

Rutan, Gerald A., to Puregas Equipment Corp. Apparatus and method for drying a gaseous medium. 3,236,028, 2–22–66, Cl. 55—33.

Rutemiller, Herbert C., to Aluminum Co. of America. Galvanic anode and method of treating the same. 3,227,644, 1–4–66, Cl. 204—197.

Rutemiller, Herbert C., and A. M. Montgomery, to Aluminum Co. of America. Galvanic anode. 3,274,085, 9–20–66, Cl. 204—148.

Rutgers Research and Educational Foundation: *See*—
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Ruthner, Othmar. Installation for the artificial cultivation of plants, bacteria and other organisms. 3,254,448, 6–7–66, Cl. 47—1.2.

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Rutishauser, Donald E., and C. L. Walling, to Emhart Corp. Water cooling system for refrigerating fixtures, and fixture therefor. 3,230,732, 1–25–66, Cl. 62—255.

Rutishauser, Donald E., and C. L. Walling, to Emhart Corp. Refrigeration system and elements thereof. 3,230,733, 1–25–66, Cl. 62—256.

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Rutledge, Joseph P., to Stewart-Warner Corp. Heat exchanger. 3,289,757, 12–6–66, Cl. 165—166.

Rutledge, Thomas F., to Atlas Chemical Industries, Inc. Catalyzed urea alkylation. 3,280,186, 10–18–66, Cl. 260—553.

Rutschi, K., A.G.: *See*—
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Rutschmann, Jürg: *See*—
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Rutschmann, Jurg, and H. Kobel, to Sandoz Ltd. (also known as Sandoz A.G.). Microbiological process for producing ergobasine. 3,282,796, 11–1–66, Cl. 195—81.

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Rutt, Richard D., and A. C. Carlson, to The Carborundum Co. Grinding apparatus. 3,271,909, 9–6–66, Cl. 51—165.

Ruttan, James D., and H. C. Douglas. Etching apparatus for cylindrical printing plates. 3,232,814, 2–1–66, Cl. 156—345.

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Rutter, Donald E., to International Business Machines Corp. Document feeding device having clutch and brake means. 3,227,344, 1–4–66, Cl. 226—115.

Rutter, Donald P., to Johns-Manville Corp. Method and apparatus for the formation of folds in metal sheets. 3,269,164, 8–30–66, Cl. 72—294.

Rutter, Hans. Poultry watering trough with a freely suspended drinking vessel and an automatic filling valve. 3,283,746, 11–8–66, Cl. 119—81.

Rutter, Harvey M. Transducer. 3,272,281, 9–13–66, Cl. 181—31.

Rutty, Edward C., to The Stanley Works. Knot. 3,227,479, 1–4–66, Cl. 289—1.2.

Rutty, Edward C., to The Stanley Works. Strap tensioning device with extensometer. 3,232,583, 2–1–66, Cl. 254—51.

Rutty, Edward C., to The Stanley Works. Seal for strapping and the like. 3,261,063, 7–19–66, Cl. 24—23.

Rutz, Leon E., to Houdaille Industries, Inc. Horn press. 3,288,010, 11–29–66, Cl. 83—191.

Rutz, Richard F.: *See*—
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Rutz, Richard F., to International Business Machines Corp. Four terminal electro-optical semiconductor device using light coupling. 3,229,104, 1–11–66, Cl. 250—211.

Rutz, Richard F., to International Business Machines Corp. Formation of small area junction devices. 3,248,614, 4–26–66, Cl. 317—234.

Rutz, Richard F., to International Business Machines Corp. Ocsillator apparatus utilizing Esaki diode. 3,249,891, 5–3–66, Cl. 331—107.

Rutz, Richard F., to International Business Machines Corp. High-gain photon-coupled semiconductor device. 3,278,814, 10–11–66, Cl. 317—235.

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Fullerton, John R., and Leech. 3,227,852.
Chatelain, Maurice G. 3,283,330.
Girard, Peter F. 3,269,674.
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James, Harry A. 3,273,828.
Stanley, Oliver C. 3,274,494.
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Ryan, Arthur B., to The Gleason Works. Gear planing tool and support therefor. 3,267,554, 8–23–66, Cl. 29—102.

Ryan, Danahey, to E. I. du Pont de Nemours and Co. Method and apparatus for splicing indefinite length webs. 3,227,-594, 1–4–66, Cl. 156—159.

Ryan, Danahey, to E. I. du Pont de Nemours and Co. Winding apparatus. 3,228,621, 1–11–66, Cl. 242—64.

Ryan, Danahey, to E. I. du Pont de Nemours and Co. Method and apparatus for severing a moving web. 3,272,043, 9–13–66, Cl. 83—24.

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Ryan, Francis B. Coulter spring trash holder. 3,260,316, 7–12–66, Cl. 172—516.

Ryan, Frank D., to Bell & Howell Co. Student workbook having one or more pages comprising separably joined cards. 3,280,481, 10–25–66, Cl. 35—35.

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Ryan, Joan W. Walking toy. 3,243,916, 4–5–66, Cl. 46—150.

Ryan, John C. Electrical control circuit. 3,233,153, 2–1–66, Cl. 317—148.5.

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Ryan, John R.: *See*—
Searight, Charles E., Alexander, and Ryan. 3,293,051.
Searight, Charles E., Alexander, Ryan, and Labino. 3,294,558.
Searight, Charles E., Alexander, Ryan, and Labino. 3,294,559.

Ryan, John W., to Mattel, Inc. Musical mechanism and game apparatus. 3,228,695, 1–11–66, Cl. 273—143.

Ryan, John W., to Mattel, Inc. Animated speaking figure toy. 3,230,665, 1–25–66, Cl. 46—118.

Ryan, John W., to Mattel, Inc. Remote control apparatus for talking doll. 3,234,686, 2–15–66, Cl. 46—99.

Ryan, John W., to Mattel, Inc. Doll construction for natural movements and positions. 3,234,689, 2–15–66, Cl. 46—161.

Ryan, John W., to Mattel, Inc. Device for simulating motor sounds in a wheeled toy. 3,236,008, 2–22–66, Cl. 46—191.

Ryan, John W. Speaking doll and phonograph device therefor. 3,245,688, 4–12–66, Cl. 274—1.

Ryan, John W., to Mattel, Inc. Toy dumping mechanism. 3,260,013, 7–12–66, Cl. 46—40.

Ryan, John W., to Mattel, Inc. Baby doll burp mechanism. 3,260,015, 7–12–66, Cl. 46—117.

Ryan, John W., to Mattel, Inc. Adjustable tricycle. 3,264,-011, 8–2–66, Cl. 280—275.

Ryan, John W., to Mattel, Inc. Animated sounding figure toy. 3,264,778, 8–9–66, Cl. 46—118.

Ryan, John W., to Mattel, Inc. Arrangement disguising a toy cap gun. 3,267,600, 8–23–66, Cl. 42—54.

Ryan, John W., to Mattel, Inc. Walking toy. 3,267,607, 8–23–66, Cl. 46—247.

Ryan, John W., to Mattel, Inc. Walking toy. 3,267,608, 8–23–66, Cl. 46—247.

Ryan, John W. Doll having an angularly adjustable limb. 3,277,601, 10–11–66, Cl. 46—161.

Ryan, John W. Toy detonating unit. 3,277,603, 10–11–66, Cl. 46—196.

Ryan, John W., to Mattel, Inc. Toy sound device adapted to actuate a resonator by repetitive shock excitation. 3,286,393, 11–22–66, Cl. 46—111.

Ryan, John W., to Mattel, Inc. Device for simulating motor sounds. 3,286,395, 11–22–66, Cl. 46—192.

Ryan, John W., to Mattel, Inc. Toy sound device adapted to actuate a resonator by a cyclic series of impulses. 3,286,396, 11–22–66, Cl. 46—232.

Ryan, John W., to Mattel, Inc. Animated talking doll. 3,293,-794, 12–27–66, Cl. 46—118.

Ryan, John W., to Mattel, Inc. Animated speaking figure toy. 3,293,795, 12–27–66, Cl. 46—118.

Ryan, John W., H. W. La Branche, R. L. May, and C. F. Adickes, Jr., to Mattel, Inc. Invertible timing device. 3,230,697, 1–25–66, Cl. 58—144.

Ryan, John W., and W. D. Kabot, to Mattel, Inc. Toy printing machine. 3,267,850, 8–23–66, Cl. 101—232.

Ryan, John W., and C. B. Sloop, to Mattel, Inc. Play instrument for games of intrigue. 3,282,253, 11–1–66, Cl. 120—1.

Ryan, John W., and C. B. Sloop. Code game. 3,287,825, 11–29–66, Cl. 35—2.

Ryan, Joseph D.: *See*—
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Ryan, Joseph D., and P. T. Mattimoe, to Libbey-Owens-Ford Glass Co. Method of fabrication of laminated structures. 3,272,900, 9–13–66, Cl. 264—135.

Ryan, Joseph H., Jr., to E. I. du Pont de Nemours and Co. Package. 3,231,079, 1–25–66, Cl. 206—46.

Ryan, Joseph J. Razor having hair trimming means. 3,284,-894, 11–15–66, Cl. 30—29.5.

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Ryan, L. D.: *See*—
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Mallory, James D., and Ryan. 3,262,828.

Ryan, Patrick W., to Sinclair Research, Inc. Method for converting C_8 and higher aliphatic hydrocarbons to aromatics using as catalyst a free aikali metal on a carrier. 3,240,832, 3–15–66, Cl. 260—673.5.

Ryan, Patrick W., to Sinclair Research, Inc. Process for converting high molecular weight paraffins to lower molecular weight paraffins of high octane value. 3,242,222, 3–22–66, Cl. 260—676.

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Ryan, Robert G., to The Parker Pen Co. Writing instrument. 3,261,326, 7–19–66, Cl. 120—42.4.

Ryan Thermometer Co.: *See*—
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Ryan, Thomas J.: *See*—
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Ryan, Thomas J., to United States of America, Navy. Telemetering system with automatic scan for monitoring plural inputs. 3,267,449, 8–16–66, Cl. 340—213.

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Ryan, William H., and L. D. Taylor, to Polaroid Corp. Photographic products. 3,262,781, 7–26–66, Cl. 96—76.

Rybak, Boris, to Laboratoires Houde. Therapeutic compositions and methods for treating coronary affections. 3,276,-957, 10–4–66, Cl. 167—65.

Rychlewski, Thaddeus V., to Sylvania Electric Products Inc. Electroluminescent photographic reproduction device. 3,233,247, 2–1–66, Cl. 346—107.

Rychlewski, Thaddeus V., to Sylvania Electric Products Inc. Electronic switching tube. 3,290,531, 12–6–66, Cl. 313—69.

Rychlik, Frank J., to Outboard Marine Corp. Engine. 3,240,-194, 3–15–66, Cl. 123—65.

Rychly, Peter, to Shell Oil Co. Protecting plastic liners against blistering. 3,279,889, 10–18–66, Cl. 23—25.

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Ryder, Richard E., Jr., and R. E. Ryder. Apparatus for processing materials. 3,283,362, 11–8–66, Cl. 18—1.

Rydinger, Mats, B. Fredriksson, and J. Blaus, to Allmann Svenska Elektriska Aktiebolaget. Heating means. 3,249,-676, 5–3–66, Cl. 13—26.

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Rye, Grover W., to The Goodyear Tire & Rubber Co. Method and apparatus for measuring properties of reinforcement cords. 3,280,617, 10–25–66, Cl. 73—15.6.

Rye, Grover W., and W. D. Havens, to The Goodyear Tire & Rubber Co. Adhesive composition comprising the reaction product of polyisocyanate and a formaldehyde condensate. 3,268,467, 8–23–66, Cl. 260—29.3.

Rye, John F. Sport car rally computer. 3,231,187, 1–25–66, Cl. 235—61.

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Rylander, Paul N., and N. G. Himelstein, to Engelhard Industries, Inc. Hydrogenation of alpha,beta-unsaturated aldehydes to alpha,beta-unsaturated alcohols. 3,284,517, 11–8–66, Cl. 260—638.

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Rymer, Jesse T., and S. P. Witchell, to Coopers Mechanical Joints Ltd. Filtering systems and filters for use therein. 3,234,714, 2–15–66, Cl. 55—294.

Rynearson, Fred L. Adjustable hanger. 3,251,569, 5–17–66, Cl. 248—31.

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Rys, Tadeusz J., and H. I. Stanback, to Square D Co. Electrical switch with interlocking mechanism. 3,240,888, 3–15–66, Cl. 200—50.

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Ryskamp, Neil J., to Allis-Chalmers Mfg. Co. Seat actuated vehicle brake mechanism. 3,259,203, 7–5–66, Cl. 180—82.

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Clements, Herbert A. 3,272,295.
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Saad Chujfi, Alvaro. Reversible jean. 3,234,564, 2–15–66, Cl. 2—227.
Saad, Michel A. Apparatus for cleaning tanks. 3,255,969, 6–14–66, Cl. 239—227.
Saad, Michel A. Tank cleaning apparatus. 3,255,970, 6–14–66, Cl. 239—227.
Saad, Michel A. Apparatus for cleaning tanks. 3,275,241, 9–27–66, Cl. 239—227.
Saar, Werner, E. N. Petersen, and W. Irion, to Phrix-Werke Aktiengesellschaft. Preparation of acrylonitrile fibers from sulphuric acid solutions containing soluble sulfates and amides. 3,251,796, 5–17–66, Cl. 260—29.6.
Saari, Oliver E., to United States of America, Navy. Submarine-type whip antenna designed for fully loaded and deflected condition. 3,229,296, 1–11–66, Cl. 343—709.
Saari, Oliver E., to Illinois Tool Works Inc. Spin limiting differential. 3,292,456, 12–20–66, Cl. 74—711.
Saari, Veikko R., to Bell Telephone Laboratories, Inc. Stabilized non-linear feedback amplifier. 3,252,007, 5–17–66, Cl. 307—88.5.
Saari, Veikko R., to Bell Telephone Laboratories, Inc. Capacitor coupled feedback amplifier. 3,260,950, 7–12–66, Cl. 330—28.
Saas, Francis A.: *See*—
Szasz, Frank. 3,234,069.
Sabaka, George. Dispensing closure. 3,261,504, 7–19–66, Cl. 222—83.
Sabat, Arthur G., to Eaton Mfg. Co. Combination fan and water pump drive. 3,272,188, 9–13–66, Cl. 123—41.11.
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Digby, James J., Sabatini, and Giometti. 3,247,727.
Sabatino, Anthony, to Globe-Union Inc. Storage battery construction. 3,242,012, 3–22–66, Cl. 136—134.
Sabatino, Anthony, to Globe-Union Inc. Grid for battery plates. 3,249,981, 5–10–66, Cl. 29—2.
Sabatino, Anthony, to Globe-Union Inc. Vent cap. 3,253,963, 5–31–66, Cl. 136—177.
Sabatino, Anthony, and P. V. Lowe, to Globe-Union Inc. Method of making storage battery elements. 3,229,339, 1–18–66, Cl. 22—203.
Sabatino, Anthony, and P. V. Lowe, to Globe-Union Inc. Method of making battery elements. 3,238,579, 3–8–66, Cl. 22—203.
Sabatino, Anthony, R. A. Buttke, and P. V. Lowe, to Globe-Union Inc. Machine for making storage battery elements. 3,253,306, 5–31–66, Cl. 22—58.
Sabatino, Anthony, R. E. Hoffmann, and R. R. Wiethaup, to Globe-Union Inc. One piece battery cover. 3,276,913, 10–4–66, Cl. 136—170.
Sabatino, Anthony, R. A. Buttke, and P. V. Lowe, to Globe-Union Inc. Apparatus for aligning the plates and separators of a battery stack. 3,294,258, 12–27–66, Cl. 214—6.
Sabatiuk, Andrew, to Curtiss-Wright Corp. Liquid metal rotary heat exchanger. 3,266,564, 8–16–66, Cl. 165—86.
Sabatiuk, Andrew, to Curtiss-Wright Corp. Gas turbine engine with compressor and turbine passages in a single rotor element. 3,269,120, 8–30–66, Cl. 60—39.43.
Sabbagh, John W.: *See*—
Rachel, Frank R., and Sabbagh. 3,246,445.
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Magat, Michel, Chapiro, and Sabban. 3,252,880.
Sabbioni, Franco: *See*—
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Sabee, Lois E. Disposable garment. 3,230,546, 1–25–66, Cl. 2—114.
Sabet, Huschang. Rotary internal combustion engine. 3,280,803, 10–25–66, Cl. 123—11.
Sabin, Bryon J. Method of producing light modulators. 3,261,768, 7–19–66, Cl. 204—6.
Sabin, Darrel B. Position indicating apparatus. 3,281,844, 10–25–66, Cl. 343—112.
Sabin, Raymond H., to McDowell-Wellman Engineering Co. Rotary railroad car dumper car clamp latch. 3,232,459, 2–1–66, Cl. 214—55.
Sabin, Raymond H., and E. E. Cheek, to McDowell-Wellman Engineering Co. Rotary railroad car dumper. 3,275,169, 9–27–66, Cl. 214—55.
Sabin, Robert J., J. I. Rivera, Jr., and L. E. Tatreault, to United States of America, Navy. Simulated doppler target. 3,277,476, 10–4–66, Cl. 343—17.7.
Sabisky, Edward S., and H. J. Gerritsen, to Radio Corp. of America. Doubly doped titanium dioxide maser element. 3,275,538, 9–27–66, Cl. 252—62.3.
Sable, Arthur J.: *See*—
Gold, Nicholas, Mossman, and Sable. 3,250,202.
Gold, Nicholas, and Sable. 3,266,404.
Gold, Nicholas, and Sable. 3,283,688.
Mason, Paul B., Rubinstein, and Sable. 3,270,652.
Sable, Arthur J., to Polaroid Corp. Photographic processing apparatus and method. 3,245,335, 4–12–66, Cl. 95—89.
Sable, Arthur J., to Polaroid Corp. Photographic product. 3,246,739, 4–19–66, Cl. 206—56.
Sable, Arthur J., to Polaroid Corp. Photographic apparatus. 3,253,530, 5–31–66, Cl. 95—75.
Sable, Arthur J., to Polaroid Corp. Photographic product and process. 3,253,916, 5–31–66, Cl. 96—29.
Sable, Arthur J., and R. G. Yetman, to Polaroid Corp. Photographic apparatus. 3,266,405, 8–16–66, Cl. 95—89.
Sable, Carl S. Marine propulsion apparatus. 3,289,628, 12–6–66, Cl. 115—37.
Sabo, Stephen C., and J. L. Rehman, to The Akron Standard Mold Co. Tire building apparatus. 3,244,575, 4–5–66, Cl. 156—401.
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Sabol, Victor F.: *See*—
Spisak, Raymond J., and Sabol. 3,254,190.
Saboulard, Serge: *See*—
Constant, Maurice C., and Saboulard. 3,251,083.
Sabouni, Babidj B. Concrete products and methods for making same. 3,247,294, 4–19–66, Cl. 264—42.
Sabrsula, Louis A. Sinker for fishing lines. 3,271,892, 9–13–66, Cl. 43—42.03.
Saburi, Akio, to Nippon Electric Co. Ltd. Microwave electronic tube. 3,289,033, 11–29–66, Cl. 315—5.
Saburi, Osamu, to Murata Mfg. Co., Ltd. Capacitor comprising an N-type semiconductor metallic oxide and a layer of compensated material. 3,268,783, 8–23–66, Cl. 317—237.
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Sacchetti, Robert A. and J. A. 3,241,712.
Sacchetti, Robert A. and J. A.; said R. A. Sacchetti assor. to said J. A. Sacchetti. Pill dispensing bottle closure. 3,241,712, 3–22–66, Cl. 221—265.
Sacchini, Columbus R., to Cooper-Bessemer Corp. Controlled torque tool. 3,253,662, 5–31–66, Cl. 173—12.
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Sacco, Victor. 3,229,853.
Sacco, Victor, ½ to J. Sacco. Liquid delivering and metering apparatus. 3,229,853, 1–18–66, Cl. 222—66.
Sacer, Joze, to Brown, Boveri & Cie, Aktiengesellschaft. Arc arresting spark gap assembly for lightning arresters. 3,273,010, 9–13–66, Cl. 315—36.
Sachi, Leonard W.: *See*—
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Peterson, Stanley G., and Sachi. 3,293,097.
Sachleben, Harold G., to Honeywell Inc. Instrument. 3,283,335, 11–1–66, Cl. 346—145.

Sachnik, Norman H., to Texsteam Corp. Pig handling valve. 3,265,083, 8–9–66, Cl. 137—268.
Sachnik, Norman H., to Texsteam Corp. Pipeline sampler. 3,282,113, 11–1–66, Cl. 73—422.
Sachs, Charles M., to Sarong, Inc. Distributed pressure brassiere. 3,256,886, 6–21–66, Cl. 128—483.
Sachs, Charles M., to International Latex Corp. Brassiere. 3,266,495, 8–16–66, Cl. 128—479.
Sachs, Hans W. Articulated catenary return drying tunnel with twin suction blanket drive. 3,230,634, 1–25–66, Cl. 34—52.
Sachs, Hans W. Apparatus for drying continuous lengths of film or paper or the like. 3,237,316, 3–1–66, Cl. 34—115.
Sachs, Harold L., to The Perkin-Elmer Corp. Star tracking system. 3,259,751, 7–5–66, Cl. 250—236.
Sachs, John P.: *See*—
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Sachs, John P., H. E. Kasting, and A. E. Ericson, to Union Carbide Corp. Plastic film welding process and apparatus. 3,272,674, 9–13–66, Cl. 156—282.
Sachs, Leonard W., to Sachs Safety Razor Co., Inc. Plastic disposable safety razor having separable parts releasably secured together. 3,274,683, 9–27–66, Cl. 30—51.
Sachs, Louis. Surgical mask. 3,288,138, 11–29–66, Cl. 128—139.
Sachs Safety Razor Co., Inc.: *See*—
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Sachtler, Wolfgang M. H., H. H. Voge, and L. B. Ryland, to Shell Oil Co. Oxidation of acrolein or methacrolein to the corresponding acid in the presence of an Sn-Sb-Mo catalyst. 3,259,652, 7–5–66, Cl. 260—530.
Sack, Edgar A., to Westinghouse Electric Corp. Apparatus for fire detection and alarm. 3,246,311, 4–12–66, Cl. 340—228.
Sack, Edgar A., to Westinghouse Electric Corp. Electroluminescent-ferroelectric display with feedback control. 3,252,048, 5–17–66, Cl. 315—169.
Sack, Edgar A., to United States of America, Navy. Electroluminescent display screen and circuit therefor. 3,290,554, 12–6–66, Cl. 315—169.
Sack, Edgar A., Jr., to Westinghouse Electric Corp. Semiconductor-controlled, direct current responsive electroluminescent phosphors. 3,254,267, 5–31–66, Cl. 315—169.
Sack, Joseph, to Print & Plastics (Proprietary) Ltd. Bookbinding. 3,284,102, 11–8–66, Cl. 281—21.
Sackett, A. J., & Sons Co.: *See*—
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Sackett, Walter J., Sr. 3,239,314.
Sackett, Walter J., Sr. 3,272,596.
Sackett, Donald W.: *See*—
Jensen, Robert P., and Sackett. 3,289,343.
Sackett, Walter J., to The A. J. Sackett & Sons Co. Screen classifier with brush cleaners. 3,246,754, 4–19–66, Cl. 209—316.
Sackett, Walter J., Sr. Apparatus for weighing, mixing and delivering bulk fertilizer material. 3,233,873, 2–8–66, Cl. 259—11.
Sackett, Walter J., Sr., to The A. J. Sackett & Sons Co. Ammoniator-granulator system for separating classes of granules. 3,239,314, 3–8–66, Cl. 23—259.1.
Sackett, Walter J., Sr. Compounding and blending apparatus. 3,259,375, 7–5–66, Cl. 259—180.
Sackett, Walter J., Sr. Bulk blending plant. 3,270,896, 9–6–66, Cl. 214—2.
Sackett, Walter J., Sr., to A. J. Sackett & Sons Co. Apparatus for manufacturing fertilizer. 3,272,596, 9–13–66, Cl. 23—259.1.
Sackett, Walter J., Sr. Ammoniated fertilizer manufacturing apparatus and system. 3,285,704, 11–15–66, Cl. 23—259.1.
Sackett, Willard A., to Spreckels Sugar Co. Apparatus for separating finely divided solid materials from liquids. 3,270,886, 9–6–66, Cl. 210—189.
Sackett, William M.: *See*—
Newton, George R., and Sackett. 3,239,666.
Sackinger, William M., to Zenith Radio Corp. D.C. pumped crossed-field type of parametric amplifier. 3,234,476, 2–8–66, Cl. 330—4.7.
Sackl, Johann. Belt pulley with infinitely variable diameter. 3,279,271, 10–18–66, Cl. 74—230.23.
Sackler, Albert A., R. J. Enyeart, and S. G. Taylor, to Consolidated Diesel Electric Corp. Castering mechanism. 3,276,788, 10–4–66, Cl. 280—80.
Sackler, Arthur M. Brain and nervous system model. 3,271,879, 9–13–66, Cl. 35—17.
Sackler, Arthur M. Model of life form. 3,271,880, 9–13–66, Cl. 35—17.
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Sada, Tomohiko, and M. Nishida, to Sony Corp. Magnetic recording medium with self-contained lubricant. 3,274,111, 9–20–66, Cl. 252—62.5.
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Vedvik, Andrew H., Jellings, and Sadeski. 3,283,899.
Sadle, Alexander, to Allied Chemical Corp. N-(β-substituted ethyl)-isocyanurates. 3,235,553, 2–15–66, Cl. 260—248.
Sadler, Albert J., to Associated Electrical Industries Ltd. Manufacture of silicon controlled rectifiers. 3,239,392, 3–8–66, Cl. 148—177.
Sadler, Fred S.: *See*—
Brummet, Berthal D., and Sadler. 3,230,170.
Sadler, Fred S., to McGraw-Edison Co. Thermally stabilized cellulose materials. 3,230,107, 1–18–66, Cl. 117—143.
Sadler, Harry B. Device for sealing, opening, measuring and dispensing flowable substances from a container. 3,227,330, 1–4–66, Cl. 222—427.
Sadler, Harry J., E. E. Cook, and R. F. Rasmussen, to Hypro, Inc. Piston type pump. 3,238,890, 3–8–66, Cl. 103—171.
Sadler, Harry J., and E. E. Cook, to Hypro Inc. Coupler for power take-off. 3,260,541, 7–12–66, Cl. 287—53.
Sadler, James E., to International Harvester Co. Cotton picker doffer. 3,256,682, 6–21–66, Cl. 56—41.
Sadler, James E., and A. R. Brandt, to International Harvester Co. Molded elastomer doffer. 3,277,639, 10–11–66, Cl. 56—41.
Sadler, James C. Vehicle haulage body and load ejector mechanism. 3,240,370, 3–15–66, Cl. 214—83.18.
Sadler, James T., to Sperry Rand Corp. Method of manufacturing a multi-cavity electron beam tube, the tube comprising multiple resonator modules. 3,292,239, 12–20–66, Cl. 29—155.5.
Sadler, John A.: *See*—
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Sadler, John A., to Chubb-Mosler and Taylor Safes Ltd. Alarm system. 3,266,031, 8–9–66, Cl. 340—276.
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Sadler, Peter W.: *See*—
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Sadler, Thomas H., and G. P. Reimschussel, to Johns-Manville Corp. Methods for making asbestos fiber products. 3,271,186, 9–6–66, Cl. 117—100.
Sadoff, Bernard J., Jr., to Day Star Corp. Folding drapery. 3,247,891, 4–26–66, Cl. 160—183.
Sadowski, Edward P., to The International Nickel Co., Inc. Ultra tough maraging steel. 3,262,777, 7–26–66, Cl. 75—124.
Sadowski, Edward P., and R. F. Decker, to The International Nickel Co., Inc. Maraging steel. 3,262,823, 7–26–66, Cl. 148—142.
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Hackbarth, Russell R., Rae, Sadowski, and Winter. 3,236,361.
Sadvary, John W., M. Pochtar, and I. T. Flaum, to The Bendix Corp. Worst condition indicating system. 3,247,498, 4–19–66, Cl. 340—213.
Sadvary, John W., M. Pochtar, and I. T. Flaum, to The Bendix Corp. Angular displacement phase shift encoder analog to digital converter. 3,255,448, 6–7–66, Cl. 340—347.
Sadwith, Howard M., to Industrial Washing Machine Corp. Washing machine for cleaning small industrial parts. 3,229,701, 1–18–66, Cl. 134—72.
Sadwith, Howard M., to Industrial Washing Machine Corp. Industrial washing machine. 3,240,216, 3–15–66, Cl. 134—80.
Saegebarth, Klaus A., and J. J. Verbanc, to E. I. du Pont de Nemours and Co. Alpha, omega-bifunctional polythiomethylene compounds. 3,248,403, 4–26–66, Cl. 260—348.
Saeger, Gert, to J. H. Stielow. Address-stencil printing machine. 3,263,601, 8–2–66, Cl. 101—48.
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Saeki, Osamu, T. Wakamatsu, and S. Moriwaki, to Sumitomo Chemical Co., Ltd. Method for the production of petroleum resin. 3,287,332, 11–22–66, Cl. 260—82.
Saelid, Jack: *See*—
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Saemann, Karl, K. Buhler, and R. Gibtner, to Deere & Co. Seat construction for a self-propelled agricultural machine. 3,279,850, 10–18–66, Cl. 297—335.
Saenger, John F., Jr.: *See*—
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Safety Electrical Equipment Corp.: *See*—
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Saffell, Herbert R., and D. Hope. Pneumatic shock isolator and method. 3,233,886, 2–8–66, Cl. 267—1.
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Saffer, Alfred, and R. S. Barker, to Halcon International, Inc. Preparation of formic and acetic acids by oxidizing methylcyclohexane or paraffin wax in the presence of manganese bromide. 3,247,249, 4–19–66, Cl. 260—533.
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Feldman, Julian, Saffer, and Frampton. 3,284,529.
Feldman, Julian, Saffer, and Thomas. 3,251,893.
Saffir, Jacob A., to The Dentists' Supply Co. of New York. Dental engines. 3,228,657, 1–11–66, Cl. 253—86.
Safford, Donald E., to Sinclair Research, Inc. Combustion apparatus. 3,263,978, 8–2–66, Cl. 263—19.
Safford, Joseph H., to Columbus Electric Mfg. Co. Snap acting switch having a thin leaf spring with a portion thereof bent at an obtuse angle to the remainder. 3,248,496, 4–26–66, Cl. 200—67.
Safford, Moyer M.: *See*—
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Safford, Moyer M., to General Electric Co. Vulcanizing ethylene-propylene copolymers with an alkenylpolysiloxane and a bis(aralkyl) peroxide. 3,227,777, 1–4–66, Cl. 260—827.
Safford, Moyer M., to General Electric Co. Curing of chlorosulfonated polyethylene. 3,288,764, 11–29–66, Cl. 260—79.3.
Safford, Moyer M., to General Electric Co. Vulcanization of rubber with an organohydrogen polysiloxane and a chloroplatinic acid compound. 3,288,879, 11–29–66, Cl. 260—827.
Safford, William J. Sealed pipe coupling. 3,266,821, 8–16–66, Cl. 285—40.
Saftien, Udo, to Daimler-Benz Aktiengesellschaft. Automatic control mechanism for a hydraulic preasnre system in motor vehicles. 3,237,958, 3–1–66, Cl. 280—6.1.
Saftien, Udo, to Daimler-Benz Aktiengesellschaft. Spring construction for vehicles. 3,248,100, 4–26–66, Cl. 267—64.
Saftien, Udo, to Daimler-Benz Aktiengesellschaft. Brake valve structure. 3,284,143, 11–8–66, Cl. 303—54.
Sagady, Alexander J., to General Motors Corp. Automatic choke auxiliary thermostat. 3,278,119, 10–11–66, Cl. 236—91.
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Sagarin, Philip H., to Valve Corp. of America. Hand-held aerosol device. 3,227,321, 1–4–66, Cl. 222—182.
Sagarin, Philip H., to Valve Corp. of America. Actuator cap for spray dispensers. 3,240,397, 3–15–66, Cl. 222—182.
Sagarin, Philip H., to Valve Corp. of America. Tamper-proof actuator cap for aerosol devices. 3,245,588, 4–12–66, Cl. 222—182.
Sagarin, Philip H., to Valve Corp. of America. Actuator top for aerosol devices. 3,253,749, 5–31–66, Cl. 222—182.
Sagarin, Philip H., to Valve Corp. of America. Sampler-type tamper-proof actuator cap. 3,263,868, 8–2–66, Cl. 222—182.
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Sage, William J., to Esso Research and Engineering Co. Demistifier screen and support therefor. 3,274,760, 9–27–66, Cl. 55—491.
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Sager, Karl E.: *See*—
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Sager, Karl E., to Kimberly-Clark Corp. Suction box cover for a papermaking machine. 3,265,560, 8–9–66, Cl. 162—374.
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Saginaw Wire Products, Inc.: *See*—
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Strout, Raymond D., Fisher, and Wasmiller. 3,247,530.
Saginor, Irving. Block structure for retaining walls. 3,282,054, 11–1–66, Cl. 61—35.
Sagura, John J., and J. A. Van Allan, to Eastman Kodak Co. Photographic printout methods and materials utilizing organic azide compounds and coupler compounds therefor. 3,282,693, 11–1–66, Cl. 96—49.
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Saha, Richard A. Work holder for a circular saw apparatus. 3,233,888, 2–8–66, Cl. 269—319.
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Sahle, Knute, and A. B. Newton, to Borg-Warner Corp. Combination single and dual stage compressor. 3,285,500, 11–15–66, Cl. 230—40.
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Sahr, James J. Portable material handling apparatus. 3,240,366, 3–15–66, Cl. 214—17.
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Saines, George S., and Morduchowitz, to Texaco, Inc. Lubricating oil compositions containing polymers of lower alkyl methacrylates and method of preparing them. 3,291,737, 12–13–66, Cl. 252—56.
St. Alban, Jonas O., to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Water-soluble monoazodyestuffs. 3,260,713, 7–12–66, Cl. 260—163.
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St. Clair, Maurice W. Quiz answer sheet with correct answer and item analysis indicia. 3,264,760, 8–9–66, Cl. 35—48.
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St. Coeur, Edward J., 24% each to W. B. Snyder, Sr., and W. B. Snyder, Jr. Depth pressure gauge. 3,258,966, 7–5–66, Cl. 73—300.
St. Coeur, Edward J., 24% each to W. B. Snyder, Sr., and W. B. Snyder, Jr. Liquid-level switch having lanyard rotating means. 3,259,714, 7–5–66, Cl. 200—84.
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St. Denny, Ralph B., and F. H. Brown, to W. C. Coyne and T. M. Flanagan. Paper roll converter mechanism. 3,248,983, 5–3–66, Cl. 83—225.
Saint-Frison, Louis H. N., L. P. F. A. Neuville, and J.-M. Massoubre, to Michelin & Cie. Preparation of polyurethane elastomers. 3,228,914, 1–11–66, Cl. 260—75.
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St. John, Dale E., and R. B. McIntosh, to Arnoux Corp. Pulse generator having controllable pulse width and repetition rate. 3,256,488, 6–14–66, Cl. 328—61.
St. John, Douglas F., to Owens-Illinois Inc. Process and apparatus for electrostatically printing on hot substrate. 3,294,017, 12–27–66, Cl. 101—114.
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Sair, Louis, and C. Griffith, to The Griffith Laboratories, Inc. Manufacture of meat-curing salt composition. Re. 25,996, 3–29–66, Cl. 99—222.
Sair, Louis, and C. L. Griffith, to The Griffith Laboratories, Inc. Method of producing a salt composition useful in processing meat. 3,252,808. 5–24–66, Cl. 99—222.
Saito, Akira. Dehumidifier of air. 3,266,784, 8–16–66, Cl. 261—3.
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Sakwa, Paul. Hoop-rolling device. 3,242,612, 3–29–66, Cl. 46—220.

Sakwa, Paul. Skateboard brake. 3,288,251, 11–29–66, Cl. 188—29.

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Salerno, Paul G., to Vapor Corp. Lamp changer. 3,259,785, 7–5–66, Cl. 314—1.

Salerno, Paul G., R. P. Smith, W. W. Parks, M. A. Sime, and V. K. Zadoo, to Vapor Corp. In-line temperature actuated valve. 3,237,862, 3–1–66, Cl. 236—93.

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Salgado, Alvaro, to I. Berlinger, to Reichhold Chemicals, Inc. Foamed polyester epoxide resin compositions and method of making same. 3,252,923, 5–24–66, Cl. 260—2.5.

Salgado, Alvaro, and I. Berlinger, to Reichhold Chemicals, Inc. Foamed polyester-maleic anhydride compositions and method of making the same. 3,252,893, 2–1–66, Cl. 260—2.5.

Salgado, Alvaro, and D. L. Gilbertson, to Reichhold Chemicals, Inc. Production of melamine from dicyandiamide. 3,254,081, 5–31–66, Cl. 260—249.7.

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Salisbury, Mack L., to Sprayfoil Industrial Corp. Apparatus for combining fluids. 3,285,522, 11–15–66, Cl. 239—429.

Salisbury, William F. Baseball training bat or similar article. 3,246,894, 4–19–66, Cl. 273—26.

Salit, Morris. Shunt for electric light starter. 3,239,714, 3–8–66, Cl. 315—98.

Salit, Murray, and H. Doundoulakis, to Teleglobe Pay-TV System, Inc. Subscription television system having generation of synchronizing signals at the receiver. 3,242,258, 3–22–66, Cl. 178—5.1.

Salka, Ludovit, ¼ each to A. Reback, G. R. Wright, and D. M. Kanton. Painter's edging tool. 3,289,236, 12–6–66, Cl. 15—210.

Salkoff, Goodwin, to Atlas Metal Industries, Inc. Locking device for serving tables. 3,261,307, 7–19–66, Cl. 108—64.

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Sallay, Istvan, and S. J. Childress, to American Home Products Corp. 2 lower alkyl-3-(4-phenyl-4-carboalkoxy piperidine) lower alkyl-5,6 substituted indoles. 3,294,805, 12–27–66, Cl. 260—294.8.

Sallay, Istvan S., to American Home Products Corp. 3-(4′,5′-methylenedioxy-phenyl)-7,8-dimethoxy - 1,2,3,4 - tetrahydroisoquinolines. 3,267,107, 8–16–66, Cl. 260—2.87.

Sallay, Stephen, to American Home Products Corp. 5-aminobenzocarbazoles. 3,274,188, 9–20–66, Cl. 260—247.5.

Sallay, Stephen, to American Home Products Corp. Octahydroindolobenzazepines and compounds intermediate thereto. 3,294,817, 12–27–66, Cl. 260—326.9.

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Sallin, Pierre, and E. Jucker, to Infranor S.A. Commutator comprising radially positioned camming balls for actuating switch means. 3,257,535, 6–21–66, Cl. 200—156.

Sallo, Jerome S., to Honeywell Inc. Electroless plating. 3,261,711, 7–19–66, Cl. 117—93.2.

Sallo, Jerome S., to Honeywell Inc. Electroless plating. 3,265,511, 8–9–66, Cl. 106—1.

Sallow, Karl A. Automatic electrical controls for a winch, capstan or the like. 3,278,160, 10–11–66, Cl. 254—173.

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Salm, Mathias. Spacing support for reinforcing bars. 3,233,383, 2–8–66, Cl. 52—687.

Salmen, Charles F. Cable handling device. 3,243,160, 3–29–66, Cl. 254—134.3.

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Salmirs, Seymour, and O. J. Parker, to United States of America, National Aeronautics and Space Administration. Spacecraft separation system for spinning vehicles and/or payloads. 3,286,630, 11–22–66, Cl. 102—49.

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Salna, Karl, and T. G. Granryd, to International Harvester Co. Control system for hydraulic drive vehicles. 3,274,780, 9–27–66, Cl. 60—53.

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Salomon, Salomon M., and E. J. Justus, to Beloit Corp. Headbox for paper-making machine. 3,255,074, 6–7–66, Cl. 162—338.

Salowe, Seymour, and W. J. Schmidt, to Westinghouse Electric Corp. Apparatus for generating a plurality of phase displaced periodic electrical quantities. 3,271,655, 9–6–66, Cl. 321—7.

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Salter, Frank S., to The Loewy Engineering Co. Ltd. Multiple extrusion press with multiple container system. 3,240,046, 3–15–66, Cl. 72—263.

Salter, Larry, and F. S. Briles, to Briles Mfg. Method of prestressed fastening of materials. 3,270,410, 9–6–66, Cl. 29—446.

Saltman, Paul D., and P. J. Charley. Process for introduction of metals into the mammalian system. 3,275,514, 9–27–66, Cl. 167—68.

Saltness, Norman H. Fishing pistol. 3,292,295, 12–20–66, Cl. 43—19.

Saltness, Norman H., and W. R. Eschenbruecher, Jr., to Better Living Inventions. Inflatable pillow. 3,251,075, 5–17–66, Cl. 5—337.

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Salto, Rinaldo, to Ing. C. & C. Olivetti, S.p.A. Variable spacing run controlling device for typewriters and like machines. 3,288,263, 11–29–66, Cl. 197—94.

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Saltzman, Edwin J., M. D. De Geer, S. C. Plamowski, and R. G. Green, to United States of America, National Aeronautics and Space Administration. Traversing probe. 3,278,399, 9–20–66, Cl. 73—389.

Saltzman, Robert S., to E. I. du Pont de Nemours and Co. Apparatus for determining the concentration of dispersed particulate solids in liquids. 3,283,644, 11–8–66, Cl. 88—14.

Salutsky, Murrell L., and J. M. Sanborn, to W. R. Grace & Co. Magnesium potassium phosphate-containing fertilizer and process. 3,285,731, 11–15–66, Cl. 71—33.

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Salvesen, Robert H., to Esso Research and Engineering Co. Method of weed control. 3,260,589, 7–12–66, Cl. 71—2.6.

Salvesen, Robert H., to Esso Research and Engineering Co. Petroleum mulch film. 3,274,138, 9–20–66, Cl. 260—28.5.

Salvesen, Robert H., G. A. Weisgerber, and H. W. Rudel, to Esso Research and Engineering Co. Wax-water emulsions containing pyrethrum in the phase. 3,265,568, 8–9–66, Cl. 167—42.

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Salzer, Erwin, to The Chase-Shawmut Co. Current-limiting fuse precluding overshoot of the let-through current peak over the fusing current peak. 3,291,941, 12–13–66, Cl. 200—120.

Salzer, Erwin, and F. J. Kozacka, to The Chase-Shawmut Co. Electric cartridge fuses. 3,281,556, 10–25–66, Cl. 200—120.

Salzinger, Carl B., to The Dow Chemical Co. Coated thermoplastic transparent article. 3,252,826, 5–24–66, Cl. 117—138.8.

Salzle, Erich. Method of polishing crystal glass and lead crystal glass articles. 3,290,193, 12–6–66, Cl. 156—24.

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Sam, Ahmad, to Gould-National Batteries, Inc. Method of making dry charged lead-acid battery element by treating the assembled battery. 3,291,641, 12–13–66, Cl. 136—27.

Sama, Dominick A., and K. Etani. Calendar and calculating device. 3,259,311, 7–5–66, Cl. 235—78.

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Sames, Delbert W., and D. P. Kresge, to General Aniline & Film Corp. Roll feed attachment for duplicating apparatus. 3,292,471, 12–20–66, Cl. 83—203.

Samet, Frank, to General Precision Inc. Rotor speed control. 3,242,743, 8–29–66, Cl. 74—5.7.

Samet, Frank, to General Precision Inc. Flexural pivot. 3,290,949, 12–13–66, Cl. 74—5.

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Sampson, Frederick S., to United-Carr Inc. Fastening device with expansible attaching portion. 3,228,280, 1–11–66, Cl. 85—82.

Sampson, George H., to Winthrop-Atkins Co., Inc. Easel structure. 3,275,281, 9–27–66, Cl. 248—465.

Sampson, George H., to Winthrop-Atkins Co., Inc. [illegible] and method of making the same. 3,288,359, 11–29–66, Cl. 230—266.

Sampson, James H., to Hollingsworth Solderless Terminal Co. Electrical component with terminal lugs. 3,291,894, 12–13–66, Cl. 174—52.

Sampson, John L., to United States of America, Air Force. Closed-system evaporation crystallizer. 3,230,051, 1–18–66, Cl. 23—273.

Sampson, Joseph, R. C. Washington, E. A. Woodard, and H. H. Kramer, to U.S. Industries, Inc. Milking and washing systems. 3,228,374, 1–11–66, Cl. 119—14.18.

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Sampson, Merritt B., to The S-P Mfg. Corp. Universal jaw. 3,278,194, 10–11–66, Cl. 279—120.

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Samuels, Abraham M., and E. B. Shapiro, to Chicago Specialty Mfg. Co. Flaring and burnishing tool. 3,262,298, 7–26–66, Cl. 72—117.

Samuels, Gerard, to Radio Corp. of America. Method of producing frames for grid electrodes. 3,226,803, 1–4–66, Cl. 29—155.5.

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Sanders, David H., and J. M. Kennedy, ⅛ to W. D. Keith. Solenoid actuated pressure pump for grease guns and the like. 3,253,742, 5–31–66, Cl. 222—54.

Sanders, Dickerson H. Method and apparatus for shipping live birds. 3,234,915, 2–15–66, Cl. 119—97.

Sanders, Dickerson H. Apparatus for shipping live birds. 3,260,239, 7–12–66, Cl. 119—97.

Sanders, Donald G., and P. C. Zmola, to Combustion Engineering, Inc. Nuclear power plant system. 3,242,053, 3–22–66, Cl. 176—56.

Sanders, Donald P., to Philco Corp. Process for rapidly etching a flat-bottomed pit in a germanium wafer. 3,267,014, 8–16–66, Cl. 204—143.

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Sanders, Garland E. and E. E., and E. A. Zak, 25% to G. E. Sanders, 25% to E. Zak, and 50% to E. E. Sanders. Refrigerator door assembly. 3,252,253, 5–24–66, Cl. 49—120.

Sanders, Gus: *See*—
Corl, Edwin A., and Sanders. 3,281,825.

Sanders, Harland, to Kentucky Fried Chicken Corp. Process of producing fried chicken under pressure. 3,245,800, 4–12–66, Cl. 99—107.

Sanders, Harold A., to Ford Motor Co. Fuel injector pump test device. 3,230,761, 1–25–66, Cl. 73—119.

Sanders, Hugh J. Tool for removing broken valve cores. 3,235,951, 2–22–66, Cl. 29—213.

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Sanders, John E., A. A. Disco, A. L. Massini, and D. Johnson, to United States of America, Navy. Core retainer having curved gates. 3,285,354, 11–15–66, Cl. 175—242.

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Sanders, Judson H., and H. C. Ince, Jr., to The Procter & Gamble Co. Process for removing strong flavor components from roasted peanuts. 3,228,774, 1–11–66, Cl. 99—126.

Sanders, Katherine B., and N. S. McEwen; said McEwen assignor to said Sanders. Fabric holding clamp. 3,293,716, 12–27–66, Cl. 24—243.

Sanders, Marion D., and J. P. Kealy, to Swift & Co. Method and apparatus for producing granulated solids. 3,241,945, 3–22–66, Cl. 71—41.

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Sanders, Milton, and H. S. Halpern, to American Machine & Foundry Co. Control mechanism for disabling respotter upon either the downing of a selected pin or the rolling of a gutter ball. 3,239,222, 3–8–66, Cl. 273—43.

Sanders, Murray A. Combined electrical connector and indicator. 3,274,587, 9–20–66, Cl. 340—381.

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Sanders, Raymond. Self-locking turnbuckle. 3,278,210, 10–11–66, Cl. 287—60.

Sanders, Raymond J., to British Columbia Research Council. Fuel log producing apparatus. 3,232,722, 2–1–66, Cl. 44—13.

Sanders, Raymond L., to Pan American Petroleum Corp. Seismic normal move-out correction. 3,278,894, 10–11–66, Cl. 340—15.5.

Sanders, Richard P., J. G. van Bosse, and D. K. Melvin, to Automatic Electric Laboratories, Inc. Marker controlled crosspoint switching system including trunk hunting, transfer, and conference call arrangemets. 3,278,689, 10–11–66, Cl. 179—18.

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Sandmann, Herbert, and U. Rucha, to Siemens-Schuckertwerke Aktiengesellschaft. Process and apparatus for pyrolytic production of pure semiconductor material, preferably silicon. 3,286,685, 11–22–66, Cl. 118—49.1.

Sandmeyer, Ernest R. Sorting method and apparatus utilizing triangular openings. 3,269,533, 8–30–66, Cl. 209—88.

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Sandret, Robert. Apparatus for welding wires on condenser coils. 3,288,976, 11–29–66, Cl. 219—56.

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Sanford, Charles G., deceased, by D. L. Sanford, executrix, to D. L. Sanford. Hydraulic balanced self-aligning shaft seal. 3,259,390, 7–5–66, Cl. 277—3.

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Sanford, Richard A., and B. O. Ayers, to Phillips Petroleum Co. Method and apparatus for analyzing water concentration in a hydrocarbon sample by electrolysis. 3,257,609, 6–21–66, Cl. 324—30.

Sanford, Richard J., to United States of America, Navy. Four-layer semiconductor switch with means to provide recombination centers. 3,246,172, 4–12–66, Cl. 307—88.5.

Sanford, Robert A., D. K. Wunderlich, and R. L. Foster, to Sinclair Research, Inc. Production of 2-methyl-2-butene. 3,236,908, 2–22–66, Cl. 260—683.2.

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Sangivanni, Peter. Snow loading and melting machine. 3,259,123, 7–5–66, Cl. 126—343.5.

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Sanowskis, Albert C. Push-button operated combination locks. 3,276,231, 10–4–66, Cl. 70—313.

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Santelli, Thomas R., to Owens-Illinois Glass Co. Glass base coated with an acid hydrolyzed polysilanol, the method of coating, the coating composition, and the method of preparing the composition. 3,258,444, 6–28–66, Cl. 260—30.4.

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Santner, John J., to Allis-Chalmers Mfg. Co. Welding wire consisting of nickel-titanium-carbon-silicon-copper. 3,282,-689, 11–1–66, Cl. 75—170.

Santo, Michael W., Jr. Hand gun holsters. 3,227,337, 1–4–66, Cl. 224—2.

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Santore, Anthony. Combination cap and dispenser. 3,248,-025, 4–26–66, Cl. 222—484.

Santore, James R., ½ each to R. B. Stauft and E. J. Mulholland. Resilient sole having self-cleaning suction cups. 3,237,322, 3–1–66, Cl. 36—59.

Santourian, Melcon, to Phillips Petroleum Co. Removal of water blocks from oil and gas wells. 3,283,818, 11–8–66, Cl. 166—42.

Santourian, Melcon, to Phillips Petroleum Co. Removal of water blocks from oil and gas wells. 3,289,764, 12–6–66, Cl. 166—42.

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Santucci, Lawrence E., to Chevron Research Co. Method of compacting resinous overlays. 3,230,843, 1–25–66, Cl. 94—23.

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Santucci, Nicholas, to Santucci Construction Co. Tunneling machine. 3,231,310, 1–25–66, Cl. 299—56.

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Thurston, Franklin J., and Sanwald. 3,277,996.
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Sarett, Lewis H., and T.-Y. Shen, to Merck & Co., Inc. Indolyl aliphatic acids. 3,242,163, 3–22–66, Cl. 260—211.

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Sato, Takayoshi, and T. Kikuchi, to Kabushiki Kaisha Copal. Photographic camera with automatic exposure control. 3,292,516, 12–20–66, Cl. 95—10.

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Sauer, Edgar, W. Gunther, and W. Zink, to Zeiss Ikon Aktiengesellschaft. Photographic camera with labeling means using band shaped transparent character carriers. 3,266,394, 8-16-66, Cl. 95—1.1.
Sauer, Francis J., to Emerson Electric Co. Induction motors. 3,238,403, 3-1-66, Cl. 310—192.
Sauer, Fred P., Sr. Cigarette holder. 3,237,629, 3-1-66, Cl. 131—175.
Sauer, Hans, to Carl Zeiss. View finder-range finder for photographic caceras and motion picture cameras. 3,233,533, 2-8-66, Cl. 95—42.
Sauer, Hans. Magnet system having a center pivoted armature. 3,246,211, 4-12-66, Cl. 317—197.
Sauer, Hans, to C. Zeiss. Combined viewfinder and rangefinder with composite birefringement prism assembly for photographic cameras. 3,274,881, 9-27-66, Cl. 88—2.6.
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Sauer, Hermann, A. Schmidt, and K. Kopetz, to Chemische Werke Huls AG. Flame-retardant polyolefin compositions containing antimony trioxide and tri-brominated phenyl ethers. 3,250,739, 5-10-66, Cl. 260—45.75.
Sauer, Hubert, and H. Binder, to Rutgerswerke-Aktiengesellschaft. Copolymer of diethyleneglycol-bis-allylcarbonate, triallylcyanurate and a styrene. 3,228,915, 1-11-66, Cl. 260—77.5.
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Sauer, Leo H., to Whirlpool Corp. Pump and blower clutch for washer-dryer. 3,233,434, 2-8-66, Cl. 68—12.
Sauer, Louis E., to Westinghouse Electric Corp. Self-cleaning electrical insulator construction. 3,257,501, 6-21-66, Cl. 174—143.
Sauer, Louis E., to L. E. Sauer Machine Co. Rotary anvil construction. 3,274,873, 9-27-66, Cl. 83—347.
Sauer, Louis E., to L. E. Sauer Machine Co. Arcuate faced cutting rule and method of making same. 3,280,682, 10-25-66, Cl. 83—347.
Sauer, Louis E., to L. E. Sauer Machine Co. Anvil for rotary die cutting. 3,282,142, 11-1-66, Cl. 83—659.
Sauer, Louis E., to L. E. Sauer Machine Co. Split rotary anvil, head, and the like. 3,285,642, 11-15-66, Cl. 287—189.36.
Sauer, Richard W., to The Atlantic Refining Co. Hydrocarbon wax-ethylene polymer compositions. 3,227,669, 1-4-66, Cl. 260—28.5.
Sauer, Victor E. Wall structure and support assembly. 3,255,563, 6-14-66, Cl. 52—404.
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Saulson, Daniel M., to H.B.V., Inc. Bedpan. 3,246,344, 4-19-66, Cl. 4—112.
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Pendleton, Wesley W., Saums, and Cornell. 3,238,025.
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Saunders, Alan C. A., and R. S. Challender, to United Kingdom Atomic Energy Authority. Finned nuclear reactor fuel element. 3,231,477, 1-25-66, Cl. 176—81.
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Saunders, James H., to Mobay Chemical Co. Curable mixture of particulate polyalkylene ether urethane and particulate polyalkylene ether polyurea urethane. 3,240,842, 3-15-66, Cl. 260—858.
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Saunders, Walter S. Apparatus for reducing linear and lateral wind resistance in a tractor-trailer combination vehicle. 3,241,876, 3-22-66, Cl. 296—1.
Saunders, Walter S. Extended range cascade for torque converters and turbo-machinery. 3,244,400, 4-5-66, Cl. 253—77.
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Saur, Eugen, to Brown, Boveri & Cie., Aktiengesellschaft. Method of making magnetically hard superconducting wires. 3,252,832, 5-24-66, Cl. 117—227.
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Saur, Eugen J., to National Research Corp. Superconductor. 3,244,490, 4-5-66, Cl. 29—194.
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Saurenman, Dean F., to Schlumberger Well Surveying Corp. Articulated gamma-gamma borehole logging apparatus. 3,254,221, 5-31-66, Cl. 250—83.6.
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Sauvanet, Maurice, to Compagnie Francaise de Television. Colour television signal demodulating circuits. 3,283,066, 11-1-66, Cl. 178—5.4.
Sauve, Charles, to Commissariat a l'Energie Atomique. Processes for shaping metals under high hydrostatic pressure. 3,286,337, 11-22-66, Cl. 29—423. 38.6.
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Savage, Harry A., 50% to Donald W. Barlow. Self cleaning injection nozzle. 3,282,513, 11-1-66, Cl. 239—534.
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Savino, Henry C. Motor vehicle signal device. 3,283,299, 11-1-66, Cl. 340—52.
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Savino, Henry C., and J. Suozzo, to Westinghouse Electric Corp. Elevator system with sequence for selecting an available car and expedited service for main floor. 3,292,736, 12-20-66, Cl. 187—29.
Savins, Joseph G., to Mobil Oil Corp. Treating permeable formations with aqueous positive nonsimple flooding liquids. 3,292,698, 12-20-66, Cl. 166—9.
Savins, Joseph G., and W. R. Foster, to Mobil Oil Corp. Cementing of wells in an earth formation. 3,291,211, 12-13-66, Cl. 166—22.
Savit, Carl H., to Western Geophysical Co. of America. Hydrophone cable. 3,287,691, 11-22-66, Cl. 340—7.
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Sawa, Yoshiro, and S. Maeda, to Shionogi & Co., Ltd. Unsaturated morphinan derivatives. 3,236,851, 2-22-66, Cl. 260—285.
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Sawa, Yoshiro, S. Maeda, and N. Tsuzi, to Shionogi & Co. Ltd. 3-hydroxy-6-oxo-N-lower alkylmorphinans and 3-lower alkoxy-4-aryloxy-6β-hydroxy-N-lower alkylmorphinans. 3,256,286, 6-14-66, Cl. 260—285.
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Sawa, Yoshiro, N. Tsuzi, and H. Tada, to Shionogi & Co., Ltd. 6-hydroxymorphinan derivatives and production thereof. 3,275,638, 9-27-66, Cl. 260—285.
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Sawdey, George W., to Eastman Kodak Co. Photographic elements protected against ultraviolet radiation. 3,250,-617, 5–10–66, Cl. 96—55.

Sawdey, George W., to Eastman Kodak Co. Novel photographic elements protected against ultraviolet radiation. 3,253,921, 5–31–66, Cl. 96—73.

Sawdey, George W., to Eastman Kodak Co. Photographic element. 3,271,156, 9–6–66, Cl. 96—84.

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Sawyer, Charles B., deceased, by The Cleveland Trust Co., executor, to Sawyer Research Products, Inc. Method for growth of pegmatitic quartz crystals in a controlled axial direction. 3,291,575, 12–13–66, Cl. 23—301.

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Sawyer, Edgar W., Jr., H. A. Smith, R. W. Wert, to Minerals & Chemicals Philipp Corp. Conditioning agent and hygroscopic particles conditioned therewith. 3,234,006, 2–8–66, Cl. 71—59.

Sawyer, Edgar W., Jr., H. A. Smith, and R. W. Wert, to Minerals & Chemicals Philipp Corp. Anti-hygroscopic conditioning agent comprising illite. 3,250,607, 5–10–66, Cl. 71—64.

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Sawyer, Edgar W., Jr., and M. Pavol, Jr., to Minerals & Chemical Philipp Corp. Inhibited clay slurry composition. 3,282,715, 11–1–66, Cl. 106—72.

Sawyer, Edward J., Jr., to Archer-Daniels-Midland Co. Method for production of tri-alkyl tertiary amines. 3,264,354, 8–2–66, Cl. 260—583.

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Sawyer, George A.: *See*—
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Sawyer, George M. Method of determining iron deficiency in nutrient solutions for plants. 3,246,428, 4–19–66, Cl. 47—58.

Sawyer, Harold E., deceased; by E. T. Sawyer, administratrix, to United States of America, Navy. Radiator apparatus for underwater sound generators. 3,257,988, 6–28–66, Cl. 116—27.

Sawyer, Harold T., 10% to G. K. McKenzie and H. P. Heubner (jointly), 2% to H. P. Heubner, and 2½% to L. H. Hoerres. System for monitoring and control of material in a continuing process. 3,265,873, 8–9–66, Cl. 235—151.35.

Sawyer, Howard C., to Howard R. Ward, Inc. Exhaust combustion chamber. 3,261,161, 7–19–66, Cl. 60—30.

Sawyer, James G., to Utah Construction & Mining Co. Air compressor. 3,289,922, 12–6–66, Cl. 230—127.

Sawyer, James T. Balloon actuated air supported vehicle. 3,246,426, 4–19–66, Cl. 46—88.

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Sawyer, Leslie F., to Colonial Silver Co., Inc. Toothbrush having a removable brush head. 3,271,805, 9–13–66, Cl. 15—176.

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Saxman, Theodore E., to The B. F. Goodrich Co. Lining for acid tanks. 3,286,822, 11–22–66, Cl. 206—2.

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Scaramucci, Domer. Foldable check valve. 3,292,653, 12–20–66, Cl. 137—525.3.

Scaramucci, Domer. Check valve and resilient hinge structure and method for manufacturing same. 3,292,658, 12–20–66, Cl. 137—525.3.

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Scaroni, Joseph A., Jr., to Automatic Electric Laboratories, Inc. Phase discriminator of optimum linearity bandwidth. 3,267,384, 8–16–66, Cl. 329—137.

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Schack, Warren R., and M. Long, to Swift & Co. Pressure chamber structure. 3,255,690, 6–14–66, Cl. 99—249.
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Schaeffer, Myron, and K. Boll, to The Governors of The University of Toronto. Control means for controlling electro-mechanical phenomena. 3,270,135, 8–30–66, Cl. 179—1.
Schaeffer, Paul R., to The Polymer Corp. Polyamide bearings. 3,252,905, 5–24–66, Cl. 252—12.
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Schaeffer, William D., to Union Oil Co. of California. Ester production using noble metal-bromine compound catalysts. 3,253,020, 5–24–66, Cl. 260—497.
Schaeffer, William D., to Union Oil Co. of California. Production of vinyl acetate by oxidation of ethylene with a palladous salt-containing catalyst and catalyst regeneration with oxygen and a nitrite or nitrogen oxide. 3,260,739, 7–12–66, Cl. 260—497.
Schaeffer, William D., to Union Oil Co. of California. Production of vinyl acetate from ethylene. 3,277,158, 10–4–66, Cl. 260—497.
Schaeffer, William D., to Union Oil Co. of California. Process for the production of unsaturated esters and acetals from olefins. 3,277,159, 10–4–66, Cl. 260—497.
Schaeffer, William D., to Union Oil Co. of California. Separation of aromatic hydrocarbon mixtures. 3,277,201, 10–4–66, Cl. 260—674.
Schaeffer, William D., to Union Oil Co. of California. Catalytic dealkoxylation of gem-dialkoxy compounds. 3,285,967, 11–15–66, Cl. 260—614.
Schaeffer, William D., to Union Oil Co. of California. Synthesis of acetals. 3,285,970, 11–15–66, Cl. 260—615.
Schaeffer, William D., to Union Oil Co. Method of preparing unsaturated esters by oxidation of olefins. 3,288,845, 11–29–66, Cl. 260—497.
Schaeffer, William D., to Union Oil Co. of California. Process for preparing esters and acetals by the oxidation of olefins. 3,290,362, 12–6–66, Cl. 260—497.

Schaeffer, William D., and V. E. Stiles, to Union Oil Co. of California. Azeotropic distillation procedure. 3,244,759, 4–5–66, Cl. 260—672.
Schaeffler, Georg, to Industriewerk Schaeffler OHG. Method of making a cage for cylindrical rollers. 3,228,090, 1–11–66, Cl. 29—148.4.
Schaeffler, Georg, to Industriewerk Schaeffler. Method of assembling a roller bearing. 3,230,605, 1–25–66, Cl. 29—148.4.
Schaeffler, Georg, to Industriewerk Schaeffler OHG. Cylindrical roller bearing. 3,248,155, 4–26–66, Cl. 308—212.
Schaeffler, Georg, W. Jacob, and D. May, to Industriewerk Schaeffler. Upper roller for spinning machine drawing mechanisms. 3,228,088, 1–11–66, Cl. 29—116.
Schaenzer, Gordon N. Space heater converter for cooking stove. 3,280,813, 10–25–66, Cl. 126—4.
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Schafer, Frank, Jr., to J. M. Nash Co. Apparatus for making and filling packages in a continuous operation. 3,250,055, 5–10–66, Cl. 53—180.
Schafer, Georg, Kugelfischer, & Co.: *See*—
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Schäfer, Hans, to Siemens-Schuckertwerke Aktiengesellschaft. Method and apparatus for seam welding of tubes. 3,294,928, 12–27–66, Cl. 219—8.5.
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Schafer, Leonhard. Spiral design pastry die. 3,227,103, 1–4–66, Cl. 107—1.
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Schafer, Leonhard. Concentric pastry die. 3,241,503, 3–22–66, Cl. 107—1.
Schafer, Leonhard. Patterned pastry making machine. 3,242,881, 3–29–66, Cl. 107—1.
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Schafler, Armando B., and A. K. Lombardo, to Metalgamica, S.A. Multi-metal planographic printing plates. 3,280,736, 10–25–66, Cl 101—149.2.
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Mullery, Alvin P., and Schauer. 3,293,616.
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Schaug-Pettersen, Tor, B. J. Elliott, and H. J. Shaw, to United States of America, Army. Pulsed ferrite frequency convertic with gain. 3,283,167, 11–1–66, Cl. 307—88.3.
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Schaum, Gustav, H. Hadyn, A. von König, and H. Seibert, to Agfa Aktiengesellschaft. Photoconductive layers and process for electrophotography. 3,253,914, 5–31–66, Cl. 96—1.
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Scheffler, Friedrich, to Deutsche Edelstahlwerke Aktiengesellschaft. and Allgemeine Elektricitats-Gessellschaft. Method of and apparatus for electro-inductively heating metal billets. 3,291,954, 12–13–66, Cl. 219—10.69.
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Scheibel, Edward G., to York Process Equipment Corp. Froth disengagement in gas-liquid contact apparatus. 3,231,251, 1–25–66, Cl. 261—114.
Scheiber, Werner, to Metallgesellschaft Aktiengesellschaft. Production of high purity cyclohexane. 3,281,481, 10–25–66, Cl. 260—667.
Scheibli, James R., and H. A. Newey, to Shell Oil Co. Process for preparing epoxy-containing materials in the presence of a bituminous material. 3,284,390, 11–8–66, Cl. 260—28.
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Scheidhauer, Kurt, and H. Kusch, to Telefunken Patentverwertungs G.m.b.H. Coincident gate delivery device for use in the automatic recognition of symbols. 3,278,901, 10–11–66, Cl. 340—146.3.
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Schellhammer, Carl-Wolfgang, R. Raue, and H. Gold, to Farbenfabriken Bayer Aktiengesellschaft. Certain 7-(1-γ-triazolyl)-3-aryl coumarin compounds. 3,251,851, 5–17–66, Cl. 260—308.
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Schenck, Hermann, and W. Wenzel. Method and apparatus for producing coke. 3,266,088, 8–16–66, Cl. 18—9.
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Schenk, Walter, L. Vogel, and A. Wallis, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Recovery of cyclic dicarboxylic acids. 3,261,842, 7–19–66, Cl. 260—295.
Schenk, Walter, and A. Wallis, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of alkali metal terephthalates. 3,261,863, 7–19–66, Cl. 260—515.
Schenk, Walter, A. Wallis, and R. Schanz, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of cyclic carboxylic acids by thermal conversion of salts of other cyclic carboxylic acids. 3,285,955, 11–15–66, Cl. 260—515.
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Scheper, George W., Jr., to General Electric Co. Reversible axial flow gas turbine. 3,286,983, 11–22–66, Cl. 253—73.
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Scherbatskoy, Serge A. Scintillation detector system using a white light as a standard to stabilize the system. 3,243,-588, 3–29–66, Cl. 250—71.5.
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Scherer, Otto, and K. Uhl, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing nitriles. 3,280,165, 10–18–66, Cl. 260—465.1.
Scherer, Otto, H. Frensch, and W. Stenger, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Fungicidal compositions containing salts of ethylene-bis dithiocarbamic acid and tin compounds. 3,281,316, 10–25–66, Cl. 167—22.
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Schick, Josef, to Metachem AG. Method of recovering chlorine and hydrogen. 3,267,012, 8–16–66, Cl. 204—128.
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Schiebeler, Werner, to International Standard Electric Corp. Receiving system for an electronic teleprinter. 3,294,908, 12–27–66, Cl. 178—88.
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Schleicher, Harold E., to The Arrow-Hart & Hegeman Electric Co. Low energy non-arcing electric relay construction. 3,260,824, 7–12–66, Cl. 200—104.

Schleicher, Helmut. Time-delay relay with axially aligned poles. 3,284,734, 11–8–66, Cl. 335—68.

Schleifman, Neil: *See*—
Midgette, Ernst L., O'Brien, and Schleifman. 3,292,764.
O'Brien, Richard C., Schleifman, and Laut. 3,278,003.
O'Brien, Richard C., Schleifman, Laut, and Graubert. 3,278,004.

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Schlein, Herbert N., to Itek Corp. Data processing media. 3,240,613, 3–15–66, Cl. 106—19.

Schlein, Herbert N., to Itek Corp. Photothermographic data processing composition, method and article. 3,259,495, 7–5–66, Cl. 96—29.

Schlein, Herbert N., and P. T. Sullivan, to Itek Corp. Exposure, heat development and fixing of photosensitive mercurous oxalate and silver oxalate compositions. 3,259,-494, 7–5–66, Cl. 96—27.

Schlein, Seymour N., to The Fanner Mfg. Co. Line suspension. 3,260,487, 7–12–66, Cl. 248—63.

Schlein, Seymour N., to The Fanner Mfg. Co. Method and apparatus for forming splices and dead ends and locking means therefor. 3,267,658, 8–23–66, Cl. 57—145.

Schlein, Seymour N., to The Fanner Mfg. Co., a division of Textron Inc. Apparatus for securing lines to supports. 3,288,918, 11–29–66, Cl. 174—173.

Schleitzer, Gerhard: *See*—
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Schleman, Robert W., to Stream-Eze, Inc. Boot and shoe holding and shaping device. 3,237,225, 3–1–66, Cl. 12—120.5.

Schlemmer, Alfred H., Jr. Spray freezer tunnel. 3,287,932, 11–29–66, Cl. 62—374.

Schlemon, George. Garment finisher. 3,286,889, 11–22–66, Cl. 223—70.

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Schlenker, Norman E. Reinforced shell construction. 3,286,-415, 11–22–66, Cl. 52—86.

Schlenker, Roy F., to T. J. Holmes Co., Inc. Pump. 3,257,-961, 6–28–66, Cl. 103—178.

Schlenker, Walter, to Siemens & Halske Aktiengesellschaft. Small size direct current motor. 3,284,687, 11–8–66, Cl. 318—138.

Schlensker, Fred W., to Ferro Corp. Fastening device for cladding panel. 3,264,793, 8–9–66, Cl. 52—511.

Schleper, Bernard: *See*—
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Schlernitzauer, Edward A., to Swift & Co. Ham pumping device. 3,273,487, 9–20–66, Cl. 99—254.

Schlesch, Ronald D., and E. W. Morain, to Continental Industries, Inc. Pipe clamp. 3,258,822, 7–5–66, Cl. 24—284.

Schlesinger, Bernard E., Jr. Reciprocable leaf-type switch with rotatable and compressible leaf spring contacts. 3,261,928, 7–19–66, Cl. 200—8.

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Schlesinger, Heinz, to Azoplate Corp. Photoconductive layers for electrophotographic purposes. 3,294,531, 12–27–66, Cl. 96—1.

Schlesinger, Heinz, and J. Munder, to Azoplate Corp. Electrophotographic material and process. 3,257,202, 6–21–66, Cl. 96—1.

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Schlesinger, Joseph H., to Eagle Chemical Co. Silicious dental filling. 3,247,593, 4–26–66, Cl. 32—15.

Schlesinger, Kurt, to General Electric Co. Image field flattener for image converter tubes. 3,265,926, 8–9–66, Cl. 315—16.

Schlesinger, Kurt, to General Electric Co. Variable magnification electron lens. 3,286,114, 11–15–66, Cl. 313—83.

Schlesinger, Martin D., and R. W. Hiteshue, to United States of America, Interior. Binder and surface coating made from coal and asphalt. 3,264,957, 8–9–66, Cl. 94—9.

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Schlesinger, William A., and K. T. Lang, to F. W. Huck. Variable diameter V-belt pulley. 3,293,930, 12–27–66, Cl. 74—230.17.

Schlesmann, Harro., and K. Dinges, to Farkenfabriken Bayer Aktiengesellschaft. Acrylonitrile polymer solutions stabilized with mercapto-containing heterocyclic compounds. 3,255,146, 6–7–66, Cl. 260—32.6.

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Schlicht, Guenther, deceased (by E. Schlicht, legal representative), and H. Lange, to Deutsche Erdol-Aktiengesellschaft. Underground mining reactor apparatus. 3,262,857, 7–26–66, Cl. 176—39.

Schlicht, Gunther: *See*—
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Schlicht, Günther, deceased (by E. M. Schlicht, legal representative), and H. Lange, to Deutsche Erdol-Aktiengesellschaft. Apparatus for the extraction of underground bituminous deposits. 3,242,989, 3–29–66, Cl. 166—52.

Schlicht, Günther, deceased (by E. M. Schlicht, legal representative), and H. Lange, to Deutsche Erdol-Aktiengesellschaft. Process for extracting liquid bitumens from an underground deposit. 3,276,518, 10–4–66, Cl. 166—11.

Schlicht, Günther, deceased (by E. M. Schlicht, administrator), and H. Lange, to Deutsche Erdol-Aktiengesellschaft. Process for deriving values from coal deposits. 3,283,814, 11–8–66, Cl. 166—11.

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Von Sanden, Dieter, and Schlichte. 3,280,264.
Von Sanden, Dieter, and Schlichte. 3,280,265.
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Schlichte, Max, to Siemens & Halske Aktiengesellschaft. Communication channel-joining fork circuit. 3,227,812, 1–4–66, Cl. 179—81.

Schlichte, Max, to Siemens & Halske Aktiengesellschaft. Circuit arrangement constructed in the manner of a coupling multiple for the connection of time multiplex telephone systems. 3,251,945, 5–17–66, Cl. 179—15.

Schlichte, Max, to Siemens & Halske Aktiengesellschaft. Attenuation equalization device in a communication system with a two-conductor multiplex bar. 3,251,947, 5–17–66, Cl. 179—15.

Schlichte, Max, to Siemens & Halske Aktiengesellschaft. Resonant transfer switch circuit for time multiplex communication systems. 3,259,694, 7–5–66, Cl. 179—15.

Schlichte, Max, to Siemens & Halske Aktiengesellschaft. Circuit arrangement for the connection of time multiplex telephone systems. 3,267,217, 8–16–66, Cl. 179—15.

Schlichting, Hans L., to Hooker Chemical Corp. Process for the separation of 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro - 6,9-methano-2,4,3-benzodioxathiepin-3-oxide isomers. 3,251,856, 5–17–66, Cl. 260—327.

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Schlichting, Karl, to Nordischer Maschinenbau Rud. Baader. Method of slitting fish bellies. 3,241,179, 3–22–66, Cl. 17—45.

Schlicke, Heinz M., to Allen-Bradley Co. Transformation network for changing a circuit exhibiting gyrator characteristics to a circuit exhibiting isolator characteristics. 3,287,-666, 11–22–66, Cl. 333—24.1.

Schlicke, Heinz M., F. A. Blomdahl, A. V. Kouchich, and G. R. Peterson, to Allen-Bradley Co. Feed-through capacitor. 3,243,738, 3–29–66, Cl. 333—79.

Schlicke, Heinz M., A. V. Kouchich, and F. A. Blomdahl, to Allen-Bradley Co. Capacitive component. 3,249,834, 5–3–66, Cl. 317—258.

Schlidt, Rudolf H., and F. K. Pauli. Emergency cutter. 3,235,041, 2–15–66, Cl. 192—.096.

Schlie, Roland W., to United States of America, Navy. Mechanical pulse transformer. 3,229,582, 1–18–66, Cl. 89—1.5.

Schlieben, Ernest W., to The Perkin-Elmer Corp. Man and machine readable label. 3,227,861, 1–4–66, Cl. 235—61.12.

Schlieben, Ernest W., C. M. Stern, and A. S. Gutman, to Sylvania Electric Products Inc. Data processing. 3,246,-126, 4–12–66, Cl. 235—61.11.

Schlienz, Ralph W., and P. C. Boyd, to Riegel Paper Corp. Reclosable tear string package. 3,246,833, 4–19–66, Cl. 229—86.

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Schlinger, Warren G., and du B. Eastman, deceased (by The Security First National Bank, executor), to Texaco Inc. Process for recovering hydrocarbons from an undergound formation. 3,228,467, 1–11–66, Cl. 166—7.

Schlinger, Warren G., to Texaco Inc. Treatment of hydrocarbons with hydrocracking in the first stage and hydrogenation of the gaseous products. 3,228,871, 1–11–66, Cl. 208—58.

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Schlor, Hanshelmut, E. Schegk, and G. Schrader, to Farbenfabriken Bayer Aktiengesellschaft. Thionophosphonic acid esters and processes for their production. 3,253,061, 5–24–66, Cl. 260—461.

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Schlosberg, Aaron. Saw or flush sawing device. 3,242,956, 3–29–66, Cl. 145—33.

Schloss, Fred, to United States of America, Navy. Vibrating table structure. 3,262,308, 7–26–66, Cl. 73—71.6.

Schloss, Fred, to United States of America, Navy. Wide band hydrophone. 3,263,210, 7–26–66, Cl. 340—10.

Schloss, Fred, to United States of America, Navy. High precision capactive strain gage. 3,280,628, 10–25–66, Cl. 73—301.

Schlossar, Edmund, to General Electric Co. Self-oscillator communication system for D.C. motor. 3,257,593, 6–21–66, Cl. 318—138.

Schlossberg, Louis, and P. J. Carrier, to Detrex Chemical Industries, Inc. Phosphate coating composition. 3,269,877, 8–30–66, Cl. 148—6.15.

Schlossberg, Louis, E. E. Logue, and P. J. Carrier, to Detrex Chemical Industries, Inc. Composition and method for coating metal surfaces. 3,272,664, 9–13–66, Cl. 148—6.17.

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Schlosser, Paul W., to Panther Pumps & Equipment Co., Inc. Balanced pressure pump. 3,251,305, 5–17–66, Cl. 103—44.

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Schlosser, Paul W., to Panther Pumps & Equipment Co., Inc. Pressure hose fitting. 3,254,908, 6–7–66, Cl. 285—149.

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Schluderberg, Donald C., to The Babcock & Wilcox Co. Multipass, vapor moderated and cooled nuclear reactor and method of operating to variably moderate and control same. 3,247,073, 4–19–66, Cl. 176—42.

Schluderberg, Donald C., and H. S. Barringer, to The Babcock & Wilcox Co. Fast breeder reactor and method of operation of same. 3,247,068, 4–19–66, Cl. 176—18.

Schluderberg, Donald C., J. W. Ryon, and R. W. Carlson, to The Babcock & Wilcox Co. Steam cooled reactor arrangement. 3,247,074, 4–19–66, Cl. 176—42.

Schluderberg, Donald C., and G. R. Winders, to The Babcock & Wilcox Co. Fast breeder reactor arrangement. 3,275,521, 9–27–66, Cl. 176—18.

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Schlumberger, Etienne M., to Conch International Methane Ltd. Process for forming a seal for a container for storing a liquefied gas. 3,261,087, 7–19–66, Cl. 29—450.

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Schluter, Harry C., to Minnesota Mining and Mfg. Co. Labeling machine. 3,238,080, 3–1–66, Cl. 156—351.

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Schluter, Klaus, to Siemens & Halske Aktiengesellschaft. Apparatus for determining disturbances along electrical lines utilizing the impulse reflection method including controllable equalizing means comprising a two-channel amplifier. 3,255,406, 6–7–66, Cl. 324—52.

Schluter, Klaus, to Siemens & Halske Aktiengesellschaft Berlin and Munich. Circuit arrangement comprising voltage divider networks for measuring impedances. 3,293,545, 12–20–66, Cl. 324—57.

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Schmeckenbecher, Arnold F., to International Business Machines Corp. Electroless plating of a substrate with nickel-iron alloys and the coated substrate. 3,255,033, 6-7-66, Cl. 117—47.

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Schmerling, Louis, to Universal Oil Products Co. Alkylated aromatic amines. 3,230,257, 1-18-66, Cl. 260—576.

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Schmerling, Louis, to Universal Oil Products Co. Halovinyl substituted cyclododecatrienes and a method for the preparation thereof. 3,248,434, 4-26-66, Cl. 260—648.

Schmerling, Louis, to Universal Oil Products Co. Polyhaloalkyl substituted halocyclododecadienes. 3,248,435, 4-26-66, Cl. 260—648.

Schmerling, Louis, to Universal Oil Products Co. Process for N-alkylation of aromatic amines. 3,267,146, 8-16-66, Cl. 260—577.

Schmerling, Louis, to Universal Oil Products Co. N-alkylation of amides and imides. 3,274,211, 9-20-66, Cl. 260—326.

Schmerling, Louis, to Universal Oil Products Co. Halo-substituted carboxylic acid esters of nitro alkanols. 3,274,236, 9-20-66, Cl. 260—487.

Schmerling, Louis, to Universal Oil Products Co. Aralkyl polyhalothiacycloolefins and method for the preparation thereof. 3,280,146, 10-18-66, Cl. 260—327.

Schmerling, Louis, to Universal Oil Products Co. Preparation of primary alcohols. 3,280,199, 10-18-66, Cl. 260—617.

Schmermund, Alfred: *See*—
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Beermann, Erich, and Knecht. 3,253,386.

Schmermund, Alfred. Feeding devices. 3,229,837, 1-18-66, Cl. 214—312.

Schmermund, Alfred. Packaging machines. 3,236,027, 2-22-66, Cl. 53—388.

Schmermund, Alfred. Feeding devices. 3,239,085, 3-8-66, Cl. 214—307.

Schmermund, Alfred. Devices for cutting webs. 3,242,783, 3-29-66, Cl. 83—152.

Schmermund, Alfred. Packing machines. 3,253,387, 5-31-66, Cl. 53—234.

Schmermund, Alfred. Electric impulse storing devices and packaging machines comprising such devices. 3,274,389, 9-20-66, Cl. 250—205.

Schmermund, Alfred. Means for cutting a web to produce overlapped sheets. 3,274,870, 9-27-66, Cl. 83—88.

Schmermund, Alfred. Devices for handling elongated articles. 3,278,077, 10-11-66, Cl. 221—1.

Schmermund, Alfred. Packing machines. 3,282,407, 11-1-66, Cl. 198—175.

Schmermund, Alfred. Guiding devices in cigarette handling machines. 3,282,443, 11-1-66, Cl. 214—1.

Schmermund, Alfred. Packing machines. 3,293,825, 12-27-66, Cl. 53—186.

Schmermund, Alfred, E. Beermann, and S. Knecht, said Beermann and said Knecht assors. to said Schmermund. Control devices for automatic packing machines. 3,282,401, 11-1-66, Cl. 198—40.

Schmetter, Ronald M., to Zenith Radio Corp. Phonographs. 3,281,154, 10-25-66, Cl. 274—24.

Schmetterer, Benjamin A., and F. E. Wills. Coating with a polyamideepoxy resin. 3,251,708, Cl. 117—71.

Schmid, Bruce K.: *See*—
Beuther, Harold, McKinney, Rice, Schmid, Stewart, and Sutphin. 3,245,901.
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Schmid, Erich: *See*—
Graf, Wilfried, Schmid, and Stoll. 3,247,241.

Schmid, Frank R., to The National Cash Register Co. Character recognition system having error detection means. 3,270,319, 8-30-66, Cl. 340—146.3.

Schmid, Hans, and H. R. Mühlemann, to GABA AG. Quaternary ammonium fluorides. 3,277,118, 10-4-66, Cl. 260—347.7.

Schmid, Hansjakob: *See*—
Fischer, Balthasar, Schmid, and Scholz. 3,264,304.

Schmid, Heinrich. Apparatus for accelerating the pick stroke at a loom. 3,242,950, 3-29-66, Cl. 139—147.

Schmid, Heinrich, and M. Huber, to Pallz A.G. Infusor-type coffee apparatus. 3,288,049, 11-29-66, Cl. 99—289.

Schmid, Herman: *See*—
Grindle, Bialne D., and Schmid. 3,277,395.

Schmid, John H., to Zurn Industries, Inc. Adjustable cleanout. 3,255,912, 6-14-66, Cl. 220—3.4.

Schmid, John H., to Zurn Industries, Inc. Fitting for batteries of wall mounted wall closets. 3,271,054, 9-6-66, Cl. 285—93.

Schmid, John H., H. L. Rhoades, Jr., and L. J. Mackiewicz, to Zurn Industries, Inc. Fitting for a wall closet. 3,252,168, 5-24-66, Cl. 4—252.

Schmid, John H., and R. J. Zentis, to Zurn Industries, Inc. Automatic strainer. 3,256,995, 6-21-66, Cl. 210—111.

Schmid, John H., and R. H. Palmer, to Zurn Industries, Inc. Filter. 3,276,590, 10-4-66, Cl. 210—206.

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Schmid, Michael R.: *See*—
Bergantz, Joseph A., Brunsvold, and Schmid. 3,264,072.

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Check, Mathias M., and Schmid. 3,252,178.

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Robinson, Wendell W., and Schmid. 3,242,691.

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Schmidle, Claude J., and G. L. Brown, to Rohm & Haas Co. Polymer dispersions using hydrocarbons and graft copolymer dispersing agents. 3,232,903, 2-1-66, Cl. 260—33.6.

Schmidle, Claude J., and G. L. Brown, to Rohm & Haas Co. Polymer dispersions using hydrocarbons and graft copolymer dispersing agents. 3,255,135, 6-7-66, Cl. 260—23.

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Schmidt, Alfred, to Form-Gesellschaft fur Formgebung m.b.H. Portable container of synthetic material adapted to be stacked. 3,270,922, 9-6-66, Cl. 222—143.

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Schmidt, Arthur L. Vehicle air deflector. 3,276,811, 10-4-66, Cl. 296—1.

Schmidt, Carl O., Jr., to The Cincinnati Butchers' Supply Co. Hide removing device. 3,229,328, 1-18-66, Cl. 17—21.

Schmidt, Charles T., H. S. Gutenstein, and S. J. Zannoni, to Borg-Warner Corp. Holder means for retractable safety seat belt means. 3,230,009, 1-18-66, Cl. 297—388.

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Schmidt, David, to Escher Wyss, Aktiengesellschaft. Closed-circuit thermal power plant with waste-heat utilization in a distillation plant. 3,243,359, 3-29-66, Cl. 202—174.

Schmidt, Edwin H., to Honeywell Inc. Blocking oscillator employing two switch means for setting and automatically resetting magnetic core transformer. 3,229,121, 1-11-66, Cl. 307—88.5.

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Gilmore, William J., and Schmidt. 3,286,544.

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Schmidt, George A., to Strick Corp. Railroad car with elastic means to isolate van size container thereon. 3,269,333, 8-30-66, Cl. 105—366.

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Schmidt, George A., and A. J. Gonas, to General Motors Corp. Wheel cover. 3,294,452, 12-27-66, Cl. 301—37.

Schmidt, Glenn A., 30% to N. L. Chalfin. Dual heat level soldering iron. 3,247,358, 4-19-66, Cl. 219—240.

Schmidt, Gustav A., to General Electric Co. Process for making organopoly siloxanes. 3,260,699, 7-12-66, Cl. 260—46.5.

Schmidt, Hans: *See*—
Fernholz, Hans, Schmidt, and Luck. 3,290,368.

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Schmidt, Hans, to Pines Engineering Co., Inc. Chuck fixture for tube bending apparatus. 3,280,612, 10-25-66, Cl. 72—298.

Schmidt, Harold N., and M. N. Turetzky, to General Aniline & Film Corp. Conditioning of phthalocyanine pigments. 3,252,991, 5-24-66, Cl. 260—314.5.

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Schmidt, Heinz, G. Roos, and O. Mauz, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Aromatic amine stabilized polyacetals. 3,249,582, 5-3-66, Cl. 260—45.9.

Schmidt, Heinz, and G. Roos, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Amine stabilized trioxane copolymers. 3,294,734, 12-27-66, Cl. 260—45.9.

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Pfeiffer, Gerhard, Schmidt, Stetzelberg, and Winkler. 3,236,913.

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Zievers, James F., and Schmidt. 3,233,739.

Schmidt, Henry, Jr., and E. A. Borre. Filter apparatus. 3,240,338, 3-15-66, Cl. 210—141.

Schmidt, Henry, Jr., and E. A. Borre, to Industrial Filter & Pump Mfg. Co. Filtration apparatus. 3,244,286, 4-5-66, Cl. 210—333.

Schmidt, Henry, Jr., and J. F. Zievers, to Industrial Filter & Pump Mfg. Co. Filter sluicing method and apparatus. 3,285,417, 11-15-66, Cl. 210—81.

Schmidt, Herbert: *See*—
Christian, Manfred, Schmidt, and Eisele. 3,240,190.

Schmidt, Herbert. Brush belt, especially for rotary brushes. 3,256,546, 6-21-66, Cl. 15—183.

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Schmidt, Irving, and J. F. Taylor, to Multi-Metal Wire Cloth Co., Inc. Filter leaf structure. 3,263,819, 8-2-66, Cl. 210—486.

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Brown, Nestor, Jr., and Schmidt. 3,290,022.

Schmidt, James J.: *See*—
Gerhardt, Andrew H., and Schmidt. 3,287,940.

Schmidt, John: *See*—
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Obszarny, Theodore J., Rowell, Schmidt, and Wright. 3,242,285.

Schmidt, John, Jr., to Guardian Electric Mfg. Co. Slide-on lifter for switch blades. 3,258,571, 6-28-66, Cl. 200—166.

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Schmidt, Kurt, to General Electric Co. High pressure sodium vapor lamp. 3,248,590, 4-26-66, Cl. 313—184.

Schmidt, Lawrence D., to Allied Chemical Corp. Method for injecting particulate coal into a blast furnace. 3,240,587, 3-15-66, Cl. 75—42.

Schmidt, Lawrence W., to Hoffman Electronics Corp. Zero torque-producing motor. 3,252,023, 5-17-66, Cl. 310—115.

Schmidt, Lothar V. B. Freeway safety device. 3,266,013, 8-9-66, Cl. 340—31.

Schmidt, Ludwig M., to Sperry Rand Corp. Record punching mechanism. 3,276,681, 10-4-66, Cl. 234—119.

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Hughes, Clyde E., and Worsley. 3,280,723.

Schmidt, Max. Method and apparatus for packing Christmas tree balls or similar delicate objects. 3,228,167, 1-11-66, Cl. 53—29.

Schmidt, Max. Packing hollow bodies of plastic. 3,292,840, 12-20-66, Cl. 229—8.

Schmidt, Norwin, and R. P. Fritsch, to Werner & Pfleiderer. Housing for screw extruders. 3,268,949, 8-30-66, Cl. 18—2.

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Schmidt, Paul, K. Eichenberger, and M. Wilhelm, to Ciba Corp. Aminopyrazoles. 3,228,947, 1-11-66, Cl. 260—293.

Schmidt, Paul, M. Wilhelm, and K. Eichenberger, to Ciba Corp. New ureas and process for preparing same. 3,234,210, 2-8-66, Cl. 260—239.

Schmidt, Paul, K. Eichenberger, and M. Wilhelm, to Ciba Corp. Pyrazolé carboxylic acid hydrazides. 3,234,217, 2-8-66, Cl. 260—240.

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Schmidt, Paul, K. Eichenberger, and M. Wilhelm, to Ciba Corp. New sulfonamides. 3,250,761, 5-10-66, Cl. 260—162.

Schmidt, Paul, K. Eichenberger, A. Rossi and M. Wilhelm, to Ciba Corp. New anthranilic acid hydrazides. 3,250,764, 5-10-66, Cl. 260—239.8.

Schmidt, Paul, K. Eichenberger, A. Rossi and M. Wilhelm, to Ciba Corp. New 4 :6-dialkyl-pyrazolo[3 :4-b]pyridines. 3,250,769, 5-10-66, Cl. 260—247.1.

Schmidt, Paul, K. Eichenberger, A. Rossi and M. Wilhelm, to Ciba Corp. Synthesis of 1 :4-diazines. 3,250,770, 5-10-66, Cl. 260—247.5.

Schmidt, Paul, K. Eichenberger, A. Rossi and M. Wilhelm, to Ciba Corp. Diazines and process for their manufacture. 3,250,774, 5-10-66, Cl. 260—250.

Schmidt, Paul, K. Eichenberger, and M. Wilhelm, to Ciba Corp. New isoxazoles. 3,277,105, 10-4-66, Cl. 260—295.

Schmidt, Paul, K. Eichenberger, A. Rossi, and M. Wilhelm, to Ciba Corp. 1 :4-diazine preparation and certain pteridenes produced thereby. 3,284,452, 11-8-66, Cl. 260—247.5.

Schmidt, Paul, and E. Schweizer, to Ciba Corp. Certain 2-oxyalkyl-4-halogenopyrimidines and intermediates therefor. 3,290,306, 12-6-66, Cl. 260—247.5.

Schmidt, Paul F., to Westinghouse Electric Corp. Unipolar transistor. 3,252,003, 5-17-66, Cl. 307—88.5.

Schmidt, Paul G., to E. I. du Pont de Nemours and Co. Heating device. 3,245,023, 4-5-66, Cl. 338—211.

Schmidt, Philip S., to Bell Aerospace Corp. Ground effect machine. 3,261,420, 7-19-66, Cl. 180—7.

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Schmidt, Richard, to Franz Morat, G.m.b.H. Circular knitting machine for making uniform loops. 3,237,430, 3-1-66, Cl. 66—19.

Schmidt, Richard. Torque transmitting system. 3,246,694, 3-29-66, Cl. 64—19.

Schmidt, Richard. Steering column assembly. 3,258,988, 7-5-66, Cl. 74—493.

Schmidt, Richard, to Franz Morat G.m.b.H. Variable knitting machine drive. 3,269,216, 8-30-66, Cl. 74—675.

Schmidt, Richard, to United States of America, National Aeronautics and Space Administration. Reactance control system. 3,270,985, 9-6-66, Cl. 244—1.

Schmidt, Richard, to Franz Morat G.m.b.H. Enclosed circular knitting machine. 3,274,803, 9-27-66, Cl. 66—168.

Schmidt, Richard, W. Jansch, and R. Rall, to Morat Franz, G.m.b.H. Thread feeding arrangement for knitting machines. 3,232,078, 2-1-66, Cl. 66—145.

Schmidt, Richard, and H. J. Stock, to Franz Morat G.m.b.H. Thread selector apparatus. 3,274,802, 9-27-66, Cl. 66—138.

Schmidt, Richard, and H. J. Stock, to Franz Morat G.m.b.H. Thread transporting drive. 3,294,328, 12-27-66, Cl. 242—47.01.

Schmidt, Richard J. Hospital bed bath. 3,246,346, 4-19-66, Cl. 4—177.

Schmidt, Richard O., to The Firman L. Carswell Mfg. Co., Inc. Sub-structure for boat docks. 3,279,141, 10-18-66, Cl. 52—656.

Schmidt, Richard P. Method of making a laminated glass assembly. 3,281,297, 10-25-66, Cl. 156—106.

Schmidt, Robert F., and H. A. Leidecker, to Elgin Sweeper Co. Street sweeping machine. 3,292,195, 12-20-66, Cl. 15—87.

Schmidt, Roger N., to Honeywell Inc. Solar heat absorbers comprising alternate layers of metal and dielectric material. 3,272,986, 9–13–66, Cl. 250—86.

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Schmidt, Rudolf, to Bell Telephone Laboratories, Inc. Semiconductor contact. 3,231,421, 1–25–66, Cl. 117—212.

Schmidt, Rudolf, to Bell Telephone Laboratories, Inc. Electrodes to semiconductor wafers. 3,239,376, 3–8–66, Cl. 117—212.

Schmidt, Rudolph. Self-locking sheet metal nut. 3,241,590, 3–22–66, Cl. 151—37.

Schmidt, Rudolph. Assembled threaded fastener and lock washer units. 3,258,048, 6–28–66, Cl. 151—37.

Schmidt, Theodor, to Indugas, Gesellschaft fur Industrielle Gasverwendung m.b.H. Industrial gas burner. 3,285,240, 11–15–66, Cl. 126—91.

Schmidt, Theodore A.: *See*—
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Schmidt, Thomas R., to Shell Oil Co. Self-contained pipeline inspecting system. 3,243,697, 3–29–66, Cl. 324—37.

Schmidt, Thomas R., to Shell Oil Co. Apparatus for adjusting the amplitude and phase of pickup coils of eddy current instruments. 3,286,168, 11–15–66, Cl. 324—40.

Schmidt, Ulrich, to E. Merck Aktiengesellschaft. Lipoic acid derivatives and their preparation. 3,288,797, 11–29–66, Cl. 260—294.8.

Schmidt, Walter, to Loewe Opta G.m.b.H. Electronic flash unit for photographic purposes. 3,263,583, 8–2–66, Cl. 95—11.

Schmidt, Walther, to Reynolds Metals Building. Extraction of aluminum using mercury containing mercuric halide. 3,243,281, 3–29–66, Cl. 75—68.

Schmidt, Walther, to Reynolds Metals Co. Method of solidifying molten metal. 3,247,557, 4–26–66, Cl. 22—215.

Schmidt, Walther, to Reynolds Metals Co. Thermal reduction. 3,257,199, 6–21–66, Cl. 75—68.

Schmidt, Walther, and J. W. Carson, to Reynolds Metals Co. Metallurgical system. 3,240,590, 3–15–66, Cl. 75—63.

Schmidt, Walther, and G. P. Koch, to Reynolds Metals Co. Thermal reduction. 3,254,988, 6–7–66, Cl. 75—68.

Schmidt, Warren E., to Lord Corp. Rotor head. 3,292,712, 12–20–66, Cl. 170—160.53.

Schmidt, Warren E., P. R. Woodford, and J. H. Gorndt, to Lord Corp. Engine mounting system. 3,288,404, 11–29–66, Cl. 248—5.

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Dorfel, Johnannes, Holzinger, W. and H. Schmidt, and Ziemer. 3,256,172.

Schmidt, Werner H., J. P. McNaught, and K. S. Baker, to Lever Bros. Co. Margarine oil and method of making. 3,240,608, 3–15–66, Cl. 99—122.

Schmidt, Wilfred G.: *See*—
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Schmidt, Wilhelm E. A.: *See*—
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Schmidt, Wilhelm E. A., to Western Electric Co., Inc. Method of and apparatus for packaging electrical components. 3,245,193, 4–12–66 Cl. 53—3.

Schmidt, William. Automatic machining apparatus. 3,260,161, 7–12–66, Cl. 90—13.5.

Schmidt, William C., to The Cincinnati Butchers' Supply Co. Hide peeler. 3,235,905, 2–22–66, Cl. 17—21.

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Schmidt, Wolfgang, and G. W. Schumann, to North American Philips Co., Inc. Device of the kind comprising a high-power klystron with getter ion pump connected thereto. 3,244,933, 4–5–66, Cl. 315—5.39.

Schmidt-Nickels, Wilhelm: *See*—
Katz, Leon, and Schmidt-Nickels. 3,271,422.
Katz, Leon, and Schmidt-Nickels. 3,271,423.
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Randall, David I., and Schmidt-Nickels. 3,271,435.
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Schmidt-Nickels, Wilhelm, to General Aniline & Film Corp. Organic azo-anthraquinone and phthalocyanine dyestuffs. 3,278,515, 10–11–66, Cl. 260—163.

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Schmid-Wildy, Ludwig. Rod shaped battery with synthetic material casing. 3,275,477, 9–27–66, Cl. 136—90.

Schmied, Joseph M., to M-C-T Enterprises, Inc. Method for packaging articles with transparent film. 3,245,198, 4–12–66, Cl. 53—32.

Schmied, Joseph M., to M-C-T Enterprises, Inc. Apparatus for field wrapping lettuce with transparent film. 3,269,090, 8–30–66, Cl. 53—221.

Schmied, Rudolf, to Alpura A.G. Method of and apparatus for sterile packaging of sterile consumer goods. 3,269,079, 8–30–66, Cl. 53—28.

Schmiedel, Ludwig, to Starcosa G.m.b.H. & Co. Processes and apparatus for the separation of solids from a suspension. 3,282,497, 11–1–66, Cl. 233—7.

Schmiedel, Robert C., to Kiekhaefer Corp. Electric motor control. 3,231,806, 1–25–66, Cl. 318—252.

Schmieding, Warren H. F.: *See*—
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Vogel, Arthur E. 3,257,122.

Schmiel, Herbert H., and L. G. Hajma. Fluid system with valve actuated pump motor switch. 3,228,193, 1–11–66, Cl. 60—52.

Schmiel, Herbert H., and A. L. Zander, to Parker-Hannifin Corp. Industrial gear pump. 3,251,309, 5–17–66, Cl. 103—126.

Schmieler, William L. Heating furnace. 3,274,991, 9–27–66, Cl. 126—110.

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Schmitt, Charles R., to United States of America, Atomic Energy Commission. Novel metal microspheres and their manufacture. 3,264,073, 8–2–66, Cl. 29—182.

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Schmitt, John A., to The Dow Chemical Co. Process of preparing polycarbonates by contacting a monochloroformate with an insoluble crosslinked copolymer containing quaternary ammonium groups. 3,254,051, 5–31–66, Cl. 260—47.

Schmitt, John M., to United States of America, Atomic Energy Commission. Monoalkyl phosphoric acid extraction of cesium and strontium values. 3,258,315, 6–28–66, Cl. 23—312.

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Schmitt, Karl, J. Disteldorf, and H.-J. Haage, to Hibernia-Chemie Gesellschaft mit beschrankter Haftung. Process for the production of melamine using the specific resistance heat of urea. 3,251,842, 5–17–66, Cl. 260—249.7.

Schmitt, Karl, J. Disteldorf, W. Hubel, and K. Rindtorff, to Hibernia-Chemie Gesellschaft mit beschrankter Haftung. Process for the manufacture of gamma-ketocarboxylic acid nitriles. 3,270,044, 8–30–66, Cl. 260—464.

Schmitt, Karl, and E. Lindner, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. 4,4-disubstituted-N-alkyl piperidines. 3,278,541, 10–11–66, Cl. 260—294.

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Schmitt, Paul, to Mannesmann-Meer Aktiengesellschaft. Machine for straightening elongated bodies. 3,254,520, 6–7–66, Cl. 72—112.

Schmitt, Paul C., to Le Creuset. Open-air roaster. 3,230,948, 1–25–66, Cl. 126—25.

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Schmitt, Robert T. Power line alarm responsive to plural current interruptions in a predetermined time. 3,239,830, 8–3–66, Cl. 340—310.

Schmitt, Roman A., to General Dynamics Corp. Method for determining organically bound halide in a liquid. 3,254,210, 5–31–66, Cl. 250—43.5.

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Schmitter, Walter P., deceased (by A. L. Schmitter, and R. V. Abendroth, co-executors), and D. G. Bernard, to The Falk Corp. Variable speed thru-motor drive. 3,273,000, 9–13–66, Cl. 310—98.

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Schmitz, Gert F., to Thiokol Chemical Corp. Mechanical actuator. 3,285,082, 11–15–66, Cl. 74—110.

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Schmitz, Peter, and D. Delfs, to Farbenfabriken Bayer Aktiengesellschaft. Tetraazaporphine dyestuffs. 3,238,221, 3–1–66, Cl. 260—314.5.

Schmitz, Robert D., to Hodges Chemicals Co. Resin curing. 3,281,515, 10–25–66, Cl. 264—236.

Schmitz, Rudolf, to Gardisette G.m.b.H. Curtain and curtain fabric for its manufacture. 3,259,151, 7–5–66, Cl. 139—425.

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Schmolka, Irving R., and J. W. Compton, to Wyandotte Chemicals Corp. Foaming detergent compositions. 3,250,719, 5–10–66, Cl. 252—152.

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Schmoock, Roy F., to Fischer & Porter Co. Electromagnetic flowmeter measuring apparatus. 3,260,109, 7–12–66, Cl. 73—194.

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Schmultzler, Reinhard, to E. I. du Pont de Nemours and Co. Complexes of organophosphorus fluorides with zerovalent transition metals. 3,242,171, 3–22–66, Cl. 260—242.

Schmutzler, Reinhard, to E. I. du Pont de Nemours and Co. Fluorophosphoranes. 3,246,032, 4–12–66, Cl. 260—543.

Schmutzler, Reinhard, to E. I. du Pont de Nemours and Co. Fluorine-containing 1,3,2,4-diazodiphosphetadines. 3,287,406, 11–22–66, Cl. 260—543.

Schnaar, Herbert. Precast patio blocks. 3,242,832, 3–29–66, Cl. 94—11.

Schnabel, Harry J. Nailing clip. 3,226,781, 1–4–66, Cl. 20—92.

Schnabel, Harry, Jr. Method of reinforcing deep excavations. 3,243,963, 4–5–66, Cl. 61—39.

Schnabel, William H. Crankcase ventilator. 3,257,995, 6–28–66, Cl. 123—41.86.

Schnacke, Walter H. Track link assembly seal. 3,235,315, 2–15–66, Cl. 305—11.

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Schnatz, Gustav, and L. Richter. Apparatus for determining the moisture content of grain, or the like. 3,293,907, 12–27–66, Cl. 73—73.

Schnebelen, David F., Jr., to The Dow Chemical Co. High impact strength vinyl chloride polymer compositions containing an ethylene-vinyl alkanoate copolymer and a chlorinated polyolefin. 3,283,035, 11–1–66, Cl. 260—897.

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Schneberger, Edward J., to The Bunker-Ramo Corp. Memory system. 3,275,991, 9–27–66, Cl. 340—172.5.

Schneberger, Edward J., to Bunker-Ramo Corp. Data processing apparatus including means for processing word and character formatted data. 3,292,158, 12–13–66, Cl. 340—172.5.

Schneberger, Edward J., A. D. Scarbrough, M. G. Bienhoff, and T. A. Connolly, to TRW Inc. Stored logic computer. 3,258,748, 6–28–66, Cl. 340—172.5.

Schneberger, Edward J., and M. G. Bienhoff, to The Bunker Ramo Corp. Binary addition apparatus. 3,290,494, 12–6–66, Cl. 235—175.

Schneble, Frederick W., Jr., R. J. Zeblisky, J. F. McCormack, and J. D. Williamson, to Day Co. Electroless copper plating. 3,257,215, 6–21–66, Cl. 106—1.

Schneble, Frederick W., Jr., J. F. McCormack, R. J. Zeblisky, J. D. Williamson, and J. Polichette, to Day Co. Method for electroless copper plating. 3,259,559, 7–5–66, Cl. 204—38.

Schneble, Frederick W., Jr., R. J. Zeblisky, J. F. McCormack, and J. D. Williamson, to Day Co. N.V. Method for electroless copper plating. 3,269,861, 8–30–66, Cl. 117—212.

Schnechter, Alfred, to Phillips Petroleum Co. Multipacks for perishable merchandise. 3,292,810, 12–20–66, Cl. 220—4.

Schneckenburger, Emil, to Aktiengesellschaft der von Moos'Schen Eisenwerke. Method and apparatus for rolling an elongated metal body to form a profiled cross section. 3,228,220, 1–11–66, Cl. 72—16.

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Schneider, A. Philip and M. L., to Mary Lee Way Corp. Facial uplift apparatus employing vacuum cups. 3,236,-231, 2–22–66, Cl. 128—40.

Schneider, Abraham. Production of 2,6-dimethyl-naphthalene. 3,243,469, 3–29–66, Cl. 260—668.

Schneider, Abraham, to Sun Oil Co. Preparation of nitroalkyladamantanes. 3,258,498, 6–28–66, Cl. 260—644.

Schneider, Alan M. Navigation system. 3,232,103, 2–1–66, Cl. 73—178.

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Schneider, Armin, G. Strauss, and J. Stendel, to Knapsack-Griesheim Aktiengesellschaft. Corrosion resistant magnesium alloys having a grain-refined structure. 3,240,593, 1–15–66, Cl. 75—168.

Schneider, Arthur G., and J. A. Davis, said Davis assor. of ½ to J. Risk, K. Moore, H. Rorie, and G. Marvin. Vehicle bumper mounted motorcycle support means. 3,229,874, 1–18–66, Cl. 224—42.03.

Schneider, August, to Chemische Werke Huls Aktiengesellschaft. Waterworks filter. 3,261,472, 7–19–66, Cl. 210—274.

Schneider, August, to Chemische Werke Huls Aktiengesellschaft. Burner and furnace arrangements, particularly double burner arrangements. 3,262,430, 7–26–66, Cl. 122—235.

Schneider, Carl G., to Robertshaw Controls Co. Bellows. 3,277,927, 10–11–66, Cl. 138—121.

Schneider, Edward W., and M. S. Schoeffler, to Bell Telephone Laboratories, Inc. Operator position equipment for telephone system. 3,294,922, 12–27–66, Cl. 179—27.

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Schneider, Emmor V., to The Alliance Mfg. Co., a Division of Consolidated Electronic Industries Corp. Fan type switch. 3,254,450, 6–7–66, Cl. 49—28.

Schneider, Frank H., to Robertshaw-Controls Co. Thermally responsive fuel control valve. 3,260,500, 7–12–66, 251—232.

Schneider, Fred W., to Champion Corp. Conveyor construction. 3,253,699, 5–31–66, Cl. 198—195.

Schneider, Friedrich. Picture book. 3,257,128, 6–21–66, Cl. 281—39.

Schneider, Frederick W.: *See*—
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Thomas, Lucius E., Friedland, Schneider, and Pessen. 3,276,607.

Schneider, Gerard, to Progil. Trilithium phosphate isomerization catalyst. 3,274,121; 9–20–66, Cl. 252—437.

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Schneider, Gerhard O. K., to Stromberg Carlson Corp. Short-cut routing circuitry. 3,235,665, 2–15–66, Cl. 179—18.

Schneider, Gerhart: *See*—
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Schneider, Hans, and G. Feller. Method and apparatus for fixing relief horological figures on a watch dial plate. 3,234,-641, 2–15–66, Cl. 29—470.

Schneider, Hans-Dieter, to Fernseh G.m.b.H. Circuit arrangement for producing a sawtooth waveform of high linearity. 3,273,007, 9–13–66, Cl. 315—27.

Schneider, Harold F., and N. F. Gamel, to Schneider Packing Co. Method for collecting and preserving blood. 3,291,-612, 12–13–66, Cl. 99—21.

Schneider, Harold J.: *See*—
Wood, Fenton M., and Schneider. 3,238,448.

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Benda, Rudolf, and Schneider. 3,249,827.

Schneider, Helmut. Container for dispensing determinable amounts of a substance. 3,232,495, 2–1–66, Cl. 222—209.

Schneider, Helmuth G., and J. Clark, to Esso Research and Engineering Co. Preparation of zinc dialkyl dithiophosphates. 3,234,250, 2–8–66, Cl. 260—429.9.

Schneider, Horst, to Kloeckner-Werke A.G. Device for pushing a bar through a drawing die. 3,263,470, 8–2–66, Cl. 72—284.

Schneider, Irving, to Engelhard Hanovia, Inc. Dry cleaning machine. 3,258,847, 7–5–66, Cl. 34—45.

Schneider, Jack M., to Calmec (Mfg.) Ltd. Apparatus for moulding articles from plastic material. 3,267,523, 8–23–66, Cl. 18—19.

Schneider, Jack M., to Calmec (Manufacturing) Ltd. Apparatus for moulding articles from plastic materials. 3,271,-816, 9–13–66, Cl. 18—4.

Schneider, Jesse. 50% to N. S. Blodgett. Shampoo composition. 3,267,039, 8–16–66, Cl. 252—153.

Schneider, John D., to Hollister Inc. Umbilical cord clamp. 3,247,852, 4–26–66, Cl. 128—346.

Schneider, John D., to Hollister Inc. Urine collector. 3,292,-626, 12–20–66, Cl. 128—295.

Schneider, Jos., & Co. Optische Werke: *See*—
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Eberhardt, Anton. 3,233,514.
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Macher, Karl H. 3,274,887.
Macher, Karl, and Klemt. 3,267,803.
Macher, Karl, Solisch, and Woltche. 3,273,457.
Raab, Karlheinz. 3,267,828.
Solisch, Rudolf, and Wöltche. 3,236,151.

Schneider, Joseph, to Manufacture Belge D'Aiguilles. Container for needles and like small articles. 3,227,265, 1–4–66, Cl. 206—17.

Schneider, Joseph R., Jr. Holders for garden hoses. 3,232,-570, 2–1–66, Cl. 248—87.

Schneider, Jost, to Brown, Boveri & Cie, Aktiengesellschaft. Gas-blast circuit-breaker. 3,231,705, 1–25–66, Cl. 200—148.

Schneider, Julius E., to Phillips Petroleum Co. Oil removal from liquid refrigerant. 3,272,735, 9–13–66, Cl. 208—341.

Schneider, Karl: *See*—
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Schneider, Karl, and H.-W. Kauczor, to Farbenfabriken Bayer Aktiengesellschaft. Hydraulic fluids. 3,282,847, 11–1–66, Cl. 252—78.

Schneider, Karl-Heinz: *See*—
Kind, Wilhelm, and Schneider. 3,237,619.

Schneider, Kenneth O., A. B. Muiderman, and C. J. Barecki, to American Seating Co. Plastic connector plates for stacking chairs. 3,237,984, 3–1–66, Cl. 297—248.

Schneider, Kurt: *See*—
Pasedach, Heinrich, and Schneider. 3,238,260.

Schneider, Kurt H., to A & M Instruments, Inc. Expanded scale voltmeter bridge circuit having equal value linear and non-linear impedance arms at balance. 3,263,170, 7–26–66, Cl. 324—131.

Schneider, Kurt H., to Expando Meter Co. Expanded scale ammeter including a bridge biased transistor differential amplifier. 3,273,060, 9–13–66, Cl. 324—131.

Schneider, Kurt H., and O. G. Koessel, to Expando Meter Co. R.M.S. meter circuit using linear resistors and voltage biased diodes to approximate the square law characteristic. 3,281,-689, 10–25–66, Cl. 324—132.

Schneider, Kurt R., to Eureka Specialty Printing Co. Latch operated clutch and brake. 3,239,040, 3–8–66, Cl. 192—16.

Schneider, Kurt R., to Eureka Specialty Printing Co. Label applying machine. 3,252,849, 5–24–66, Cl. 156—363.

Schneider, Kurt R., to Eureka Specialty Printing Co. Sheet feeding apparatus. 3,273,436, 9–20–66, Cl. 83—241.

Schneider, Kurt R., to Eureka-Carlisle Co. Labeling machine. 3,274,043, 9–20–66, Cl. 156—357.

Schneider, Kurt R., and R. J. Smith, to Eureka-Carlisle Co. Fluid dispenser. 3,280,860, 10–25–66, Cl. 141—160.

Schneider, Louis J., and R. F. Hackman, to Ross-Temp. Inc. Apparatus for making flake ice. 3,290,895, 12–13–66, Cl. 62—298.

Schneider, Luther K., to Western Electric Co., Inc. Methods of locating leaks in multijacketed cable sheaths with radioactive gases. 3,247,382, 4–19–66, Cl. 250—83.3.

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Chalin, Albert, and Schneider. 3,293,640.

Schneider, Mary L.: *See*—
Schneider, A. Philip and M. L. 3,236,231.

Schneider, Morris N.: *See*—
Davis, Gifford D., and Schneider. 3,250,745.

Schneider, Norbert, to The British Petroleum Co. Ltd. Treatment of aromatic extracts. 3,249,531, 5–3–66, Cl. 208—311.

Schneider, Otto: *See*—
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Schneider, Paul: *See*—
Schwamborn, Peter, Cremer, Behrens, and Schneider. 3,263,738.

Schneider, Paul, to Farbenfabriken Bayer Aktiengesellschaft. N - phenyl - N - (1,2-dimethylpropyl)-p-phenylenediamines. 3,274,250, 9–20–66, Cl. 260—576.

Schneider, Paul F., to Armstrong Cork Co. Method for punching acoustical tile. 3,248,977, 5–3–66, Cl. 83—2.

Schneider, Paul J. Bottle sorting apparatus having selective discharge channels. 3,228,520, 1–11–66, Cl. 209—111.6.

Schneider, Paul J. Photosensitive bottle width selector. 3,248,845, 5–3–66, Cl. 250—223.

Schneider, Paul J. Bottle recognition apparatus. 3,257,897, 6–28–66, Cl. 88—14.

Schneider, Paul J. Electrical command storage and distribution system. 3,259,240, 7–5–66, Cl. 209—74.

Schneider, Paul J. Electronic bottle width selector. 3,265,-901, 8–9–66, Cl. 250—223.

Schneider, Paul J. Bottle width selector. 3,278,023, 10–11–66, Cl. 209—88.

Schneider, Peter. Pump and motor assembly. 3,256,829, 6–21–66, Cl. 103—87.

Schneider, Richard C.: *See*—
Steltz, Douglas C., and Schneider. 3,279,703.

Schneider, Richard C. Universal releasable suspension garment hanger clamp. 3,240,462, 3–15–66, Cl. 248—323.

Schneider, Richard C., and D. C. Steltz. Therapeutic bath fluid circulating apparatus. 3,271,790, 9–13–66, Cl. 4—180.

Schneider, Ronald E., and O. A. Clemens, to Swift & Co. Bacon pressing. 3,285,162, 11–15–66, Cl. 100—42.

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Schnell, Hermann, and H. Krimm, to Farbenfabriken Bayer Aktiengesellschaft. Linear, hardenable epoxy polycarbonates. 3,261,808, 7–19–66, Cl. 260—47.

Schnell, Hermann, L. Bottenbruch, H. G. Lotter, and H. Schwarz, to Farbenfabriken Bayer Aktiengesellschaft. Process for producing polycarbonates. 3,267,075, 8–16–66, Cl. 260—47.

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Schnell, Hermann, H. Krimm, and L. Bottenbruch, to Farbenfabriken Bayer Aktiengesellschaft. Thermoplastic polycarbonates of dihydroxydiarylene sulfones, and their preparation. 3,271,367, 9–6–66, Cl. 260—49.

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Schober, Erhard, A. Janson, H. Schlueter, and E. Wilhelm, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Dyeing textile material with vat and sulfur dyes. 3,265,459, 8–9–66, Cl. 8—34.

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Schofield, John J., and F. P. Schierberl, to Chandler Evans, Inc. Contaminant separating fuel pump. 3,261,294, 7–19–66, Cl. 103—5.

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Scholler, Gerhart, to Orenstein-Koppel und Lubecker Maschinenbau AG. Bucket wheel boom with movable conveyor belt. 3,260,345, 7–12–66, Cl. 198—9.

Scholten, Coenraad G. H., to Hollandie Signaalapparaten, N. V. Conditionally operating electronic data processing system. 3,234,519, 2–8–66, Cl. 340—172.5.

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Schonfeld, Arnold, and J. C. Schulte. Fluid sorter. 3,241,669, 3–22–66, Cl. 209—110.

Schonfeld, Arnold, to Sperry Rand Corp. Pneumatic tubing memory. 3,270,961, 9–6–66, Cl. 235—201.

Schonfeld, Arnold, M. Jacoby, and T. D. Reader, to Sperry Rand Corp. Keyboard encoder. 3,248,052, 4–26–66, Cl. 235—145.

Schonfeld, Arnold, and J. C. Schulte, to Sperry Rand Corp. Gas controlled electrical switch. 3,267,230, 8–16–66, Cl. 200—81.6.

Schonfeld, Arnold, and J. C. Schulte, to Sperry Rand Corp. Pressure responsive switch with liquid contact means. 3,271,543, 9–6–66, Cl. 200—81.6.

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Schonfelder, Max, and D. S. C. Rodgers, to Milksham Spencer Ltd. Infrastructure element for an installation for conveying objects by pneumatic floating. 3,283,920, 11–8–66, Cl. 214—1.

Schonfeldt, Nikolaus A., K. H. Grunewald, and O. R. Steijner, to Mo Och Domsjo Aktiebolag. Methods of producing regenerated cellulose. 3,232,779, 2–1–66, Cl. 106—165.

Schonholzer, Emil T., and E. M. Perrin, to Westinghouse Electric Corp. Pulse producing apparatus. 3,252,077, 5–17–66, Cl. 323—22.

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Schoolcraft, Paul B., and R. W. French. Magnetic game apparatus. 3,232,620, 2–1–66, Cl. 273—134.

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Schooler, Nathan. Combined floor supported and wall contained pedestal structure and cantilever partition assembly 3,283,453, 11–8–66, Cl. 52—73.

Schooley, Maurice A., and B. M. Shinn, to Armour and Co. Growth promotant process. 3,272,702, 9–13–66, Cl. 167—53.

Schooley, Robert W., Jr. Web width measuring and recording apparatus. 3,233,328, 2–8–66, Cl. 33—143.

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Gobhai, Cavas M., and Schoppe. 3,260,457.

Schoppe, Edward, Jr., and C. M. Gobhai, to The Foxboro Co. Fluid logic bi-directional binary counter device. 3,237,858, 3–1–66, Cl. 235—201.

Schoppe, Fritz. Boiler for the heating or vaporization of a liquid medium. 3,254,635, 6–7–66, Cl. 122—240.

Schoppe, Fritz. Boiler for the heating or vaporization of a liquid medium. 3,289,642, 12–6–66, Cl. 122—240.

Schoppe, Wayne F., and A. L. Medesha, to Ingersoll-Rand Co. Torque releasing clutch mechanism. 3,235,050, 2–15–66, Cl. 192—150.

Schoppman, Robert A., to Aeroquip Corp. Tube union removal tool. 3,240,912, 3–15–66, Cl. 219—7.5.

Schoppman, Robert A., and A. R. Konecny, to Aeroquip Corp. Brazing tool. 3,268,703. 8–23–66, Cl. 219—9.5.

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Schorghuber, Franz, to Kuche und Haustechnik G.m.b.H. Knockdown furniture. 3,284,152, 11–8–66, Cl. 312—257.

Schork, Rudolf, and K. Steinhardt, to Junkers & Co. G.m.b.H. Snap acting valve for gas burners and the like. 3,230,973, 1–25–66, Cl. 137—625.33.

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Schott, Arthur K., to Houdaille Industries, Inc. Gaging apparatus for a machine tool. 3,274,689, 9–27–66, Cl. 33—125.

Schott, Arthur K., K. J. Bartha, and C. L. Rovoldt, to Houdaille Industries, Inc. Punching machine and structure therefor. 3,269,241, 8–30–66, Cl. 83—144.

Schott, Arthur K., K. J. Bartha, and C. L. Rovoldt, to Houdaille Industries, Inc. Punching machine with detachable tool holder. 3,270,605, 9–6–66, Cl. 83—522.

Schott, Charles M., to Mars, Inc. Wafer cutting apparatus and method. 3,288,089, 11–29–66, Cl. 107—69.

Schott, Charles M., Jr., to Gloucester Engineering Co., Inc. Cutting blade assembly. 3,270,606, 9–6–66, Cl. 83—579.

Schott, Charles M., Jr., to The First National Bank of Boston. Die. 3,271,560, 9–6–66, Cl. 219—243.

Schott, Charles W. Glass spheres and underground proppants and methods of making the same. 3,242,032, 3–22–66, Cl. 161—1.

Schott, Charles W. Vitreous spheres of slag and slag-like materials and underground proppants. 3,245,866, 4–12–66, Cl. 161—168.

Schott, Charles W. Method of treating a preformed glassy object. 3,250,603, 5–10–66, Cl. 65—22.

Schott, Donald E., to The Babcock & Wilcox Co. Safety devices for oil burners. 3,267,988, 8–23–66, Cl. 158—73.

Schott, Marcel R., to Societe d'Exploitation des Materiels Hispano-Suiza. Hydraulic machines of the barrel and swash plate type. 3,237,570, 3–1–66, Cl. 103—162.

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Schöttle, Ulrich, and R. Piloty, to International Standard Electric Corp. Space information and reservation system. 3,241,117, 3–15–66, Cl. 340—153.

Schottler, Henry, to Roller Gear Ltd. Variable speed drive transmission. 3,229,538, 1–18–66, Cl. 74—198.

Schottler, Henry, to Roller Gear Ltd. Variable speed drive transmission. 3,237,468, 3–1–66, Cl. 74—198.

Schottler, Henry, to Roller Gear Ltd. Variable speed transmission. 3,238,816, 3–8–66, Cl. 74—690.

Schottler, Henry, to Roller Gear Ltd. Variable speed drive transmission. 3,248,960, 5–3–66, Cl. 74—200.

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Schoute, Johannes, to International Business Machines Corp. Pulse circuit generating noise discriminated time-reference pulses from analog input. 3,280,346, 10–18–66, Cl. 307—88.5.

Schovee, John R., 15% to P. J. Miller. Overshoe. 3,283,423, 11–8–66, Cl. 36—7.3.

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Schrader, Albert, and H. Schenk, to Siemens-Schuckertwerke Aktiengesellschaft. Magnetic data transfer apparatus. 3,238,515, 3–1–66, Cl. 340—174.

Schrader, Carl N., to Rockwell-Standard Corp. Hydrodynamic bladed wheel assemblies. 3,240,153, 3–15–66, Cl. 103—115.

Schrader, Carl N., Jr., to Rockwell-Standard Corp. Method and apparatus for making a one-piece core for casting bladed wheels. 3,278,997, 10–18–66, Cl. 22—13.

Schrader, Carlton F., and K. R. Mattson, to Inland Steel Co. Method for adding tellurium to steel. 3,228,766, 1–11–66, Cl. 75—129.

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Schrader, Charles L., and L. W. Ramstrom, to Ingersoll-Rand Co. Rotary impact tool. 3,272,265, 9–13–66, Cl. 173—93.

Schrader, Clarence O., to Eversharp, Inc. Single cap opening and blade adjusting means for razors having sectional caps. 3,293,745, 12–27–66, Cl. 30—60.5.

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Schrader, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. (Thio) phosphoric (phosphonic, phosphinic) acid esters and processes for their production. 3,229,001, 1–11–66, Cl. 260—948.

Schrader, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. Thiophosphonic acid esters. 3,248,412, 4–26–66, Cl. 260—455.

Schrader, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. Alkyl phosphonic and thiophosphonic aryl ester amides. 3,260,712, 7–12–66, Cl. 260—949.

Schrader, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. Bis-N,N-dialkylamino phosphoric acid esters of O,O-dialkyl-α-hydroxy-β,β,β-trichloroethylphosphonates. 3,271,480, 9–6–66, Cl. 260—931.

Schrader, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. Thiol- or thionothiolphosphoric (-phosphonic, -phosphinic) acid esters. 3,277,216, 10–4–66, Cl. 260—948.

Schrader, Gerhard, to Farbenfabriken Bayer Aktiengesellschaft. O-alkyl-O-cycloalkyl-S-alkylthiolphosphoric acid esters. 3,294,874, 12–27–66, Cl. 260—948.

Schrader, Gerhard, W. Lorenz, R. Colln, and H. Schlor, to Farbenfabriken Bayer Aktiengesellschaft. Insecticidal (thio)phosphinic acid esters. 3,232,830, 2–1–66, Cl. 167—22.

Schrader, Gerhard, and P.-E. Frohberger, to Farbenfabriken Bayer Aktiengesellschaft. Fungitoxic agents. 3,275,501, 9–27–66, Cl. 167—22.

Schrader, Gerhard, and W. Lorenz, to Farbenfabriken Bayer Aktiengesellschaft. Thiol-phosphoric (-phosphonic, -phosphinic) or thionothiol-phosphoric (-phosphonic, -phosphinic) acid esters. 3,277,215, 10–4–66, Cl. 260—948.

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Schrader, Martin W. Connecting rod assembly. 3,286,535, 11–22–66, Cl. 74—44.

Schrader, Raymond G. Amphibious mud and water vehicle. 3,229,658, 1–18–66, Cl. 115—1.

Schrader, Robert W., to AMP Inc. Automatic terminal applicator mechanism. 3,263,316, 8–2–66, Cl. 29—203.

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Schrader, Roger F., W. H. Airgood, and G. C. Nonken, to General Electric Co. Hermetically sealed distribution transformer. 3,233,198. 2–1–66, Cl. 336—94.

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Schrag, Eugen, Apparatebau, Kommanditgesellschaft: *See*—
Micko, Oswald W. 3,276,506.

Schrager, Jerome S., and H. E. Wixon, to Colgate-Palmolive Co. Manufacture of detergent tablets. 3,247,123, 4–19–66, Cl. 252—135.

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Schramel, Franz J., to North American Philips Co., Inc. Device for rendering ineffective errors occurring in the code groups written on an information carrier by a writer fed from a source of information. 3,234,508, 2–8–66, Cl. 340—146.1.

Schramel, Franz J., and H. Kok, to North American Philips Co., Inc. Apparatus for receiving messages and transmitting them in certain of a number of directions. 3,246,298., 4–12–66, Cl. 340—172.5.

Schramko, Bernard M. Razor blade sharpener. 3,266,198, 8–16–66, Cl. 51—158.

Schramm, Arthur G. Demobilizing means for balance beams of portable weighing scales. 3,249,163, 5–3–66, Cl. 177—155.

Schramm, Charles H., to J. T. Baker Chemical Co. Cis-polybutadiene modified copolymers of alpha-methylstyrene and methyl methacrylate. 3,230,277, 1–18–66, Cl. 260—880.

Schramm, Charles H., and M. Zief, to J. T. Baker Chemical Co. Resinous polycarbonate esters of cyclohexane-1,4-dimethanol. 3,245,963, 4–12–66, Cl. 260—77.5.

Schramm, Gerhard, H. Grötsch, and W. Pollmann, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Brüning. Process for the preparation of polysaccharides. 3,236,830, 2–22–66, Cl. 260—209.

Schramm, Gerhard, H. Grotsch, and W. Pollmann, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing nucleosides. 3,278,518, 10–11–66, Cl. 260—211.5.

Schramm, Harry B., deceased by J. Schramm, independent executrix, to Otis Engineering Corp. Locking mechanism for well devices. 3,255,723, 6–7–66, Cl. 166—217.

Schramm, Henry W., and A. G. Parkes, to Midland-Ross Corp. Closure means for furnace vestibule. 3,262,407, 7–26–66, Cl. 110—173.

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Schramm, James N.: *See*—
Sonnabend, Lawrence F., and Schramm. 3,288,884.

Schramm, John A., to Radio Corp. of America. Method of fabricating a semiconductor device. 3,281,915, 11–1–66, Cl. 29—25.3.

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Schramm, Leslie B., and R. D. Harlow, to Schramm, Inc. Air supply system. 3,232,340, 2–1–66, Cl. 165—103.

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Schrank, M. C., Co.: *See*—
Schrank, Max C. 3,279,069.

Schrank, Max C., deceased, (R. M. Schrank, B. S. Needle, N. D. Schrank, L. D. Schrank, and H. Cassman, executors), to M. C. Schrank, Co. Pattern for article of sleepwear 3,279,069, 10–18–66, Cl. 33—12.

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Schrank, Rosalie M.: *See*—
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Schraufstatter, Ernst: *See*—
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Schray, George K., to Leupold & Stevens Instruments, Inc. Reticle for a sighting instrument. 3,286,352, 11–22–66, Cl. 33—50.

Schray, Walter H., to United Steel & Wire Co. Stacking and nesting case. 3,272,377, 9–13–66, Cl. 220—19.

Schreck, Harold J.: *See*—
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Rockerath, John L., Goppert, and Schreck. 3,286,669.

Schreck, Irvin F. Truck steering gear. 3,239,025, 3–8–66, Cl. 180—79.2.

Schreder, Kenneth D.: *See*—
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Schregenberger, Alex J., to Midland-Ross Corp. Method and apparatus for the treatment of moisture containing materials in gaseous streams. 3,254,420, 6–7–66, Cl. 34—10.

Schregenberger, Alex J., to Midland-Ross Corp. Conveying and treating apparatus. 3,287,821, 11–29–66, Cl. 34—156.

Schreiber, Anthony J., and H. W. Sherman, to Avisun Corp. Apparatus for manufacturing continuous film. 3,245,117, 4–12–66, Cl. 18—15.

Schrieber, Dag S., to AB Deber-Kontroll. Capacitive electrode for flow measurement in open channels. 3,269,180, 8–30–66, Cl. 73—215

Schreiber, Frederick W.: *See*—
Bright, Willard M., and Schreiber. 3,241,731.

Schreiber, George: *See*—
Schreiber, Joseph and G. 3,276,328.

Schreiber, Guido. Masking compositions for printed circuits. 3,262,900, 7–26–66, Cl. 260—29.6.

Schreiber, Gus. Expiration regulators. 3,265,060, 8–9–66, Cl. 128—27.

Schreiber, Harry A., deceased (R. Schreiber, executrix), to J. T. Industries, Inc. Automatic tensioning assembly. 3,279,761, 10–18–66, Cl. 254—172.

Schreiber, Herbert, to K. Winkler & Co., Inhaber Dr. Schenker-Winkler. Lubricating composition containing cross-linked polymer. 3,251,772, 5–17–66, Cl. 252—49.6.

Schreiber, Jakob: *See*—
Fechtig, Bruno, Bickel, Vischer, Eschenmoser, and Schrieber. 3,234,222.
Fechtig, Bruno, Bickel, Vischer, Eschenmoser, and Schrieber. 3,234,233.

Schreiber, Joseph, and G. Schreiber, 90% to J. Schreiber, and 10% to G. Schreiber. Key cutting machine. 3,276,328, 10–4–66, Cl. 90—13.05.

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Schreiber, Ralph B., to Ford Motor Co. Vehicle skirt element for ground effect vehicle. 3,254,731, 6–7–66, Cl. 180—7.

Schreiber, Stanley: *See*—
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Schreieck, Walter. Method for producing building elements and especially building stones of sintered material or the like. 3,274,309, 9–20–66, Cl. 264—42.

Schreiner, Heinz R., to Union Carbide Corp. Process for removing hydrogen peroxide from liquids. 3,282,702, 11–1–66, Cl. 99—54.

Schreiner, Horst: *See*—
Emels, Reimer, and Schreiner. 3,292,056.

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Schreiner, Louis W., to Warwick Electronics Inc. Contrast control for a video amplifier including a spaced apart variable impedance device. 3,240,874, 3–15–66, Cl. 178—7.3.

Schreiner, Max P., to Texas Instruments Inc. Four-terminal semiconductor switch circuit. 3,271,587, 9–6–66, Cl. 307—88.5.

Schreiner, Max P., to Texas Instruments Inc. Isolated base four-layer semiconductor system. 3,277,310, 10–4–66, Cl. 307—88.5.

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Schroder, Gunter, and K. Tessmar, deceased (by R. H. Tessmar, widow and sole heir), to Rohm & Haas G.m.b.H. Conversion of poly methacrylate to poly methacrylimide in an aqueous system. 3,284,425, 11–8–66, Cl. 260—89.5.

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Behner, Otto, Henecka, Hoffmeister, Kreiskott, Meiser, Schubert, and Wirth. 3,235,550.

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Schubert, Wilfried, to Wagner Sign Service, Inc. Display sign structure. 3,274,720, 9–27–66, Cl. 40—143.

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Schuetz, John R., to Drott Mfg. Corp. Transmission and steering control mechanism for material handling vehicle. 3,272,280, 9–13–66, Cl. 180—77.

Schuetz, Siegismund, K. Lauenstein, and H.-G. Kroneberg, to Farbenfabriken Bayer Aktiengesellschaft. Steroidguanylhydrazones. 3,251,863, 5–17–66, Cl. 260—397.

Schuetzenduebel, Wolfram G., R. D. Hottenstine, and W. H. Clayton, Jr., to Combustion Engineering, Inc. Vapor generator vapor temperature control. 3,261,332, 7–19–66, Cl. 122—479.

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Schuler, Horst, H. Grabhofer, and H. Ulrich. Photographic developer solution containing non-sludging silver halide solvent. 3,240,603, 3–15–66, Cl. 96—61.

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Schulien, Howard E., and W. H. Ficken, to The Bendix Corp. Dual air bearing and mechanical bearing assembly for high performance gyroscope. 3,238,790, 3–8–66, Cl. 74—5.

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Schuller, Eduard, to Telefunken Patentverwertungsgesellschaft m.b.H. Tape recorder. 3,273,815, 9–20–66, Cl. 242—55.12.

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Schulte, Anthonius M., and J. Steenberg, to North American Philips Co., Inc. Magnetic storage matrix capable of storing fixed words. 3,289,177, 11–29–66, Cl. 340—174.

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Schultheiss, Ralph D., to Union Carbide Corp. Method and apparatus for producing honeycomb structure. 3,247,039, 4–19–66, Cl. 156—167.

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Schultz, Donald R., and N. P. Sweeny, to Minnesota Mining and Mfg. Co. Storable polymerizable systems containing boron compound catalyst and halogen inhibitor. 3,238,186, 3–1–66, Cl. 260—88.7.

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Schultz, Edward H., Jr., to The Nagel-Chase Mfg. Co. Fabricated sheet metal sheave. 3,273,411, 9–20–66, Cl. 74—230.4.

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Schultz, Everett M., and J. M. Sprague, to Merck & Co., Inc. (2-alkylidene acyl) Phenoxy-and (2-alkylidene acyl) phenyl mercapto-carboxylic acids. 3,255,241, 6–7–66, Cl. 260—516.

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Schultz, Robert S., to American Can Co. Container with snap-in plastic nozzle. 3,266,682, 8–16–66, Cl. 222—570.

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Schultze, Hans-Joachim, J. Giesen, and C. Berther, to Inventa A.G. fur Forschung und Patentverwertung. Process for the preparation of lactams. 3,265,685, 8–9–66, Cl. 260—239.3.

Schultze, Hermann E., and N. Heimburger, to Behringwerke Aktiengesellschaft. Process for isolating α-antitrypsin. 3,293,236, 12–20–66, Cl. 260—112.

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Schulz, Robert J., and A. Vischer, Jr., assors. of 2/30 to W. and A. Vischer, 2/30 to A. Vischer, Jr., as trustee of P. Vischer, and 1/30 to G. J. Zitzewitz. Methods of cooking food. 3,248,221, 4–26–66, Cl. 99—1.

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Haas, Edgar, and Kottsieper. 3,256,763.

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Schwartz, Frederick W., to Cable Electric Products, Inc. Outdoor household lighting assembly. 3,235,771, 2–15–66, Cl. 315—276.

Schwartz, Frederick W., Jr., and R. F. Seits, to Union Tank Car Co. Railroad tank car. 3,277,842, 10–11–66, Cl. 105—358.

Schwartz, Harold. Carburetor. 3,294,381, 12–27–66, Cl. 261—145.

Schwartz, Harold A., and H. L. Sain, to Patchogue-Plymouth Co., a joint venture of Patchogue Plymouth Corp. and Avisun Corp. Method of producing tufted carpets. 3,238,595, 3–8–66, Cl. 28—74.

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Schwartz, Jerome. Key-duplicating machine. 3,286,597, 11–22–66, Cl. 90—13.05.

Schwartz, Jerome, and F. C. Reyner. Intra-uterine contraceptive appliance. 3,256,878, 6–21–66, Cl. 128—130.

Schwartz, Jerome A. Method for the separation of particles of different sizes and densities. 3,263,808, 8–2–66, Cl. 209—30.

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Schwartz, Morris, and W. K. Bender, to The Kalart Co. Inc. Sound scanning assembly in a strip film projector. 3,232,-167, 2–1–66, Cl. 88—28.

Schwartz, Morris, and W. K. Bender, to The Kalart Co. Inc. Carrier for audible and visual messages. 3,276,313, 10–4–66, Cl. 88—24.

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Schwartz, Robert A. D. Polarized ceiling panel. 3,294,964, 12–27–66, Cl. 240—9.5.

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Schwartz, Sol. Device for packing fabric. 3,272,449, 9–13–66, 242—62.

Schwartz, Sol L. Dog and animal garment. 3,248,852, 5–3–66, Cl. 54—79.

Schwartz, Theodore F. Sonic reading device. 3,245,158, 4–12–66, Cl. 35—35.

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Schwarz, Arthur M., to Inland Steel Co. Sintering process. 3,257,195, 6–21–66, Cl. 75—5.

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Schwarz, Edgar, to American Air Filter Co., Inc. Edge-sealing arrangement for air filter apparatus. 3,280,538, 10–25–66, Cl. 55—354.

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Schwarz, Ernst, R. Schlitt, J. Wiemer, and G. Kopp, to Metallgesellschaft Aktiengesellschaft. Method and apparatus for controlling gas filtering devices. 3,237,375, 3–1–66, Cl. 55—4.

Schwarz, Erwin. Multistep, especially two step-insertion device. 3,267,784, 8–23–66, Cl. 83—226.

Schwarz, Frank, to Barnes Engineering Co. Extreme-low-noise transistor amplifiers. 3,258,705, 6–28–66, Cl. 330—25.

Schwarz, Frank, to Barnes Engineering Co. Automatic ambient temperature compensation for a medical thermometer. 3,273,395, 9–20–66, Cl. 73—355.

Schwarz, Frank, and W. W. Chou, to Barnes Engineering Co. Amplifier redundancy circuits. 3,237,120, 2–22–66, Cl. 330—51.

Schwarz, Frank, and M. C. Banca, to Barnes Engineering Co. Infrared image system with a plurality of infrared radiation emitting reference sources positioned near the object. 3,283,148, 11–1–66, Cl. 250—65.

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Schwarz, Herbert: *See*—
Thoma, Wilhelm, Rinke, and Schwarz. 3,240,796.

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Schwarz, Max, W. Kruckenberg, E. Lehmann, F. Gund, and W. Hees, to Farbenfabriken Bayer Aktiengesellschaft. Dyeing hydrophobic textiles with an azomethine of aromatic amine and a quinone, N-haloquinoneimine or a cyclohexeneone. 3,254,936, 6–7–66, Cl. 8—55.

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Frangos, John, and Schwarz. 3,270,919.

Schwarz, Peter D. Vehicle detection and counting system. 3,255,434, 6–7–66, Cl. 340—38.

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Schwarz, Rudolf, to Gebruder Staubli, & Co. Driving mechanism for cylinders. 3,238,801, 3–8–66, Cl. 74—151.

Schwarz, Ruth F., and J. P. Spratt, to Philco Corp. Solid-state translating device with barrier-layers formed by thin metal and semiconductor material. 3,254,276, 5–31–66, Cl. 317—235.

Schwarz, Ruth F., and J. P. Spratt, to Philco Corp. Tunnel-emission amplifying device and circuit therefor. 3,261,984, 7–19–66, Cl. 307—88.5.

Schwarz, Theodor, A. Process and apparatus for filtering liquids containing gummy or slimy suspended matter. 3,292,788, 12–20–66, Cl. 210—80.

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Schwarzberger, Arthur, to S. Schwarzberger. Pattern tracking means for line stitching machines. 3,249,077, 5–3–66, Cl. 112—118.

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Schwarze, Werner, and H. Schuls, to Deutsche Gold-und Silber-Scheideanstalt vormals Roessler. Production of cyano triazine derivatives. 3,234,225, 2–8–66, Cl. 260—249.9.

Schwarzenbek, Eugene F., to Pullman Inc. Regeneration of a platinum catalyst by oxidation and treatment with a hydrogen containing gas. 3,230,179, 1–18–66, Cl. 252—416.

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Schwarzkopf, Daniel, and J. J. Zemke, to Maxson Electronics Corp. Snap action electrical switch with contact flutter attenuation means. 3,249,710, 5–3–66, Cl. 200—67.

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Schwebel, Adolf, to Mabeg Maschinenbau G.m.b.H. Nachf. Hense & Pleines G.m.b.H. & Co. Sheet pick-up and conveying device. 3,261,601, 7–19–66, Cl. 271—11.

Schwebel, Adolf, to Mabeg Maschinenbau G.m.b.H. Nachf. Hense. & Pleines G.m.b.H. & Co. Safety device for a sheet-feeding device. 3,269,725, 8–30–66, Cl. 271—62.

Schwebel, Adolf, to Mabeg Maschinenbau G.m.b.H. Nachf. Hense & Pleines G.m.b.H. Co. Conveyor for sheet-feeding apparatus in sheet-processing machines. 3,282,586, 11–1–66, Cl. 271—45.

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Schwed, George, and R. D. Combs, to Arthur G. McKee & Co. Pump. 3,269,325, 8–30–66, Cl. 103—103.

Schwegler, Roy F., to Ametek, Inc. Inflatable washing machine door seal. 3,240,038, 3–15–66, Cl. 68—24.

Schweigaard-Olsen, Bertrand, and H. R. Wacenske, to Corning Glass Works. Sink strainer assembly. 3,281,869, 11–1–66, Cl. 4—288.

Schweiger, Frank A., and A. N. Pope, to General Electric Co. Sealing means with cooling fluid means. 3,241,842, 3–22–66, Cl. 277—22.

Schweiger, Richard G. Xanthomonas hydrophilic colloid ethers. 3,236,831, 2–22–66, Cl. 260—209.

Schweiger, Richard G., to Kelco Co. Preparation of α-L-fucosides and L-fucose from fucoidan. 3,240,775, 3–15–66, Cl. 260—209.

Schweiger, Richard G., to Kelco Co. Cationic ethers of xanthomonas hydrophilic colloids. 3,244,695, 4–5–66, Cl. 260—209.

Schweiger, Richard G., to Kelco Co. Method of improving viscosity characteristics of xanthomonas hydrophilic colloids and esters produced thereby. 3,256,271, 6–14–66, Cl. 260—234.

Schweiger, Richard G., to Kelco Co. Process of improving gums and product obtainable thereby. 3,257,380, 6–21–66, Cl. 260—209.

Schweiger, Richard G., to Kelco Co. Copolymerizates including methyl glucoside allyl ethers and process of preparing same. 3,275,581, 9–27–66, Cl. 260—17.4.

Schweigert, Johnny P. Saddle carriers. 3,294,267, 12–27–66, Cl. 214—450.

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Schwelhofer, James L. and D. C. Concrete screeder. 3,256,-788, 6–21–66, Cl. 94—45.

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Schweiker, Malcolm A., and W. C. Watson, to American Olean Tile Co., Inc. Blending apparatus and method, especially for tiles. 3,228,660, 1–11–66, Cl. 259—3.

Schweiker, Malcolm A., and W. C. Watson, to American Olean Tile Co., Inc. Blending apparatus comprising weighing-scale-hoppers discharging tiles upon a conveyor. 3,250,338, 5–10–66, Cl. 177—104.

Schweikert, Wilbur H., to General Electric Co. Pyrolylic graphite coated casting mold and method of making same. 3,284,862, 11–15–66, Cl. 22—192.

Schweikhardt, Robert D.: *See*—
Long, Jack L., and Schweikhardt. 3,282,806.

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Schweitzer, Billy J., to Universal Pulleys Co., Inc. Tractor mounted dump bed. 3,232,667, 2–1–66, Cl. 298—21.

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Wagner, Jean L., Singer, Schweitzer, and Katz. 3,260,-466.

Schweitzer, Earl O.: *See*—
Yedinak, Charles G., and Schweitzer. 3,252,163.

Schweitzer, Earl O., to Clevite Corp. Recorder and inking system therefor. 3,266,048, 8–9–66, Cl. 346—140.

Schweitzer, Edmund O., Jr. System for measuring current flow in high voltage electric power lines for relaying and other purposes. 3,275,892, 9–27–66, Cl. 317—60.

Schweitzer, Edmund O., Jr. Electric measuring instrument with pointer clamp. 3,277,368, 10–4–66, Cl. 324—127.

Schweitzer, Gerhard, to R. Kohler, born Gorler, trading as the firm Julius Karl Gorler. Voltage sensitive capacitor-tuned oscillator with automatic frequency control. 3,251,008, 5–10–66, Cl. 331—117.

Schweitzer, Glen S.: *See*—
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Schweitzer, Leo F., Jr. Pallet for stacking, storing and transporting automobile wheels. 3,285,204, 11–15–66, Cl. 108—55.

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Kern, Werner, Schweitzer, and Schulz. 3,235,524.

Schweitzer, Robert W., to Philco Corp. Transistor socket having two uniaxially aligned and electrically isolated contacting terminals for each inserted lead. 3,239,760, 3–8–66, Cl. 324—158.

Schweitzer, William O. Lariat designed for skipping and spinning. 3,249,356, 5–3–66, Cl. 272—75.

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Schweizer, Hans R., to Eastman Kodak Co. Delta form of quinacridone. 3,272,821, 9–13–66, Cl. 260—279.

Schweizer, Walter, to Maybach-Motorenbau G.m.b.H. Control of the brake power of a hydrodynamic brake. 3,270,-838, 9–6–66, Cl. 188—90.

Schweizerische Aluminium AG: *See*—
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Schwemin, Arnold J., to Bell & Howell Co. Fluid gyroscopic precessor. 3,256,742, 6–21–66, Cl. 74—5.4.

Schwendinger, Paul, to Spinnerei und Webereien Zell-Schönau Aktiengesellschaft. Inspection arrangement for an automatic sewing apparatus. 3,276,577, 10–4–66, Cl. 209—74.

Schwendinger, Paul, to Spinnerei und Webereien Zell-Schonau Aktiengesellschaft. Folding apparatus having laterally moving pleating members. 3,279,784, 10–18–66, Cl. 270—79.

Schwendt, Otto, to Ri-Ri Werke A.G. Separable fastener. 3,280,437, 10–25–66, Cl. 24—205.11.

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Schwenk, Ulrich, and G. Mau, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for preparing aldehydes and ketones. 3,268,590, 8–23–66, Cl. 266—597.

Schwenke, Heinrich: *See*—
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Schwenn, Donald A.: *See*—
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Schwenzfeger, Edward E., and A. Zarouni, to Bell Telephone Laboratories, Inc. Control word use in bit-by-bit data communication system. 3,249,918, 5–3–66, Cl. 340—146.1.

Schweppe, John V., to Pittsburgh Plate Glass Co. Method for producing fibers. 3,288,581, 11–29–66, Cl. 65—2.

Schwer, Frederick W., and G. S. Bailey, Jr., to The National Sugar Refining Co. Method of making sugar. 3,257,236, 6–21–66, Cl. 127—61.

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Witte, Wolfgang, Schwerdhofer, and Keller. 3,254,545.

Schwerdhofer, Hans J., to Fichtel & Sachs A.G. Dual speed hub with automatic speed shift. 3,270,589, 9–6–66, Cl. 74—750.

Schwerdhofer, Hans J., to Fichtel & Sachs A.G. Dual speed hub with automatic speed shift. 3,286,549, 11–22–66, Cl. 74—752.

Schwerdle, Arthur, to Vineland Chemical Co., a partnership composed of A. and M. Schwerdle. Control of nematodes with arsine oxides. 3,269,895, 8–30–66, Cl. 167—22.

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Schwerdtfeger, Wilbur E., to International Harvester Co. Motor mount assembly. 3,280,965, 10–25–66, Cl. 198—233.

Schwerdtel, Wulf, and W. Krönig, to Farbenfabriken Bayer Aktiengesellschaft. Process for the production of alkylated benzene hydrocarbons. 3,253,050, 5–24–66, Cl. 260—671.

Schwerin, Andre K., to General Aniline & Film Corp. Photopolymerization in stratum transfer effected with colorless water insoluble colloidal organic compound. 3,244,519, 4–5–66, Cl. 96—28.

Schwerin, Andre K. and J., S. Levinos, and F. W. H. Mueller, to General Aniline & Film Corp. Photocopying and transfer process involving photopolymerization. 3,234,021, 2–8–66, Cl. 96—28.

Schwerin, Andre K., and D. M. Dumers, to General Aniline & Film Corp. Process for obtaining multicolor images and a multilayer sheet for use therein. 3,244,518, 4–5–66, Cl. 96—2.

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Schwerter, Robert, to American Meter Co., Inc. Pressure regulator with high pressure cut off. 3,228,417, 1–11–66, Cl. 137—461.

Schwertfeger, Owen J., R. L. Gustavel, and P. A. Deckowitz, to The Seeburg Corp. Multiple column shifting mechanism for article dispenser. 3,258,154, 6–28–66, Cl. 221—11.

Schwertz, Frederick A., to Xerox Corp. Induction image formation. 3,254,998, 6–7–66, Cl. 96—1.

Schwertz, Frederick A., and R. A. Wilferth, to Technical Operations Inc. Electrical recording. 3,281,858, 10–25–66, Cl. 346—74.

Schwertz, Frederick A., and J. J. Kinsella, to Xerox Corp. Method for forming a thin film resistor. 3,287,161, 11–22–66, Cl. 117—212.

Schwertz, Frederick A., and P. F. King, to Xerox Corp. Electrostatic matrix printer. 3,289,209, 11–29–66, Cl. 346—74.

Schwetman, Herbert D. Method and apparatus for the solution of roots of polynomials. 3,233,086, 2–1–66, Cl. 235—180.

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Schwieger, John T. Proportioning machine and method. 3,289,889, 12–6–66, Cl. 222—57.

Schwindt, Kurt, O. Lucas, and B. Sauer. High-grade cast iron having improved constancy of shape and volume. 3,253,907, 5–31–66, Cl. 75—123.

Schwing, Joseph A., to Philco Corp. Laundry apparatus. 3,246,494, 4–19–66, Cl. 68—23.

Schwing, Joseph A., to Philco Corp. Laundry apparatus. 3,266,274, 8–16–66, Cl. 68—18.

Schwing, Joseph A., and I. J. Danylenko, to Philco Corp. Laundry apparatus. 3,290,909, 12–13–66, Cl. 68—23.

Schwinghamer, Robert J., and J. R. Rasquin, to United States of America, National Aeronautics and Space Administrator. Electro-optical alignment control system. 3,229,099, 1–11–66, Cl. 250—201.

Schwinne, Carl E., to E. I. du Pont de Nemours and Co. Suspension piece. 3,260,362, 7–12–66, Cl. 206—59.

Schwint, Ira A., to Minerals & Chemicals Philipp Corp. Stabilized pesticidal compositions containing attapulgite clay. 3,232,831, 2–1–66, Cl. 167—42.

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Schwoyer, William L., to Trojan Powder Co. Aqueous explosive slurries containing sulfur compounds having a low coefficient of expansion. Re. 26,115, 11–22–66, Cl. 149—41.

Schwyzer, Robert: *See*—
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Kappeler, Heini, and Schwyzer. 3,228,926.
Kappeler, Heini, and Schwyzer. 3,228,927.

Schwyzer, Robert, B. Iselin, H. Kappeler, W. Rittel, and H. Zuber, to Ciba Corp. Octadecapeptides and derivatives thereof. 3,234,201, 2–8–66, Cl. 260—112.5.

Schwyzer, Robert, and P. Sieber, to Ciba Corp. Synthesis of peptides containing α-diamino acids protected by phthalyl and t-butyloxycarbonyl groups. 3,247,178, 4–19–66, Cl. 260—112.5.

Schwyzer, Robert, and H. Kappeler, to Ciba Corp. Heptapeptides. 3,247,179, 4–19–66, Cl. 260—112.5.

Schwyzer, Robert, B. Iselin, H. Kappeler, W. Rittel, and B. Riniker, to Ciba Corp. Nonadecapeptides and intermediates for the preparation thereof. 3,247,180, 4–19–66, Cl. 260—112.5.

Schwyzer, Robert, H. Kappeler, B. Riniker, W. Rittel, P. Sieber, and H. Zuber, to Ciba Corp. Polypeptide derivatives and esters thereof. 3,247,181, 4–19–66, Cl. 260—112.5.

Schwyzer, Robert, B. Iselin, H. Kappeler, W. Rittel, and P. Sieber, to Ciba Corp. Henelcosapeptides and intermediates for the manufacture thereof. 3,247,182, 4–19–66, Cl. 260—112.5.

Schwyzer, Robert, H. Kappeler, and B. Iselin, to Ciba Corp. Decapeptides. 3,256,526, 6–14–66, Cl. 260—112.5.

Schwyzer, Robert, B. Iselin, H. Kappeler, W. Rittel, and B. Riniker, to Ciba Corp. Polypeptides. 3,259,616, 7–5–66, Cl. 260—112.5.

Schwyzer, Robert, and W. Rittel, to Ciba Corp. Process for the temporary protection of amino groups in amino-carboxylic acids and their derivatives. 3,264,279, 8–2–66, Cl. 260—112.5.

Schwyzer, Robert, and B. Riniker, to Ciba Corp. Process for the production of highly active isomers of hypertensin 11 and its analogues. 3,281,406, 10–25–66, Cl. 260—112.5.

Schwyzer, Robert, and B. Riniker, to Ciba Corp. Asparagyl octapeptides and acid addition salts thereof. 3,287,346, 11–22–66, Cl. 260—112.5.

Schymik, Walter H., to I-T-E Circuit Breaker Co. Cubicle unitary molding for upper and lower terminal assembly and current transformers. 3,229,058, 1–11–66, Cl. 200—50.15.

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Sciaky, David, to Welding Research, Inc. Fusion welding method and apparatus. 3,233,075, 2–1–66, Cl. 219—127.

Sciaky, David, to Welding Research, Inc. Vacuum chamber sealing means. 3,264,004, 8–2–66, Cl. 277—5.

Sciaky, David, to Welding Research, Inc. Filament for electron gun. 3,274,425, 9–20–66, Cl. 313—237.

Sciamanna, Enzo. Window cleaning devices. 3,268,940, 8–30–66, Cl. 15—250.11.

Sciambi, Louis J., to Radio Corp. of America. Methods for preparing etch resists using an electrostatic image developer composition. 3,231,374, 1–25–66, Cl. 96—1.

Sciambi, Louis J., to Radio Corp. of America. Materials for preparing etch resists. 3,291,738, 12–13–66, Cl. 252—62.1.

Sciambi, Louis J., and V. L. Marquart, to Radio Corp. of America. Electrostatic printing. 3,231,375, 1–25–66, Cl. 96—1.

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Sciascia, Peter D. Razor blade shave indicator. 3,229,659, 1–18–66, Cl. 116—135.

Scibilia, Frank. Cargo pallet sling. 3,289,265, 3–8–66, Cl. 294—67.

Scidmore, Wright H., and J. W. Shean, to United States of America, Army. Night and day periscope. 3,257,904, 6–28–66, Cl. 88—72.

Science Union et Cie, Societe Francaise de Recherche Medicale: *See*—
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Scinta, Anthony C., to Trico Products Corp. Windshield cleaner. 3,292,200, 12–20–66, Cl. 15—250.35.

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Scioloro, Joseph D. Apparatus for forestalling flow of current to the electrical systems of a motor vehicle in case of a headon collision. 3,261,423, 7–19–66, Cl. 180—83.

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Dedona, Francis A., and Lucas. 3,248,986.
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Scire, Frank J.: *See*—
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Sci-Tech Corp.: *See*—
Pohl, Herbert A. 3,290,408.

Sciulli, Charles M.: *See*—
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Sclar, Nathan, to Nuclear Corp. of America. Resonance electroluminescent display panel. 3,243,508, 3–29–66, Cl. 178—6.

Scofield, Donald H., to Insul-8 Corp. Electrical conductor. Re. 26,024, 5–17–66, Cl. 174—117.

Scofield, Donald H., to Insul-8 Corp. Electrical conductor bar for trolley electrification systems. 3,249,704, 5–3–66, Cl. 191—33.

Scofield, James M., C. D. Jones, and R. M. Jesena, to Ford Motor Co. Power transmitting gearing with full floating gear elements. 3,292,446, 12–20–66, Cl. 74—333.

Scofield, Raymond C., to Phillips Petroleum Co. Separation and recovery of acetylene from gases containing the same. 3,287,884, 11–29–66, Cl. 55—63.

Scofield, Raymond C., to Phillips Petroleum Co. Rubber masterbatching. 3,290,268, 12–6–66, Cl. 260—41.5.

Scofield, Raymond C., and R. T. Wilson, to Phillips Petroleum Co. Fast thermal cracking of heavy carbonaceous materials. 3,285,847, 11–15–66, Cl. 208—46.

Scoggin, Baxter I., Jr., J. R. Albert, J. D. Clevenger, and W. E. Vaughan, to Cook Chemical Co. Pump sprayer. 3,229,-863, 1–18–66, Cl. 222—321.

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Scoggin, Jack S., to Phillips Petroleum Co. Reactor system. 3,227,526, 1–4–66, Cl. 23—288.

Scoggin, Jack S., to Phillips Petroleum Co. Method and apparatus for the recovery of solid olefin polymer from a continuous path reaction zone. 3,242,150, 3–22–66, Cl. 260—88.2.

Scoggin, Jack S., to Phillips Petroleum Co. Apparatus for coagulating and pettetizing polymer solutions. 3,254,365, 6–7–66, Cl. 18—2.

Scoggin, Jack S., to Phillips Petroleum Co. Removal of catalyst residues from olefin polymers. 3,280,090, 10–18–66, Cl. 260—93.7.

Scoggin, Jack S., and L. T. Price, to Phillips Petroleum Co. Extraction of soluble matter from polymer solids. 3,272,-787, 9–13–66, Cl. 260—93.7.

Scola, Daniel A., to Monsanto Research Corp. Nitrophenylimino derivatives of pyrrolidine and piperidine. 3,284,465, 11–8–66, Cl. 260—326.85.

Scola, Daniel A., and R. J. Wineman, to United States of America, Atomic Energy Commission. Coolant reclamation process. 3,280,206, 10–18–66, Cl. 260—674.

Scolari, Enea G., to Societa Prodotti Antibiotici. Method of relieving pain in cancer by injecting lysozyme free of proteinaceous impurities. 3,282,782, 11–1–66, Cl. 167—65.

Scolari, Giuseppe E. Method of enhancing the effect of X-ray and radium treatment. 3,265,574, 8–9–66, Cl. 167—65.

Scolaro, John J., to Simplex Wire and Cable Co. Method of repairing corrugated tubing about a core. 3,245,139, 4–12–66, Cl. 29—401.

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Scoledge, Robert F., and R. P. Bonazoli, to Sylvania Electric Products Inc. Electric lamp with fuse. 3,274,426, 9–20–66, Cl. 313—318.

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Scoparino, Frank, to Mattel, Inc. Toy phonograph. 3,235,-266, 2–15–66, Cl. 274—15.

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Williams, Richard E. 3,257,495.
Williams, Richard E. 3,280,250.

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Elly, Richard J., and Gracz. 3,252,470.
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Scott, Charles E.: *See*—
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Scott, Charles E., and W. R. Cherry, to Sun Oil Co. Preparation of polymers. 3,228,923, 1–11–66, Cl. 260—91.1.

Scott, Charles H., to Babbitt Pipe Co., Inc. Mandrel. 3,257,-690, 6–28–66, Cl. 18—45.

Scott, Charles H., to Babbitt Pipe Co., Inc. Method for forming tubular members. 3,258,377, 6–28–66, Cl. 156—156.

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Ling, Thomas S. 3,233,979.

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Scott, George F., to Norton Co. Light porous refractory brick and method. 3,258,349, 6–28–66, Cl. 106—41.

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Scott, George V., and R. J. Mehaffey, to Colgate-Palmolive Co. Process and apparatus for incorporating gaseous bodies in liquid. 3,251,586, 5–17–66, Cl. 261—76.

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Scott, Grant E., Jr.: *See*—
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Scott, Harold E. B., to Vickers Ltd. Doctors for papermaking machines. 3,264,673, 8-9-66, Cl. 15—308.
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Scott, Harvey, and R. F. Belt, to Goodrich-Gulf Chemicals, Inc. Inorganic catalysts useful in producing cis-1,4-polybutadiene. 3,236,827, 2-22-66, Cl. 260—94.4.
Scott, Howard A. Golf ball teeing device with photocell and counter operated control means. 3,294,402, 12-27-66, Cl. 273—201.
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Scott, Jerald J.: *See*—
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Sheratte, Martin B., and Scott. 3,231,425.
Scott, John D.: *See*—
Jordan, Albert K., and Scott. 3,286,968.
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Scott, John N., Jr., F. Hicks, and D. L. Peters, to Phillips Petroleum Co. Blow molding apparatus with blow-mold exhaust means 3,289,248, 12-6-66, Cl. 18—5.
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Scott, Larkin B., to The Perkin-Elmer Corp. Bidirectional counter. 3,287,544, 11-22-66, Cl. 235—92.
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Renner, Victor A. 3,231,363.
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Scott, Paul R., and R. F. Scheuerman, to Shell Oil Co. Transporting wax-bearing petroleum fluids in pipelines. 3,269,401, 8-30-66, Cl. 137—13.
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Scott, Richard D., to Teletype Corp. Spiral error detection circuit for telegraph systems. 3,234,510, 2-8-66, Cl. 340—146.1.
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McDonough, John J. 3,236,068.
Millar, John J. 3,269,148.
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Oldenburger, Samuel C. 3,250,911.
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Scow, Jim, and J. L. Jones, to United States of America, National Aeronautics and Space Administration. Multiple circuit switch apparatus with improved pivot actuator structure. 3,283,088, 11-1-66, Cl. 200—6.
Scowcroft, Hector, to T.M.M. (Research) Ltd. Electrical heating arrangements. 3,286,081, 11-15-66, Cl. 219—470.
Scowcroft, William, to The Cotton Silk and Man-Made Fibres Research Association. Cleaning rollers on machines for processing fibrous materials. 3,235,898, 2-22-66, Cl. 15—256.52.
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Scragg, Frederick. 3,264,812.
Scragg, Frederick. 3,273,329.
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Scragg, Frederick, and Chubb. 3,253,072.
Scragg, Frederick, and Chubb. 3,280,241.
Scragg, Frederick, Chubb, and Nesbitt-Dufort. 3,249,668.
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Scragg, Frederick, to Ernest Scragg & Sons Ltd. Textile yarn winding structure. 3,235,192, 2-15-66, Cl. 242—35.5.
Scragg, Frederick, to Ernest Scragg & Sons Ltd. Apparatus for twisting yarn. 3,264,812, 8-9-66, Cl. 57—58.76.
Scragg, Frederick, to Ernest Scragg & Sons Ltd. Textile yarns. 3,273,329, 9-20-66, Cl. 57—140.
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Scragg, Frederick, A. A. Chubb, and T. Nesbitt-Dufort, to Ernest Scragg & Sons Ltd. Process and apparatus for manufacturing branched filaments. 3,249,668, 5-3-66, Cl. 264—147.
Scragg, Frederick, and A. A. Chubb, to Ernest Scragg & Sons Ltd. Production of textile filaments. 3,253,072, 5-24-66, Cl. 264—147.
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Scribner, Richard M., and E. J. Soboczenski, to E. I. du Pont de Nemours and Co. Methods for protecting plants and seeds from fungi. 3,265,564, 8-9-66, Cl. 167—30.
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Scruggs, David M., to The Bendix Corp. Chromium-nickel alloy. 3,235,380, 2-15-66, Cl. 75—176.
Scruggs, David M., to The Bendix Corp. Method of sintering. 3,264,102, 8-2-66, Cl. 75—212.
Scruggs, David M., to The Bendix Corp. Chromium-iron alloy. 3,269,833, 8-30-66, Cl. 75—126.
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Scudder, John A., to Chemechanical, Inc. Apparatus for processing polyurethane. 3,287,092, 11-22-66, Cl. 23—285.
Scudder, Kenneth R., C. J. Campagnuolo, and L. B. Katchen, to United States of America, Army. Electro-pneumatic transducer. 3,263,695, 8-2-66, Cl. 137—81.5.
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Searcy, Durward F., and T. W. Scott, to United Gas Corp. Computer especially useful in computing the square root of the product of two values. 3,278,730, 10–11–66, Cl. 235—158.

Searcy, John H., to Systems Engineering Laboratories, Inc. Series gate driver circuit for low-level multiplexer. 3,248,-483, 4–26–66, Cl. 179—15.

Searcy, John H., to Systems Engineering Laboratories, Inc. Electronic multiplexer with signal offset means for high speed communication of low level signals. 3,258,538, 6–28–66, Cl. 179—15.

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Searight, Charles E., E. M. Alexander, J. R. Ryan, and D. Labino, to Cataphote Corp. Colorless high index glass compositions. 3,294,558, 12–27–66, Cl. 106—54.

Searight, Charles E., E. M. Alexander, J. R. Ryan, and D. Labino, to Cataphote Corp. Yellow glass bead compositions. 3,294,559, 12–27–66, Cl. 106—54.

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Searles, Scott, Jr., to General Electric Co. Mixture of epoxy resin and a tertiary amine oxide. 3,249,587, 5–3–66, Cl. 260—47.

Sears, Anthony. Direct current homopolar generators. 3,229,133, 1–11–66, Cl. 310—176.

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Sebald, Joseph F., I. J. Karassik, H. Davis, and A. E. Carter, to Worthington Corp. Foam collection and disposal system. 3,284,993, 11–15–66, Cl. 55—178.

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Sebastian, Charles R., and G. A. Patterson, Jr., to United States of America, Air Force. Combustion inhibiting method. 3,229,446, 1–18–66, Cl. 55—53.

Sebba, Felix, to Armour and Co. Ion floation method. 3,238,-127, 3–1–66, Cl. 210—44.

Sebba, Felix. Ion flotation method. 3,239,461, 3–8–66, Cl. 210—44.

Sebena, Charles C. Anti-skid device. 3,233,646, 2–8–66, Cl. 152—191.

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Sedelmayer, Erich. Flexible roof coverings and support attaching means therefor. 3,239,983, 3–15–66, Cl. 52—478.

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Sedlak, John A., and K. Matsuda, to American Cyanamid Co. Process for the preparation of α-fluoroacrylates. 3,262,-967, 7–26–66, Cl. 260—486.

Sedlak, John A., and K. Matsuda, to American Cyanamid Co. Process for the preparation of α-fluoroacrylates. 3,262,-968, 7–26–66, Cl. 260—486.

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Seelig, Russell L., Jr., to United States Rubber Co. Mixture comprising polyamide and styrene-acrylonitrile copolymer. 3,243,479, 3–29–66, Cl. 260—857.

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Seigel, Lawrence G., and S. Stasenko, to Midland-Ross Corp. Flexible coupling. 3,229,480, 1–18–66, Cl. 64—13.

Seigh, Joseph C.: *See*—
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Sell, Christian A., to Douglas Aircraft Co., Inc. Inhibition of corrosion of hydraulic fluids. 3,287,275, 11–22–66, Cl. 252—75.

Sell, Christian A., R. H. Boschan, and J. P. Holder, to Douglas Aircraft Co., Inc. Process for producing a fluorinated alcohol and compound formed therein. 3,246,030, 4–12–66, Cl. 260—466.

Sell, Lewis W., to Cory Corp. Humidifier. 3,253,820, 5–31–66, Cl. 261—27.

Seller, Fritz, to Edouard Dubied et Cie. (Societe Anonyme). Patterning mechanism for jacquard circular knitting machines. 3,260,073, 7–12–66, Cl. 66—50.

Seller, Fritz, to Edouard Dubied et Cie. (Societe Anonyme). Double or turndown collar. 3,293,662, 12–27–66, Cl. 2—131.

Seller, William, Jr.: *See*—
Elbogen, James S., Seller, and Lebow. 3,286,725.

Selling, Robert L.: *See*—
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Selp, Donald P., Jr., and D. M. MacKay, to Johns-Manville Corp. Lift truck clamp attachment. 3,262,595, 7–26–66, Cl. 214—653.

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Lerwill, William E., and Anstey. 3,276,015.
Mahoney, Edward H., and Knight. 3,266,042.
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Seiter, Hartmut, to Siemens & Halske Aktiengesellschaft. Method of reducing semiconductor junction areas. 3,260,-633, 7–12–66, Cl. 156—17.

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Seitz, John R. Simulated golf game. 3,260,526, 7–12–66, Cl. 273—134.

Seitz, Robert F.: *See*—
Schwartz, Frederick W., Jr., and Seitz. 3,277,842.

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Sekely, Michael E., to Radio Corp. of America. Integrated electrical circuit. 3,272,989, 9–13–66, Cl. 307—88.5.

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Seki, Motoshi, to Sanyo Electric Co., Ltd. Magazine type magnetic recording and reproducing machines. 3,250,481, 5–10–66, Cl. 242—55.13.

Sekiguchi, Hideo, to Kabushiki Kaisha Sekiguchi Seisakusho. Concrete block molding machines. 3,277,551, 10–11–66, Cl. 25—41.

Sekimoto, Tadahiro, to Nippon Electric Co., Ltd. Parallel-parallel encoding system. 3,277,462, 10–4–66, Cl. 340—347.

Sekisui Sponge Kogyo Kabushiki Kaisha: *See*—
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Sekkelsten, Arne, to Pusner Mek. Verksted A/S. Fluid pressure motor for an automatic mooring winch. 3,240,126, 3–15–66, Cl. 91—420.

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Sekmakas, Kazys, to DeSoto Chemical Coatings, Inc. Interpolymers comprising acrylamide and a hydroxy-substituted monomer and heat curable resin compositions therewith. 3,230,275, 1–18–66, Cl. 260—873.

Sekmakas, Kazys, to DeSoto Chemical Coatings, Inc. Hydroxy interpolymers prepared from partially esterified carboxyl interpolymers and mono-1,2-epoxides. 3,250,784, 5–10–66, Cl. 260—23.

Sekmakas, Kazys, to DeSoto Chemical Coatings, Inc. Internally catalyzed heat-hardening alkylolated amide interpolymer containing unsaturated polyester comprising saturated polycarboxylic acid. 3,257,475, 6–21–66, Cl. 260—850.

Sekmakas, Kazys, to DeSoto Chemical Coatings, Inc. Internally catalyzed heat-hardening alkylolated amide interpolymer containing unsaturated polyester comprising saturated polycarboxylic acid. 3,257,475, 6–21–66, Cl. 260—850.

Sekmakas, Kazys, to DeSoto Chemical Coatings, Inc. Internally catalyzed heat-hardening alkaline reacted alkylolated amide interpolymer. 3,278,638, 10–11–66, Cl. 260—850.

Sekmakas, Kazys, and F. Ragas, to DeSoto Chemical Coatings, Inc. Alkylolated acrylamide interpolymers comprising vinyl stearate. 3,287,294, 11–22–66, Cl. 260—22.

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Selander, Edsel S., and G. E. Carmack. Portable clamp and cutter for electrical flexible tubing. 3,284,895, 11–15–66, Cl. 30—90.5.

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Dolf, Hans R., and Marceau. 3,260,587.
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Selditz, Herbert A. Nail polish dryer. 3,287,824, 11–29–66, Cl. 34—202.

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Self, Douglas R., to F. S. Himebauch. Cable lubricating tool. 3,283,854, 11–8–66, Cl. 184—105.

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Self, Richard E. Flow control valve. 3,290,002, 12–6–66, Cl. 251—210.

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Self-Service Machines, Inc.: *See*—
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Selfridge, John L.: *See*—
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Selgin, Paul J., to Automatic Control Devices, Inc. Magnetic and optical differential thickness measuring instrument. 3,258,686, 6–28–66, Cl. 324—34.

Selhost, Dale L.: *See*—
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Selhost, Dale L., to American Air Filter Co., Inc. Self-contained air-conditioning unit ventilator. 3,262,491, 7–26–66, Cl. 165—16.

Selig, Hans, and F. Schievenedel, to Deutsche Edelstahlwerke Aktiengesellschaft. Pneumatic conveying, storing and/or mixing apparatus. 3,232,673, 2–1–66, Cl. 302—29.

Selig, James H., to Oldberg Mfg. Co. Method of making intermediate shell construction for silencer or muffler. 3,242,-558, 3–29–66, Cl. 29—157.

Seligman, Arthur M., and N. J. Anderson. Fluid flow monitor. 3,267,451, 8–16–66, Cl. 340—239.

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Keith, Carl D., Koch, and Seligman. 3,251,783.

Seligman, Kurt L.: *See*—
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Seligman, Monroe. Apparatus for freeze drying products in small containers. 3,286,366, 11–22–66, Cl. 34—92.

Seligmann, Edward B., Jr., and W. H. Berkeley, to United States of America, Department of Health, Education, and Welfare. Tray assembly. 3,243,049, 3–29–66, Cl. 211—126.

Seligsberger, Ludwig, to United States of America, Army. Method of impregnating leather and resultant article. 3,282,726, 11–1–66, Cl. 117—68.

Selim, Mohamed: *See*—
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Selin, Terry G., to General Electric Co. Acyloxy compounds and use thereof. 3,277,047, 10–4–66, Cl. 260—46.5.

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Selke, William A., to Kimberly-Clark Corp. Tobacco product which produces less tars. 3,255,760, 6–14–66, Cl. 131—8.

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Luce, Betty M., Berdan, and Selker. 3,245,826.
Luce, Betty M., and Selker. 3,293,109.

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Sell, Wayne E., to Hathaway Instruments Inc. Oscillograph control. 3,284,804, 11–8–66, Cl. 346—109.

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Sellars, Leonard D., and B. M. Thorness, to Precision Sheet Metal, Inc. Arrangement for contouring tubes. 3,240,-045, 3–15–66, Cl. 72—205.

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Sellers, Frederick F., Jr., and M.-Y. Hsiao, to International Business Machines Corp. Fully checkable adder. 3,234,-373, 2–8–66, Cl. 235—176.

Sellers, Harry M., and J. G. Seymour, to Radio Corp. of America. Mechanical movement. 3,266,329, 8–16–66, Cl. 74—110.

Sellers, Homer H., to Thiokol Chemical Corp. Collapsible mandrel for forming a cavity in solid propellant rocket fuel. 3,237,913, 3–1–66, Cl. 249—185.

Sellers, James B., 30%, to K. Sherman. Water hose attachment. 3,259,321, 7–5–66, Cl. 239—310.

Sellers, John P., Jr., to North American Aviation, Inc. Heat flux probe. 3,267,726, 8–23–66, Cl. 73—190.

Sellers, Ralph F., to Union Carbide Corp. Condensation catalysts and process. 3,234,178, 2–8–66, Cl. 260—46.5.

Sellers, Ralph F., to Union Carbide Corp. Tetraglycidyl ethers of tris(hydroxybenzyl) phenol. 3,285,938, 11–15–66, Cl. 260—348.

Sellers, Ralph F., to Union Carbide Corp. Polyepoxides cured with the reaction product of a dihydroxydiphenylsulfone, an amine, and aldehyde. 3,285,991, 11–15–66, Cl. 260—831.

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Sellers, Robert S., to Pfizer, Chas. & Co. Inc. Perfume dispensing jewelry with frangible portion. 3,270,525, 9–6–66, Cl. 63—1.

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McGrew, James C., and Hoffman. 3,234,617.

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Sellet, Lucien, to Nopco Chemical Co. Treatments of porous and fibrous substrates. 3,262,811, 7–26–66, Cl. 117—142.

Sellin, Jan. Process and apparatus for admission to tubes in tube heaters. 3,268,435, 8–23–66, Cl. 208—48.

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Sellmeyer, Danel J., to General Motors Corp. Cover seal for shift console. 3,285,093, 11–15–66, Cl. 74—566.

Sellner, Philip A. Farrowing apparatus. 3,263,650, 8–2–66, Cl. 119—20.

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Selnes, Arnold. Buckle for safety belts. 3,252,195, 5–24–66, Cl. 24—230.

Selnes, Norman, W. Ski packs. 3,262,619, 7–26–66, Cl. 224—50.

Selsted, Walter T., and W. I. Girdner, to Hewlett-Packard Co. Tape recording and reproducing apparatus. 3,270,-935, 9–6–66, Cl. 226—188.

Selsted, Walter T., and W. I. Girdner, to Hewlett-Packard Co. Tape guide for tape recording and reproducing apparatus. 3,270,936, 9–6–66, Cl. 226—196.

Seltsam, Harold O., to Tomlinson Industries, Inc. Seat cup. 3,246,872, 4–19–66, Cl. 251—331.

Seltsam, Harold O., to Tomlinson Industries, Inc. Method of making a joint. 3,287,796, 11–29–66, Cl. 29—157.

Seltzer, Morris, to General Electric Co. Measurement tool. 3,281,967, 11–1–66, Cl. 35—24.

Seltzer, Norman L., to The Kendall Co. Methods of forming woven stretchable fabrics. 3,227,511, 1–4–66, Cl. 8—116.3.

Seltzer, Norman L., to The Kendall Co. Fitted sheet. 3,290,-702, 12–13–66, Cl. 5—334.

Seltzer, Robert E., to The American Baler Co. Method of and apparatus for baling. 3,294,013, 12–27–66, Cl. 100—41.

Selvin, Manuel, to United Aircraft Corp. Precision miniature analogue-to-digital converter. 3,277,461, 10–4–66, Cl. 340—347.

Selway, Lionel H., to The Varivane Co. Ltd. Radiator shutter mechanisms. 3,265,300, 8–9–66, Cl. 236—35.2.

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Selwitz, Charles M., to Gulf Research & Development Co. Process for the separation of dianhydrides from a mixture of dianhydrides and monohydride. 3,294,821, 12–27–66, Cl. 260—347.8.

Selwitz, Charles M., and R. A. Walde, to Gulf Research & Development Co. Ester-ester interchange in the presence of an aluminum alkyl catalyst. 3,255,236, 6–7–66, Cl. 260—475.

Selwitz, Larry, to North American Aviation, Inc. Compact liquid heat exchanger. 3,256,703, 6–21–66, Cl. 62—3.

Selzer, John V., to Atlas Safety Equipment Co., Inc. Combined releasable seat and shoulder strap belt. 3,233,941, 2–8–66, Cl. 297—389.

Seman, Colman J. Controllable pitch propeller. 3,253,659, 5–31–66, Cl. 170—160.32.
Seman, Colman J. Taping gun. 3,261,251, 7–19–66, Cl. 83—649.
Seman, Colman J. Machine for mixing ingredients. 3,279,763, 10–18–66, Cl. 259—14.
Semanchik, Stephen B. Convertible tableware. 3,257,024, 6–21–66, Cl. 220—23.83.
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Semeria, Francesco, to Societa Italiana Telecomunicazioni Siemens S.p.A. Transistorized electronic decoder responsive to plural frequencies. 3,287,701, 11–22–66, Cl. 340—171.
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Semmel, John W., Jr., to General Electric Co. Ductile niobium and tantalum alloys. Re. 26,122, 12–6–66, Cl. 75—174.
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Semonsky, Miroslav, V. Zikan, and Z. Votava, to Spofa, Sdruzeni podniku pro zdravotnickou vyrobu. N-(D-1,6-dimethylisoergolenyl-8)-N',N'-dialkylureas. 3,251,846, 5–17–66, Cl. 260—285.5.
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Senda, Shigeo, H. Fujimura, and H. Izumi, to Takeda Chemical Industries, Ltd. Anti-inflammatory barbituric acid derivatives. 3,243,344, 3–29–66, Cl. 167—65.
Senda, Shigeo, H. Fujimura, and H. Izumi, to Takeda Chemical Industries, Ltd. Barbituric acid derivatives. 3,274,195, 9–20–66, Cl. 260—257.
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Sendoykas, Jack J. Index lock. 3,238,819, 3–8–66, Cl. 74—813.
Sendro, George T. Condition control galvanometer with photoelectric limit sensing. 3,249,759, 5–3–66, Cl. 250—231.
Sendzimir, Tadeusz. Reverse angle planetary mill. 3,253,446, 5–31–66, Cl. 72—234.
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Dupieux, Jacques G., and Seneque. 3,281,536.
Senett, William P., to Leesona Corp. Coherent gamma radiation. 3,233,107, 2–1–66, Cl. 250—84.
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Seney, John S., to E. I. du Pont de Nemours and Co. High speed scanning system. 3,272,012, 9–13–66, Cl. 73—341.
Seney, John S., to E. I. du Pont de Nemours and Co. Apparatus for determining mass per unit length. 3,273,380, 9–20–66, Cl. 73—67.2.
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Seng, Robert. Nail detector utilizing metallic particles. 3,293,544, 12–20–66, Cl. 324—41.
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Senger, Horst, to Bolkow Gesellschaft mit beschrankter Haftung. Gyroscope take-off means. 3,252,338, 5–24–66, Cl. 74—5.6.
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Senkewich, Alexander M., 5% to J. M. Heilman, and 5% to M. Kingston. Transformer having conductive gaseous windings. 3,290,550, 12–6–66, Cl. 315—57.
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Sennewald, Kurt, W. Vogt, J. Kandler, R. Sommerfeld, and G. Sorbe, to Knapsack-Griesheim Aktiengesellschaft. Process for preparing unsaturated nitriles. 3,254,110, 5–31–66, Cl. 260—465.3.

Sennewald, Kurt, W. Vogt, H. Erpenbach, and H. Joest, to Knapsack-Griesheim Aktiengesellschaft. Process for the manufacture of pure, concentrated acetic acid from the reaction mixture obtained by paraffin oxidation. 3,258,482, 6–28–66, Cl. 260—541.
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Sennewald, Kurt, G. Legutke, and A. Ohorodnik, to Knapsack Aktiengesellschaft. Process for the manufacture of acrylonitrile. 3,281,451, 10–25–66, Cl. 260—465.3.
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Seward, Edwin R., and S. C. Myers, to B & W Inc. Well centering and cementing device. 3,289,767, 12–6–66, Cl. 166—177.

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Sexsmith, David R., and E. H. Sheers, to American Cyanamid Co. Alkylene oxide adducts of N-alkylacrylamides. 3,232,988, 2–1–66, Cl. 260—561.

Sexsmith, Fred H., to Johnson & Johnson. Bonded nonwoven fabrics and binders for the manufacture thereof. 3,284,233, 11–8–66, Cl. 117—140.

Sexsmith, Fred H., and F. A. Jones, to Johnson & Johnson. Nonwoven fabric containing polyolefin fibers bonded together with a mixture of polyolefin and acrylic resins. 3,228,790, 1–11–66, Cl. 117—138.8.

Sexton, G. Stuart, to International Paper Co. Foldable boxes with interlocking cover structure. 3,246,829, 4–19–66, Cl. 229—31.

Sexton, Robert W., and A. R. Getzin, to American Air Filter Co., Inc. Filter pad and support means therefor. 3,280,984, 10–25–66, Cl. 210—485.

Sexton, William W. Binder for perforated leaves. 3,246,653, 4–19–66, Cl. 129—41.

Seyb, Edgar J., Jr., and A. J. Wallace, Jr., to M & T Chemicals Inc. Electrochemical product. 3,232,718, 2–1–66, Cl. 29—194.

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Seyfried, Arthur W., to Scovill Mfg. Co. Shaft bearing mounting means for motors and other mechanisms. 3,261,997, 7–19–66, Cl. 310—90.

Seyfried, Richard F., to The Ohio Crankshaft Co. Metal forming apparatus. 3,251,974, 5–17–66, Cl. 219—7.5.

Seyfried, Richard F., to The Ohio Crankshaft Co. Magnetic amplifier controlled power supply. 3,281,659, 10–25–66, Cl. 323—89.

Seyl, Robert G. Simplified method of measuring corrosion using reference electrode. 3,250,689, 5–10–66, Cl. 204—1.

Seyler, Alfred, to Continental Gummi-Werke A.G. Bias cutter for webs especially for layers of tires. 3,274,877, 9–27–66, Cl. 83—473.

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Seymour, James G.: *See*—
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Seymour, Keith G., and B. G. Harper, to The Dow Chemical Co. Process for applying gelled compositions of fungicides. 3,253,984, 5–31–66, Cl. 167—42.

Seymour, Keith G., and B. G. Harper, to The Dow Chemical Co. Process for applying gelled compositions of insecticides. 3,253,985, 5–31–66, Cl. 167—42.

Seymour, Ralph V., and C. E. Bullard. Shell catcher attached to the reciprocable bolt of a firearm. 3,270,617, 9–6–66, Cl. 89—33.

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Shabram, Lyle, to J. M. Vanlandingham, d.b.a. Rol-Seal Co. Heat sealing wrapping device. 3,276,940, 10–4–66, Cl. 156—515.

Shachar, Avi. Mechanical page-turner. 3,277,596, 10–11–66, Cl. 40—104.

Shack, Roland V., to United States of America, Army. Image evaluation device. 3,250,177, 5–10–66, Cl. 88—56.

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Shafer, Homer J. Ball valve construction. 3,269,692, 8–30–66, Cl. 251—172.

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Shapiro, Seymour L., deceased (by F. M. Shapiro, executrix), L. Freedman, and H. Soloway, to U.S. Vitamin & Pharmaceutical Corp. Heterocyclic amino phenoxyacetic esters; acid addition salts, and quaternary ammonium salts thereof. 3,270,025, 8–30–66, Cl. 260—294.3.

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Shea, Frederick L., Jr., and G. Stecker, to Great Lakes Carbon Corp. Production of low-permeability, high-density, carbon and graphite bodies. 3,246,056, 4–12–66, Cl. 264—29.

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Sidi, Henri, to Tenneco Chemicals, Inc. Branched chain copolymers of formaldehyde. 3,293,222, 12–20–66, Cl. 260—67.

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Siebel, Hans P., and H.-W. Otto, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Production of impact-resistant thermoplastic molding materials. 3,275,712, 9–27–66, Cl. 260—876.

Siebel, Hans P., and H.-W. Otto, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Styrene-acrylonitrile copolymers blended with craft copolymers of styrene onto butadiene-alkyl acrylate-vinyl alkyl ether terpolymers. 3,280,-219, 10–18–66, Cl. 260—876.

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Siebertz, Karl, to Siemens & Halske Aktiengesellschaft. Method of permanently contacting an electronic semiconductor. 3,274,667, 9–27–66, Cl. 29—155.5.

Siebertz, Karl, and H. Henker, to Siemens & Halske Aktiengesellschaft. Method for remelting a rod of crystallizable material by crucible-free zone-melting. 3,234,012, 2–8–66, Cl. 75—65.

Siebol, George to Olympic Screw & Rivet Corp. Pull-type blind rivet. 3,230,818, 1–25–66, Cl. 85—71.

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Siegel, Joel R., to Esso Research and Engineering Co. Hydrocarbon oils having improved water tolerance. 3,265,474, 8–9–66, Cl. 44—62.

Siegel, Joel R., and H. H. Horowitz, to Esso Research and Engineering Co. Gel prevention in polymeric additives for hydrocarbon oils. 3,255,155, 6–7–66, Cl. 260—78.5.

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Sigel, Wilhelm. Thread cutter for thread reeling or spooling apparatus. 3,269,669, 8–30–66, Cl. 242—19.
Siggel, Erhard: *See*—
Magerlein, Helmut, Meyer, Rosener, and Siggell. 3,278,634.
Siggelin, Gert K. A. Pressure relief valve. 3,263,698, 8–2–66, Cl. 137—467.
Sigl, John: *See*—
Wallenbrock, Ralph E., and Sigl. 3,232,071.
Sigl, Louis J. Safety control means for heating apparatus. 3,227,144, 1–4–66, Cl. 122—504.1.
Sigl, Louis J. Fusible safety valve mounting. 3,227,170, 1–4–66, Cl. 137—73.
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Bennett, Darien. 3,230,720.
Sigma Engineering Service, Inc.: *See*—
Ianuzzi, Joseph N., and Bryner. 3,268,992.
Sigma Instruments Inc.: *See*—
Adkins, Harold T. 3,237,057.
Adkins, Harold T. 3,254,185.
Adkins, Harold T., and Wallour. 3,240,907.
Bengtsson, Bertil S. 3,236,987.
Bengtsson, Bertil S. 3,270,301.
Stein, Laurence B., Jr. 3,251,014.
Sigman, John J., *Jr.*: *See*—
Praeg, Walter S., and Sigman. 3,247,301.
Sigmatron, Inc.: *See*—
Steele, Gordon N. 3,239,134.
Sigmon, Carl L., to Hickory Foundry and Machine Co. Sealing device. 3,284,987, 11–15–66, Cl. 53—373.
Sigmond, David. Surveillance camera. 3,269,288, 8–30–66, Cl. 95—11.
Signal Mfg. Co.: *See*—
Rideout, Gerald E. 3,254,480.
Smith, Aaron H. 3,231,922.
Smith, Aaron H. 3,256,746.
Staples, Arthur B., Jr. 3,252,627.
Signal Oil and Gas Co.: *See*—
Fitch, Charles M. 3,267,019.
Hamm, George E. 3,282,831.
Macey, James G. 3,268,289.
Palo, Robert O. 3,289,609.
Parish, Clyde E. 3,275,698.
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Signamotor, Inc.: *See*—
Baehr, Karl W. 3,287,721.
Signetics Corp.: *See*—
Allison, David F. 3,295,030.
Caracciolo, Edward A. 3,271,625.
Weissenstern, Mark, and Wingrove. 3,255,511.
Weissenstern, Mark, and Wingrove. 3,256,465.
Signode Corp.: *See*—
Gould, Russell J., and Sanderson. 3,279,590.
Haraden, William J. 3,284,049.
Howard, Frank, and Langas. 3,272,417.
Huson, Gale. 3,260,506.
Kobiella, Robert J. 3,294,012.
Langas, Arthur. 3,229,589.
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Leslie, John H., and Lingle. Re. 26,114.
Lingle, Harrison C., and Howard. 3,269,274.
Lingle, Harrison C. 3,249,131.
Lingle, Harrison C. 3,285,489.
Lucas, Glennard R. 3,242,001.
Lucas, Glennard R., and Shelton. 3,235,403.
Martin, Hollinshead T., Ericsson, and Vilcins. 3,267,535.
Martin, Hollinshead T., and Huson. 3,265,355.
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Signode Corp.: *See*—Continued
Sanderson, John W. 3,276,575.
Shelton, Lawrence S. 3,229,661.
Sterner, Olle P. 3,261,527.
Young, Hobart P. 3,237,256.
Young Hobart P. 3,261,090.
Signor, William E., to Rolaview, Inc. Pull out display device. 3,245,635, 4–12–66, Cl. 242—107.
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Strohm, Paul F., Shay, and Signorino. 3,254,114.
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Goodrich, William F. 3,253,541.
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Sigoda, Merton A.: *See*—
Sigoda, Victor J., J., and M. A. 3,246,620.
Sigoda, Victor J., J., and M. A., to Man-Sew Corp. Compound stitching devices. 3,246,620, 4–19–66, Cl. 112—162.
Sigona, Frank M., to Aerojet-General Corp. Insulating material for vacuum insulating system. 3,231,125, 1–25–66, Cl. 220—9.
Sigsbee, Carl E.: *See*—
Deisenroth, Robert J., and Sigsbee. 3,253,367.
Deisenroth, Robert J., and Sigsbee. 3,258,876.
Sihvonen, Kauno E., to Neff Instrument Corp. Graphical recording system employing heated ink compositions. 3,247,519, 4–19–66, Cl. 346—140.
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Silberg, Hemming G., to Tung-Sol Electric Inc. Magnetic series flasher having two electromagnetic coils and a magnetically reversible armature. 3,284,735, 11–8–66, Cl. 335—91.
Sikina, Thomas V.: *See*—
Hall, John A., Jr., and Sikina. 3,235,945.
Sikina, Thomas V., to Philco Corp. Semiconductor integrated structures and methods for the fabrication thereof. 3,274,453, 9–20–66, Cl. 317—234.
Sikina, Thomas V., and F. L. Murray, Jr., to Philco Corp. Method of fabricating thin film R-C circuits on single substrate. 3,256,588, 6–21–66, Cl. 29—155.5.
Siklos, Gregory, to Marbelite Co., Inc. Permanent magnet operable reed switch. 3,292,123, 12–13–66, Cl. 335—205.
Sikora, Hans, to H. Ziller. Seal for antifriction bearings. 3,245,735, 4–12–66, Cl. 308—187.1.
Sikora, Hans, to H. Ziller. Seal for grease-lubricated antifriction bearings. 3,250,580, 5–10–66, Cl. 308—187.1.
Sikora, Jozef. Apparatus for launching satellite-carrying rockets. 3,267,809, 8–23–66, Cl. 89—1.7.
Sikorra, Daniel J., to Honeywell Inc. Saturable reactor and transistor bridge voltage control apparatus. 3,233,161, 2–1–66, Cl. 318—257.
Sikorra, Daniel J., to Honeywell Inc. Saturable core pulse width control apparatus. 3,238,445, 3–1–66, Cl. 323—75.
Sikorra, Daniel J., to Honeywell Inc. Aircraft control apparatus and difference amplifier therefor. 3,239,733, 3–8–66, Cl. 318—18.
Sikorra, Daniel J., to Honeywell Inc. Demodulator having its two channels alternately rendered inactive to an input signal. 3,239,768, 3–8–66, Cl. 329—50.
Sikorra, Daniel J., to Honeywell Inc. Control apparatus. 3,271,567, 9–6–66, Cl. 235—195.
Sikorski, Frank B.: *See*—
Esperseth, Maurice H., Sikorski, Spellnes, and Wedmore. 3,275,752.
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Courtney-Pratt, Jeofry S., and Sikorski. 3,241,930.
Sikorski, Mathew E., to Bell Telephone Laboratories, Inc. Semiconductive stress sensing devices. 3,284,679, 11–8–66, Cl. 317—235.
Sikorski, Paul E., to Monsanto Co. Apparatus for processing liquids. 3,279,893, 10–18–66, Cl. 23—285.
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Ellison, Hal J. 3,230,137.
Silard, Bela A., and H. Schulkind, to Pholovolt Corp. Temperature compensated circuit arrangements. 3,293,540, 12–20–66, Cl. 323—68.
Silber, Maurice. Automatic telephone dialing apparatus. 3,274,346, 9–20–66, Cl. 179—90.
Silbereis, Joseph A., and D. A. Wolf, to The Huffman Mfg. Co. Knock-down bicycle. 3,259,399, 7–5–66, Cl. 280—287.
Silberg, Sylvan, and R. D. Slayton, to Teletype Corp. Error detection system. 3,242,461, 3–22–66, Cl. 340—146.1.
Silberger, Marvin E., to American Chain & Cable Co., Inc. Hoist bottom block. 3,250,516, 5–10–66, Cl. 254—192.
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Greenwald, Harry. 3,259,824.
Greenwald, Harry. 3,269,504.
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Greenwald, Harry, Malek, and Avion. 3,289,802.
Greenwald, Harry, Malek, and Schieber. 3,260,339.
Silberkuhl, Wilhelm J., U. Kasti, and E. Haeussler. Shell structure for concrete roofs and the like. 3,292,315, 12–20–66, Cl. 52—80.
Silberman, Alexandria: *See*—
Maltenfort, Martin S. 3,285,155.
Silberman, David, to Talon, Inc. Lock slider for slide fasteners. 3,292,224, 12–20–66, Cl. 24—205.14.
Silberman, Henri C.: *See*—
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Silberman, Jay L. Practice golf club. 3,229,980, 1–18–66, Cl. 273—186.
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Silberman, Robert L., to Ekco Products Co. Heating unit. 3,239,651, 3–8–66, Cl. 219—388.
Silberman, Samuel J. Apparatus for wrapping and tipping cigars. 3,238,951, 3–8–66, Cl. 131—61.
Silberstein, Otmar O., to Baxter Laboratories, Inc. Method of tenderizing meat. 3,276,879, 10–4–66, Cl. 99—107.
Silberzahn, Helmuth. Apparatus for cleaning particularly heavily soiled bottles. 3,237,632, 3–1–66, Cl. 134—142.
Silby, Harry. Tobacco smoke filter. 3,279,478, 10–18–66, Cl. 131—266.
Silcox, Norman W.: *See*—
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Silenius, Robert T., E. W. Binkley, and A. G. Baird, to Smith & Stone Ltd. Baby car seat. 3,285,655, 11–15–66, Cl. 297—254.
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Singer, Otto. 3,285,083.
Silentbloc Ltd.: *See*—
Nicolaisen, Juncker Z. 3,236,513.
Siler, David R., to American Chain & Cable Co., Inc. Wire wrapping tool. 3,242,661, 3–29–66, Cl. 57—18.
Siler, Joseph T. Method of joining parts. 3,257,720, 6–28–66, Cl. 29—464.
Sileski, Albert A. Refuse segregating and compacting device. 3,232,220, 2–1–66, Cl. 100—137.
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Silka, Walter, to Westinghouse Air Brake Co. Core breaker for ripper type miner. 3,279,856, 10–18–66, Cl. 299—85.
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Stricker, Henry C., Jr., and Sill. 3,266,837.
Stricker, Henry C., Jr., Sill, and Cribben. 3,288,492.
Sill, Gustave A.: *See*—
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Sillars, Frederick S., to United Shoe Machinery Corp. Side seam soldering machines. 3,255,856, 6–14–66, Cl. 193—1.
Sillars, Frederick S., to United Shoe Machinery Corp. Side seam soldering machine. 3,255,945, 6–14–66, Cl. 228—47.
Siller, Bruno, to Pertrix-Union G.m.b.H. Positive electrode plate for galvanic element. 3,279,948, 10–18–66, Cl. 136—83.
Sillers, William M., Jr., to Bell Telephone Laboratories, Inc. Monitoring circuit for alternating current signals. 3,249,929, 5–5–66, Cl. 340—248.
Sillers, William M., Jr., to Bell Telephone Laboratories, Inc. Delay timing circuit. 3,254,242, 5–31–66, Cl. 307—88.5.
Sillett, Robert E., to Dresser Industries, Inc. Hydraulic assembly and disassembly of parts having a heavy interference fit. 3,228,102, 1–11–66, Cl. 29—252.
Silletti, Rocco W. Liquid floating device. 3,256,916, 6–21–66, Cl. 141—286.
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Silliman, John C., and G. E. Huck, to American Pipe and Construction Co. Machine for making wire reinforcement cages. 3,233,688, 2–8–66, Cl. 140—112.
Silliman, Sheldon D., to Westinghouse Electric Corp. Circuit breaker control system. 3,254,271, 5–31–66, Cl. 317—148.5.
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Meyers, Arthur. 3,294,096.
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Plesko, William A., and Silogy. 3,249,264.
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Silva, Joseph, and C. A. Steele, to Leesona Corp. Winding machine. 3,258,222, 6–28–66, Cl. 242—130.
Silva, Joseph W.: *See*—
Cowles, Raymond I., Lowry, Silva, and Woodring. 3,262,390.
Silva, Stanley. Lift mechanism. 3,288,436, 11–29–66, Cl. 254—86.
Silvano, Anthony F. Average calculator. 3,263,919, 8–2–66, Cl. 235—70.
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Silver, Albert E., ½ each to A. S. Tesler, and S. Boyers. Pressurized dispenser assembly having a plurality of individual chambers. 3,269,605, 8–30–66, Cl. 222—135.
Silver, Alexander: *See*—
Abrams, Edward F., Plunk, and Silver. 3,266,320.
Jackson, John K., and Silver. 3,252,283.
Plunk, William C., and Silver. 3,285,071.
Silver, Alexander, W. C. Plunk, E. F. Abrams, and J. E. Chapman, to The Garrett Corp. Sine function vector balance transducer. 3,252,326, 5–24–66, Cl. 73—407.
Silver, Bernard, to Electro-Nite Engineering Co. Polarized latching electrical coupling. 3,246,278, 4–12–66, Cl. 339—8.
Silver, Bernard, to Atlantic Research Corp. Gas-generating devices. 3,270,502, 9–6–66, Cl. 60—35.6.
Silver, Bernard, to Atlantic Research Corp. Well-treating apparatus. 3,270,668, 9–6–66, Cl. 102—20.
Silver, Bernard R., to Rau Fastener Co. Hook and eye structure. 3,248,768, 5–3–66, Cl. 24—225.
Silver, Bernard R., to Rau Fastener Co. Snap fastener component. 3,290,744, 12–13–66, Cl. 24—90.5.
Silver, Dennis S., to Purdy Machinery Co. Ltd. Mechanism for separating sheets of flexible material from a pack or stack thereof. 3,273,885, 9–20–66, Cl. 271—27.
Silver, Dennis S., to Purdy Machinery Co. Ltd. Magazines for holding packs of sheet material. 3,291,483, 12–13–66, Cl. 271—62.
Silver, Edward S. Eddy current apparatus. 3,286,145, 11–15–66, Cl. 318—31.
Silver, Harold, to Radio Corp. of America. Fluid supported transducer with laterally stressed resilient flexible diaphragm. 3,249,701, 5–3–66, Cl. 179—100.2.
Silver, Harold F., C. R. Steele, and F. B. Price, to American Factors Associates, Ltd. Solvent extraction process. 3,248,263, 4–26–66, Cl. 127—45.
Silver, Howard S., to Sperry Rand Corp. Electrical connector for interconnecting printed circuit panels. 3,239,798, 3–8–66, Cl. 339—176.
Silver, Jules, and K. Appel, to Masti-Kure Co., Inc. Colloidal silica-oil composition and method of using same. 3,252,859, 5–24–66, Cl. 167—53.2.
Silver, Julius L.: *See*—
Dickinson, Barry L., and Silver. 3,231,377.
Dickinson, Barry L., and Silver. 3,231,381.
Silver, Julius L., to Union Carbide Corp. Image enhancement in photosensitive composition for planographic printing plates. 3,231,378, 1–25–66, Cl. 96—33.
Silver, Julius L., to Union Carbide Corp. Printing plate compositions. 3,231,382, 1–25–66, Cl. 96—85.
Silver, Julius L., and V. Auerbach, to Union Carbide Corp. Laminated planographic printing plates. 3,285,745, 11–15–66, Cl. 96—90.
Silver, Robert S., to Radio Corp. of America. Signal translating circuit employing insulated-gate field effect transistors coupled through a common semiconductor substrate. 3,246,173, 4–12–66, Cl. 307—88.5.
Silver, Theodore J., to United Aircraft Corp. Method of compacting ferrite particles. 3,264,716, 8–9–66, Cl. 29—155.60.
Silver, Theodore J., to United Aircraft Corp. Method of and apparatus for compacting ferrite particles. 3,277,524, 10–11–66, Cl. 18—5.
Silverberg, Morton, to Radio Corp. of America. Electrical connectors. 3,268,849, 8–23–66, Cl. 339—182.
Silverberg, Morton, to Radio Corp. of America. Logic circuits. 3,274,398, 9–20–66, Cl. 307—88.5.
Silverbrook Mfg. Co. Inc.: *See*—
Mahall, Edward J. 3,250,158.
Mahall, Edward J. 3,262,338.
Silverman, Abe, to Silveco Rubber Products, Inc. Surgical breast pad. 3,278,947, 10–18–66, Cl. 3—36.
Silverman, Arthur. Metal window having a slidable and swinging sash. 3,287,853, 11–29–66, Cl. 49—179.
Silverman, Arthur A.: *See*—
Cooney, Lawrence J., Gaworski, and L. H. and A. A. Silverman. 3,246,354.
Silverman, Bernard H.: *See*—
Michelotti, Francis W., Pucknat, and Silverman. 3,242,111.
Silverman, Daniel, to Pan American Petroleum Corp. Seismic surveying with multiple falling weights. 3,277,977, 10–11–66, Cl. 181—5.
Silverman, Daniel, to Pan American Petroleum Corp. Reducing the effect of multiple reflections of seismic wave signals. 3,278,893, 10–11–66, Cl. 340—15.5.
Silverman, Daniel, to Pan American Petroleum Corp. Phase varying continuous wave seismic surveying system. 3,288,243, 11–29–66, Cl. 181—.5.
Silverman, Daniel, to Pan American Petroleum Corp. Explosive charge. 3,289,583, 12–6–66, Cl. 102—20.
Silverman, Daniel, to Pan American Petroleum Corp. Data plotting system. 3,293,657, 12–20–66, Cl. 346—110.
Silverman, Daniel, and H. M. Lang. Method of simultaneously deforming two overlapping tubular metal elements to form interlocking ridges. 3,290,770, 12–13–66, Cl. 29—421.
Silverman, Daniel, and H. M. Lang, to Shok Lok Co. Method and apparatus for joining lined tubular elements. 3,290,771, 12–13–66, Cl. 29—421.
Silverman, David: *See*—
Serdahely, Anthony M., and Silverman. 3,227,986.
Silverman, Elsie B.: *See*—
Baker, Joe H. 3,244,527.
Silverman, Eugene N.: *See*—
Hubble, David H., and Silverman. 3,235,936.
Silverman, I. Irving: *See*—
Green, Edward H., and Silverman. 3,231,153.
Silverman, Jacob and S. Workpiece stacking apparatus. 3,276,776, 10–4–66, Cl. 271—86.
Silverman, Lee H.: *See*—
Cooney, Lawrence J., Gaworski, and L. H. and A. A. Silverman. 3,246,354.
Silverman, Louis M., to Transitoke, Inc. Package for transit tokens and the like. 3,285,397, 11–15–66, Cl. 206—.83.
Silverman, Milton: *See*—
Turner, Mason M., and Silverman. 3,278,648.
Silverman, Murray. Adjustable finger ring or the like. 3,228,208, 1–11–66, Cl. 63—15.65.
Silverman, Seymour: *See*—
Silverman, Jacob and S. 3,276,776.
Silvern, David H., to Dresser Industries, Inc. Discharge cooler arrangement for rotary positive displacement vacuum pump. 3,285,332, 11–15–66, Cl. 165—122.
Silvern, David H., and K. E. Nichols, to Sundstrand Corp. Turbine cooling device. 3,271,952, 9–13–66, Cl. 60—39.66.

Silvern, Reed G. Variable key. 3,243,979, 4–5–66, Cl. 70—411.

Silvers John P., to Avco Corp. Nuclear reactor hydropulse system. 3,258,405, 6–28–66, Cl. 176—65.

Silverschotz, Stanford B.: *See*—
Bailey, Robert S., Senchak, Silverschotz, and McWhirter. 3,261,911.

Silverschotz, Stanford B., to International Telephone and Telegraph Corp. Automatic sorting system. Re. 25,998, 3–29–66, Cl. 209—111.8.

Silversmith, Ernest F., to E. I. du Pont de Nemours and Co. Process for transferring heat. 3,237,683, 3–1–66, Cl. 165—1.

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Silverstein, Abraham, to United States of America, Navy. Magnetometer housing. 3,243,496, 3–29–66, Cl. 174—18.

Silverstein, Abraham, to United States of America, Navy. Automatic instrumented diving assembly. 3,248,939, 5–3–66, Cl. 73—170.

Silverstein, Abraham, to United States of America, Navy. Automatic instrumented diving assembly. 3,267,419, 8–16–66, Cl. 340—4.

Silverstein, Calvin C., to Cornell Aeronautical Laboratory, Inc. Nuclear reactor. 3,287,910, 11–29–66, Cl. 60—203.

Silverstein, Melvin F.: *See*—
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Silverstein, Melvin F., and N. De Claris, to Arcs Industries, Inc. Recognizer apparatus responsive to a predetermined relation of plural signals. 3,246,297, 4–12–66, Cl. 340—149.

Silverstein, Robert M.: *See*—
Mill, Theodore, Rodin, Silverstein, and Woolf. 3,291,826.

Silverthorne, Clarence B., to United States of America, Army. Warhead cone latching device. 3,277,826, 10–11–66, Cl. 102—92.5.

Silverwater, Bernard F.: *See*—
Farris, John A., Seawert, and Silverwater. 3,283,902.
Pall, David B., and Silverwater. 3,262,564.

Silverwater, Bernard F., to Pall Corp. Filter for use under icing conditions. 3,245,541, 4–12–66, Cl. 210—307.

Silverwater, Bernard F., to Pall Corp. Dual-valve, dual-element, constant flow, filter assembly. 3,262,565, 7–26–66, Cl. 210—90.

Silvestrani, Mario. Moving-arm machine for the rapid removal of tires from their rims. 3,238,989, 3–8–66, Cl. 157—1.24.

Silvestri, Achille, to United States of America, Navy. Optical colorimetric comparison device. 3,229,565, 1–18–66, Cl. 88—14.

Silvestri, George J., Jr., to Westinghouse Electric Corp. Regenerative turbine power plant. 3,289,408, 12–6–66, Cl. 60—67.

Silvestri, Herbert H.: *See*—
Johnson, David A., and Silvestri. 3,278,525.

Silvius, Paul: *See*—
Hauser, Richard, and Silvius. 3,229,051.

Silvius, Paul, and C. T. Walker, to Westinghouse Electric Corp. Rotary switch construction with rotor contact position limiting means. 3,229,052, 1–11–66, Cl. 200—11.

Silvon, Kay, to Omark Industries, Inc. Top sharpening saw chain. 3,263,717, 8–2–66, Cl. 143—135.

Silvon, Kay, to Omark Industries, Inc. Saw chain. 3,283,789, 11–8–66, Cl. 143—32.

Silwones. Steven S., to Elastic Stop Nut Corp. of America. Solid film lubricant. 3,244,625, 4–5–66, Cl. 252—28.

Sim, Nigel L., and A. J. Millard, to International Standard Electric Corp. Electric arc welding circuit. 3,243,566, 3–29–66, Cl. 219—60.

Simaitis, Gervydas E.: *See*—
Dennard, Robert H., Juliusburger, Nakagawa, and Simaitis. 3,234,470.

Simard, Maurice E., and C. H. Banker. Dispensing apparatus. 3,255,859, 6–14–66, Cl. 194—85.

Simas, William E., to The Triangle Co. Portable overhead bin with trailer. 3,251,497, 5–17–66, Cl. 214—515.

Simas, William E., to The Triangle Co. Portable overhead bin with trailer. 3,265,443, 8–9–66, Cl. 302—59.

Simborg, Edward J., and J. A. Henricks, to International Nikoh Corp. Continuous method for fabricating tubing. 3,226,817, 1–4–66, Cl. 29—430.

Simca Automobiles, Societe Anonyme Dite: *See*—
Cauvin, André. 3,233,253.

Simcox, Donald J.: *See*—
Newnham, John L. M., Merriman, and Simcox. 3,251,916.
Newnham, John L. M., and Simcox. 3,277,026.

Sime, Malcolm A.: *See*—
Salerno, Paul G., Smith, Parks, Sime, and Zadoo. 3,237,862.

Sime, Sylvan H., to Deere & Co. Silo unloader. Re. 26,072, 8–2–66, Cl. 214—17.

Sime, Sylvan H., to Deere & Co. Discharge conveyor for silo unloader. 3,243,058, 3–29–66, Cl. 214—17.

Simek, Oscar R. Neck scarf attachment. 3,261,025, 7–19–66, Cl. 2—149.

Simeone, Anthony B.: *See*—
Simeone, Robert A. and A. B. 3,270,418.

Simeone, Robert A. and A. B. Rifle sight. 3,270,418, 9–6–66, Cl. 33—56.

Simering-Graz-Pauker Aktiengesellschaft fur Maschinen-Kessel- und Waggonbau: *See*—
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Simerson, Wilburn F.: *See*—
Wray, William E., and Simerson. 3,277,755.

Simi, Edward A., to Douglas Motors Corp. Snow blower. 3,252,233, 5–24–66, Cl. 37—43.

Simich, Emil, to Interlake Iron Corp. Mash seam weld method. 3,279,050, 10–18–66, Cl. 29—480.

Simich, Emil, and J. N. Wognum, to Interlake Steel Corp. Corrugated binder strap. 3,235,071, 2–15–66, Cl. 206—83.6.

Simich, Emil, and J. N. Wognum, to Interlake Iron Corp. Heat treating and quenching apparatus. 3,239,201, 3–8–66, Cl. 266—3.

Siminski, Michael C., Jr.: *See*—
Sharetts, Robert R., and Siminski. 3,233,582.
Sharetts, Robert R., and Siminski. 3,257,116.

Simioni, Sergio. Internal combustion turbine engine. 3,266,249, 8–16–66, Cl. 60—39.36.

Simison, Allen L., to Owens Corning Fiberglas Corp. Method and apparatus for treating and packaging strands of filaments. 3,281,223, 10–25–66, Cl. 65—3.

Simjian, Luther G., to General Research, Inc. Postage metering system. 3,255,439, 6–7–66, Cl. 340—172.5.

Simjian, Luther G. to Universal Match Corp. Document handling system. 3,266,626, 8–16–66, Cl. 209—75.

Simjian, Luther G., to Universal Match Corp. Depository machine. 3,295,139, 12–27–66, Cl. 346—22.

Simkin, Joseph: *See*—
Block, Burton P., Simkin, Roth, and Rose. 3,255,125.

Simkins, Daniel, to Continental Can Co., Inc. Bulk carrier and connector. 3,248,037, 4–26–66, Cl. 229—15.

Simkins, Leon L., to Hughes Aircraft Co. High voltage measuring probes with interconnecting wire storage reel. 3,287,642, 11–22–66, Cl. 324—149.

Simkins, Quinton W.: *See*—
Mallery, Paul, and Simkins. 3,254,158.
Riseman, Jacob, Simkins, and Flur. 3,264,619.

Simko, Aladar O.: *See*—
Hideg, Laszlo, Sebestyen, and Simko. 3,270,721.

Simko, Aladar O., and L. Hideg, to Ford Motor Co., Internal combustion engine. 3,294,072, 12–27–66, Cl. 123—32.

Simko, Frank A., Jr.: *See*—
Bergna, Horacio E., and Simko. 3,284,369.

Simko, Stephen, to United States Steel Corp. Apparatus for storing hoisting equipment. 3,291,318, 12–13–66, Cl. 211—13.

Simkover, Harold G., to Shell Oil Co. Insect growth and reproduction control. 3,242,044, 3–22–66, Cl. 167—33.

Simm, G. E. (Engineering) Ltd.: *See*—
Alexander, John H. and Alexander. 3,248,974.

Simm, Walter, and O. Koch, to Agfa Aktiengesellschaft. Electrophotographic developer electrode. 3,228,608, 1–11–66, Cl. 239—15.

Simm, Walter, and H. Haydn, to Agfa Aktiengesellschaft. Apparatus for producing photographic images and printing plates. 3,249,738, 5–3–66, Cl. 219—216.

Simm, Wolfgang, to Sulzer Bros. Ltd. Cold-hardening foundry mixture comprising an epoxy resin and furfuryl alcohol as a catalyst. 3,268,466, 8–23–66, Cl. 260—29.2.

Simmerman, Harry G.: *See*—
Keen, James L., and Simmerman. 3,231,560.

Simmers, Charles D., to Johns-Manville Corp. Apparatus for forming fiber. 3,238,028, 3–1–66, Cl. 65—14.

Simmers, Charles D., to Johns-Manville Corp. Rotor for forming glass filaments. 3,245,768, 4–12–66, Cl. 65—15.

Simmers, Charles D., T. R. Gould, and R. C. Anderson, to Johns-Manville Corp. Apparatus for producing a propulsion stream adapted to attenuate fibers. 3,249,413, 5–3–66, Cl. 65—16.

Simmler, Walter: *See*—
Reischl, Artur, Simmler, Muller, and Ellegast. 3,243,475.
Sinn, Gustav, Hornig, and Simmler. 3,246,339.
Sinn, Gustav, Hornig, and Simmler. 3,255,140.
Steinbach, Hans-Horst, Damm, and Simmler. 3,248,296.

Simmon, Alfred, to Simmon Bros., Inc. Density control for photographic enlargers. 3,227,039, 1–4–66, Cl. 88—24.

Simmon Bros., Inc.: *See*—
Simmon, Alfred. 3,227,039.

Simmonds Precision Products, Inc.: *See*—
Bryden, Richard J., and Richter. 3,229,294.
Cohn, Irving H. 3,236,091.
Crandall, Milton A. 3,262,072.
Di Giacomo, Sebastian F., Lewis, and Reid. 3,256,738.
Edwards, Harrison F. 3,228,245.
Mathews, Edward C. 3,291,605.
Morris, John N., Fishman, and Bloom. 3,238,934.
Samuelian, Robert V. 3,230,433.
Schafer, Curtiss R. 3,244,897.
Van Manen, Siderius. 3,258,961.

Simmonds, Robert C., Jr.: *See*—
Elliott, Richard M., Hobbs, Mercaldi, and Simmonds. 3,259,239.

Simmonds, Robert C., Jr., P. G. Rumball, and R. V. Brophy, to United Shoe Machinery Corp. Automatic roughening machines. 3,267,705, 8–23–66, Cl. 69—6.5.

Simmons, Alan J., to Laboratory for Electronics, Inc. Doppler array with plural slotted waveguides and feed switching. 3,276,026, 9–27–66, Cl. 343—768.

Simmons, Arthur W., and J. Washbourn, to Westinghouse Brake & Signal Co., Ltd. Brake valve device with minimum application insuring feature. 3,245,730, 4–12–66, Cl. 303—56.

Simmons, Bernard R., and B. J. Myers, to S. & S. Machinery Co., Inc. Mine trailer. 3,291,327, 12–13–66, Cl. 214—83.36.

Simmons, Bjorn H. O., to Bofors, Aktiebolaget. Priming device for igniting the main charge of a missile. 3,238,877, 3–8–66, Cl. 102—70.

Simmons, Cecil E., to J. Galion Mfg. Co. Continuous muller. 3,263,967, 8–2–66, Cl. 259—9.

Simmons, Charles A., to Martin-Marietta Corp. Reaction time tester for acceleration sensitive devices. 3,277,726, 10–11–66, Cl. 73—1.

Simmons, Cincinnattias P., to Sun Oil Co. Plug valve for flow lines. 3,283,354, 11–8–66, Cl. 15—104.06.

Simmons Co.: *See*—
Carlson, Robert S. 3,227,439.
Duncan, Sheldon F. 3,230,558.
Peterson, Warren J. 3,230,554.
Scott, James H. 3,227,440.

Simmons, Donald M., Jr., to Homestead Valve Mfg. Co. Method of operating spray generator. 3,236,689, 2–22–66, Cl. 134—34.

Simmons, Edward E. Pump. 3,274,946, 9–27–66, Cl. 103—161.

Simmons, Edward R.: *See*—
Schelthauer, Arthur C., and Simmons. 3,258,999.

Simmons, Elmer C., to Laboratory for Electronics, Inc. Display apparatus. 3,292,154, 12–13–66, Cl. 340—172.5.

Simmons, Ernest P. Electric gun firing mechanism. 3,250,034, 5–10–66, Cl. 42—84.

Simmons, Ernest P. Sight for shotguns. 3,284,905, 11–15–66, Cl. 33—47.

Simmons, Ernest P. Fluid gun for cleaning electric razors. 3,291,341, 12–13–66, Cl. 222—4.

Simmons, Harold T., to P. R. Mallory & Co., Inc. Second sub-interval circuit means for escapement devices. 3,239,614, 3–8–66, Cl. 200—38.

Simmons, Harold T., and G. A. Hamilton, to P. R. Mallory & Co., Inc. Sequential timer. 3,271,537, 9–6–66, Cl. 200—38.

Simmons, James B. Pavement cutter. 3,271,079, 9–6–66, Cl. 299—40.

Simmons, James R., to Dimensional Concepts Inc. Display device. 3,294,249, 12–27–66, Cl. 211—134.

Simmons, Jesse T. Re-surfacing tool. 3,286,552, 11–22–66, Cl. 77—2.

Simmons, Joe J., to Ideal Development Co. Removable dental appliances and methods of making same. 3,271,858, 9–13–66, Cl. 32—5.

Simmons, John G., to Burroughs Corp. Quantum mechanical tunnel injection amplifying apparatus. 3,267,389, 8–16–66, Cl. 330—37.

Simmons, John G., to Burroughs Corp. Active thin film quantum mechanical tunneling apparatus. 3,275,844, 9–27–66, Cl. 307—88.5.

Simmons, John G., and R. I. Frank, to Burroughs Corp. Thin film, solid state amplifier with source and drain on opposite sides of the semiconductor layer. 3,293,512, 12–20–66, Cl. 317—235.

Simmons, Lawrence C., to Cleveland Technical Center, Inc. Track rail snow and ice melter. 3,264,472, 8–2–66, Cl. 246—428.

Simmons, Lawrence C., to Cleveland Technical Center, Inc. Acceleration measurement apparatus. 3,269,191, 8–30–66, Cl. 73—492.

Simmons, Marsden H. Ice storage system. 3,277,666, 10–11–66, Cl. 62—320.

Simmons, Patrick M. L., ½ to G. I. Magnuson, and ½ to G. I. and R. Magnuson, and L. J. Fox, trustees of the estate of R. M. Magnuson. Apparatus for determining end orientation of produce. 3,289,808, 12–6–66, Cl. 198—33.

Simmons, Reid W., deceased: V. W. Simmons, executrix. Fabric guiding device. 3,255,650, 6–14–66, Cl. 83—66.

Simmons, Richard W.: *See*—
Abrahamsen, Albert A., and Simmons. 3,229,404.
Adolphson, Carl, and Simmons. 3,244,505.

Simmons, Richard W., and C. R. Usher, to Feronol Chemicals Ltd. Hydrocarbon fuel additive and hydrocarbon fuel. 3,282,858, 11–1–66, Cl. 252—428.

Simmons, Richard W., A. E. Markham, and E. G. King, to Georgia-Pacific Corp. Control of nematodes. 3,287,209, 11–22–66, Cl. 167—22.

Simmons, Robert A., to The Kendall Co. Covering for a seed or plant bed. 3,252,251, 5–24–66, Cl. 47—29.

Simmons, Vernette W.: *See*—
Simmons, Reid W. 3,255,650.

Simmons, William H., and L. M. Jenkins, to United States of America, National Aeronautics and Space Administration. Indexed keyed connection. 3,287,031, 11–22–66, Cl. 285—27.

Simmons, William R.: *See*—
Bishop, Robert G., and Simmons. 3,284,441.

Simms, Bernard B.: *See*—
Delman, Alvin D., Katzenstein, Ruff, and Simms. 3,267,072.

Simms & Co. Ltd.: *See*—
Mackay, Donald S., and Hallworth. 3,261,449.

Simms, Ellsworth W.: *See*—
Jenn, Louis J., and Simms. 3,255,746.

Simms, Gordon M. Capo or pitch changing device for fifth string of a banjo. 3,227,028, 1–4–66, Cl. 84—318.

Simms, James B., to Bilt Rite Tool & Machine Co. Cutting tool. 3,293,727, 12–27–66, Cl. 29—106.

Simms, John A., to E. I. du Pont de Nemours and Co. Aqueous dispersion of vinyl addition polymer containing aminoester radicals. 3,261,796, 7–19–66, Cl. 260—29.6.

Simms, Leo G. Vehicle tire valve supporting means. 3,280,879, 10–25–66, Cl. 152—427.

Simms Motor Units Ltd.: *See*—
Kennedy, Donald A. MacK. 3,279,706.
Shimwell, Rodney H., and Robinson. 3,260,917.

Simms, Robert A., to Westinghouse Electric Corp. Radiation sensitive device. 3,268,764, 8–23–66, Cl. 315—10.

Simms, Robert A., and A. J. Cornish, to Westinghouse Electric Corp. Storage layer including arsenic, selenium and at least one of zinc, silver, cadmium and mercury. 3,249,782, 5–3–66, Cl. 313—65.

Simms, T. S., & Co. Ltd.: *See*—
Harrison, Richard S. 3,276,063.

Simnad, Massoud T.: *See*—
Trickett, Kenneth A., Simnad, and Malek. 3,291,699.

Simon, Adolf, to Siemens & Halske Aktiengesellschaft. Method of automatically adjusting a broadcast transmitter. 3,271,684, 9–6–66, Cl. 325—175.

Simon, Adolf, to Siemens & Halske Aktiengesellschaft. Means for disconnecting the shunt feedback loop of an amplifier without affecting the amplification. 3,277,387, 10–4–66, Cl. 330—106.

Simon, Albert W., and M. H. Wilt, to United States Steel Corp. Method for preparing esters from aromatic chloromethyl compounds. 3,278,569, 10–11–66, Cl. 260—410.5.

Simon, Arthur, to The Bendix Corp. Photoconductor means for indicator device. 3,242,482, 3–22–66, Cl. 340—378.

Simon, Arthur, to The Bendix Corp. System for monitoring controlled apparatus having flashing indicator means responsive to error signals. 3,267,457, 8–16–66, Cl. 340—331.

Simon, Bernard, to International Business Machines Corp. Ring counter checking circuit. 3,237,158, 2–22–66, Cl. 340—146.1.

Simon-Carves Ltd.: *See*—
Clough, George F. G. 3,241,820.
Clough, George F. G. 3,246,882.
Harverson, Donald B. 3,285,439.
Slater, Colin. 3,237,455.

Simon, Edouard, to Simon, S.A., Etablissements. Men's brief-type undergarment. 3,283,545, 11–8–66, Cl. 66—177.

Simon, Edward J. Dispenser holders. 3,229,844, 1–18–66, Cl. 220—18.

Simon, Edward J. Dispenser holders. 3,285,559, 11–15–66, Cl. 248—313.

Simon, Eli: *See*—
George, Melvin F., Jr., Simon, and Burkart. 3,235,441.
Hamilton, William F., Levine, and Simon. 3,230,033.

Simon, Harry. Lock structure. 3,260,081, 7–12–66, Cl. 70—370.

Simon, Heinz. Pipe clamp. 3,278,146, 10–11–66, Cl. 248—73.

Simon, Henry, Ltd.: *See*—
Maddocks, Keith L. 3,228,557.

Simon, Horst: *See*—
Steissiinger, Kurt, and Simon. 3,276,714.

Simon, Jacques F. H.: *See*—
Dupuy, Odette M. M., Marechal, Renault, Lostis and Simon. 3,232,165.

Simon, Jean C.: *See*—
Ducuing, Jacques, and Simon. 3,285,362.

Simon, Jean-Claude, and E. Spitz, to Compagnie Generale de Telegraphie Sans Fil. Space navigation systems. 3,243,145, 3–29–66, Cl. 244—14.

Simon, Jean-Claude, and V. Biggi, to C.S.F.-Compagnie générale de Telegraphie Sans Fil. Radio transmission relay stations. 3,263,229, 7–26–66, Cl. 343—100.

Simon, John, and J. Gunzinger, to Gunzinger Freres S.A. Fabrique Technos. Water resistant watch case. 3,261,159, 7–19–66, Cl. 58—90.

Simon, John G., to Minnesota Mining and Mfg. Co. Metal plating by successive addition of plating ingredients. 3,268,356, 8–23–66, Cl. 117—109.

Simon, Joseph, to General Precision, Inc. Analog-to-digital encoder. 3,251,054, 5–10–66, Cl. 340—347.

Simon, Joseph W., to Sperry Rand Corp. Broadband multiport circulator having real and reactive component matching structures in the transmission lines. 3,277,399, 10–4–66, Cl. 333—1.1.

Simon, Lewis B. Control device for a ground effect machine. 3,227,234, 1–4–66, Cl. 180—7.

Simon, Marietta. Foundation garment. 3,246,648, 4–19–66, Cl. 128—443.

Simon, Martin H., to Westfalia Separator A.G. Centrifugal desludging separator. 3,255,958, 6–14–66, Cl. 233—20.

Simon, Myron S.: *See*—
Blout, Elkan R., Cohen, and Simon. 3,240,810.
Blout, Elkan R., Green, Rogers, Simon, and Woodward. 3,236,893.
Downey, John F., and Simon. 3,245,790.
Downey, John F., and Simon. 3,246,016.
Green, Milton, Morse, and Simon. 3,235,599.
Husek, Helen P., and Simon. 3,236,645.
Jandrue, Charles E., Simon, and Wolosinski. 3,253,002.

Simon, Myron S., to Polaroid Corp. Photographic processes and products. 3,230,083, 1–18–66, Cl. 96—29.

Simon, Myron S., to Polaroid Corp. 2,3-anthraquinone dicarboximide dye developers. 3,255,206, 6-7-66, Cl. 260—326.

Simon, Myron S., and S. H. Mervis, to Polaroid Corp. Novel photographic products and processes. 3,230,084, 1-18-66, Cl. 96—29.

Simon, Roger: *See*—
Leroy, Pierre, and Simon. 3,259,484.
Leroy, Pierre, and Simon. 3,275,721.

Simon, S.A., Etablissements: *See*—
Simon, Edouard. 3,283,545.

Simon, Sidney. Storage and dispensing unit. 3,239,295, 3-8-66, Cl. 312—40.

Simon, Walter: *See*—
Suessenguth, Hermann, Meier, Corr, and Simon. 3,255,-248.

Simon, Wilhelm. Quantitative analysis of gaseous mixtures. 3,252,759, 5-24-66, Cl. 23—230.

Simon, William, to Massachusetts Institute of Technology. Sample and hold circuit. 3,286,101, 11-15-66, Cl. 307—88.5.

Simon, William M.: *See*—
Estes, Vernon D., and Simon. 3,292,302.

Simonar, Bernard J.: *See*—
Simonar, Lawrence J., B. J. and N. A. 3,261,408.

Simonar, Lawrence J., B. J. and N. A. Stone picker. 3,261,-408, 7-19-66, Cl. 171—63.

Simonar, Norbert A.: *See*—
Simonar, Lawrence J., B. J. and N. A. 3,261,408.

Simonds, David H., and G. C. Mallory, to Sprague Electric Co. Fluid coolable capacitor. 3,243,672, 3-29-66, Cl. 317—243.

Simonds Saw and Steel Co.: *See*—
Kolesh, Victor A., and Lamlein. 3,270,786.
Van Mater, Tourance F., and Campbell. 3,231,433.

Simone, Dominic: *See*—
Herman, Daniel F., Resnick, and Simone. 3,265,644.

Simone, Edward J. Calendar with letter weighing means. 3,281,975, 11-1-66, Cl. 40—120.

Simoneau Enseigne Mobile Ltee: *See*—
Simoneau, Joseph O. 3,234,674.

Simoneau, Joseph O., to Simoneau Enseigne Mobile Ltee. Rotary advertising display. 3,234,674, 2-15-66, Cl. 40—76.

Simonet, Guy, ½ to Commissariat a l'Energie Atomique, and ½ to L'Air Liquide (Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude). Devices for purifying a gas or a gaseous mixture by reversible adsorption. 3,267,645, 8-23-66, Cl. 55—179.

Simonin, Rene, Jr., to Barksdale Valves. Diaphragm type fluid pressure sensitive switch. 3,277,258, 10-4-66, Cl. 200—83.

Simonis, Herbert: *See*—
Akbar, Mohammed A., and Simonis. 3,271,421.

Simoniz Co.: *See*—
Chen, Ming C. 3,249,465.

Simonneau, Robert A., and M. M. Rouzier, to "Société" Mixte pour le Development de la Technique de la Commutation dans le Domaine des Telecommutations styled Socetel. Multi-level printed cards for electronic switching equipment. 3,238,420, 3-1-66, Cl. 317—101.

Simonnin, Pierre: *See*—
Saur, Andre, and Simonnin. 3,255,243.

Simonovic, Dragoljub, to GTV Gesellschaft fur Transport- und Verkehrswesen m.b.H., Firma. Folder for data charts. 3,294,422, 12-27-66, Cl. 281—1.

Simons, Clifford G., to Sta-Rite Products Inc. Self-dumping mobile milking station. 3,279,431, 10-18-66, Cl. 119—14.08.

Simons, Clifford G., to Sta-Rite Products, Inc. Bucket for milking apparatus. 3,289,633, 12-6-66, Cl. 119—14.01.

Simons, Clifford G., to Sta-Rite Products, Inc. Predetermined collapse type milking machine inflation. 3,289,634, 12-6-66, Cl. 119—14.52.

Simons, Hanns. Piling construction method. 3,241,325, 3-22-66, Cl. 61—53.6.

Simons, Harold L., to The Kendall Co. Process and apparatus for producing patterned non-woven fabrics. 3,280,-229, 10-18-66, Cl. 264—10.

Simons, Homer C.: *See*—
Monroe, William A., and Simons. 3,262,534.

Simons, Homer C., and A. S. Gill, Jr., to Eaton Mfg. Co. Electro-magnetic fluid clutch. 3,249,184, 5-3-66, Cl. 192—21.5.

Simons, John C., Jr., to National Research Corp. Diffusion pump cold trap. 3,232,031, 2-1-66, Cl. 55—269.

Simons, Robert M.: *See*—
Coney, Charles H., and Simons. 3,282,716.

Simonsen, Richard C.: *See*—
Macker, John A., and Simonsen. 3,229,073.

Simonson, Anthony J., to Thiokol Chemical Corp. Process for laying terrazzo. 3,246,057, 4-12-66, Cl. 264—35.

Simonson, Marvin R. to General Electric Co. Thrust deflector. 3,258,206, 6-28-66, Cl. 239—265.27.

Simon-Suisse, Jean C., to Societe de Prospection Electrique Schlumberger, S. A. Borehole investigating apparatus having a support member and transducer means enclosed in a compressively stressed sleeve member. 3,249,857, 5-3-66, Cl. 324—6.

Simopoulos, Nicholas T., to Dayton Electronic Products Co., Inc. Rotation monitor protection system for P.P.I. display tube. 3,233,141, 2-1-66, Cl. 315—20.

Simopoulos, Nicholas T., to Dayton Electronic Products Co., Inc. Film projecting system. 3,252,371, 5-24-66, Cl. 88—27.

Simopoulos, Nicholas T., and W. W. Shock, to Dayton Electronic Products Co., Inc. Indexing control system. 3,256,-473, 6-14-66, Cl. 318—33.

Simopoulos, Nicholas T., and J. D. Hoeffel, to Dayton Electronic Products Co. Oscilloscopes. 3,281,861, 10-25-66, Cl. 346—110.

Simor, George G. Tray arrangement for optical application of medication to the teeth. 3,234,942, 2-15-66, Cl. 128—172.1.

Simovich, Tom P., to Champ Corp. Trunnion suspension. 3,243,198, 3-29-66, Cl. 280—112.

Simpkins, Frederick W., to Alden Research Foundation. Electrical signal accentuation. 3,244,059, 4-5-66, Cl. 88—1.

Simpkins, Lyle M. Automatic control device for vehicle lights. 3,237,050, 2-22-66, Cl. 315—82.

Simpkins, Randall A.: *See*—
Hildebrandt, Alvin F., Elleman, Whitmore, and Simpkins. 3,244,943.

Simplex Forms System, Inc.: *See*—
Lovgren, Einar C., and Hoffman. 3,236,490.

Simplex Time Recorder Co.: *See*—
Hobby, Harold E., and Bosserdet. 3,247,319.
Kramer, Roger G., and Waterman. 3,231,878.
Kramer, Roger G., and Waterman. 3,231,879.

Simplex Wire and Cable Co.: *See*—
Crowdes, George J. 3,233,032.
Scolaro, John J. 3,245,139.

Simplicity Engineering Co.: *See*—
Behnke, George W. 3,258,211.

Simplicity Mfg. Co.: *See*—
Huff, Samuel C. 3,242,933.
Kamlukin, Igor. 3,226,853.
Kamlukin, Igor. 3,250,064.

Simplimatic Engineering Co.: *See*—
Englander, Robert A. 3,262,538.
Englander, Robert A., and McVeigh. 3,279,579.
Shuford, Lloyd N., and Messer. 3,273,708.

Simpson, Alex L. Adjustable form device. 3,288,426, 11-29-66, Cl. 249—192.

Simpson, Allan R. Drum practice device. 3,289,520, 12-6-66, Cl. 84—411.

Simpson, Alvin R., to Motorola, Inc. Data conversion systems. 3,229,047, 1-11-66, Cl. 179—100.3.

Simpson, Barclay and W. C., D. F. Lewis, and H. V. Shipley. Load holding devices. 3,241,500, 3-22-66, Cl. 105—369.

Simpson, Bernard L., and A. J. Gibson, to Minister of Aviation in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Telegraphic signal distortion monitor. 3,260,799, 7-12-66, Cl. 178—69.

Simpson, Billy D., to Phillips Petroleum Co. Polyolefins containing bis(hydrocarbyloxycarbonyl-alkylthioalkyl)phenols as stabilizers. 3,227,677, 1-4-66, Cl. 260—45.85.

Simpson, Billy G., to Dow Corning Corp. Fabric of improved solvent ringing properties. 3,294,861, 12-27-66, Cl. 260—827.

Simpson, Bruce H., to Ford Motor Co. Sealed cooling system for an internal combustion engine. 3,238,932, 3-8-66, Cl. 123—41.5.

Simpson, Chester A.: *See*—
Frechette, Leo P., Simpson, and Slabinski. 3,237,747.

Simpson, Dewane B. Combination air distribution and structural support assembly for housing. 3,291,026, 12-13-66, Cl. 98—10.

Simpson, Donald W., to The Dow Chemical Co. Method of foaming and extruding a blend of polymers and foamed article obtained therefrom. 3,231,524, 1-25-66, Cl. 260—2.5.

Simpson, Elizabeth A.: *See*—
Simpson, John A. 3,264,759.

Simpson, Francis: *See*—
Woodcock, George S. and H. E., Simpson, and Clayton. 3,229,483.
Woodcock, George S., H. Woodcock, Simpson, and Clayton. 3,248,901.
Woodcock, Herbert E., and Simpson. 3,262,287.

Simpson, Frank E., to FMC Corp. Stacking mechanism. 3,241,690, 3-22-66, Cl. 214—6.

Simpson, Frank S., to Illinois Stoker Co. Refuse disposal. 3,289,617, 12-6-66, Cl. 110—7.

Simpson, Frank S., to Illinois Stoker Co. Traveling grates for incinerators. 3,289,619, 12-6-66, Cl. 110—40.

Simpson, Fred E.: *See*—
Deffenbaugh, John L., and Simpson. 3,278,244.

Simpson, George H.: *See*—
Ricker, William C., and Simpson. 3,272,944.

Simpson, Harold J., to Gas Getter Co., Inc. Device for transferring liquid. 3,236,268, 2-22-66, Cl. 141—27.

Simpson, Harry E., and M. L. Crow, to Dresser Industries, Inc. Disengageable latch means for dual string packers. 3,229,-997, 1-18-66, Cl. 285—137.

Simpson, Herbert, Corp.: *See*—
Granath, Axel G. 3,253,305.
Kauffman, John H. 3,272,562.
McIlvaine, Robert L. 3,248,761.
Troy, Elbert C. 3,231,146.
Troy, Elbert C. 3,284,059.

Simpson, Howard W., and L. M. Forster. Fluid coupling planetary gear transmission. 3,241,398, 3-22-66, Cl. 74—645.

Simpson, Jack N.: *See*—
Klinger, Guy G., Hoffmaster, Boyer, and Simpson. 3,259,127.

Simpson, Jack N., and C. J. Boyer, to The Electric Storage Battery Co. Faceshield clip-on visor. 3,259,908, 7-12-66, Cl. 2—9.

Simpson, Jack P.: *See*—
Tombari, Aldo L., and Simpson. 3,285,257.

Simpson, James C., to Fairey Engineering Ltd. Ground controlled rocket missiles. 3,266,423, 8-16-66, Cl. 102—89.

Simpson, James R., and N. Roberts, to Rolls-Royce Ltd. Apparatus for controlling the position of a part or parts. 3,266,239, 8-16-66, Cl. 60—35.6.

Simpson, Joe A.: *See*—
Bartram, Robert J., Brown, and Simpson. 3,290,625.

Simpson, John A., to E. A. Simpson. Reading-pacing device. 3,264,759, 8-9-66, Cl. 35—35.

Simpson, Joseph D.: *See*—
Weeks, Philip W., and Simpson. 3,242,592.

Simpson, Justin: *See*—
Brigham, Roger S., and Simpson. 3,232,414.
Henchert, John, and Simpson. 3,251,515.

Simpson, Lance D.: *See*—
Gaska, Remigius A., Goodenough, and Simpson. 3,268,-290.

Simpson, Leo: *See*—
Karp, Jesse R., Simpson, and Roman. 3,237,088.

Simpson Mfg. Co.: *See*—
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Simpson Optical Co.: *See*—
Smith, Warren J. 3,255,664.

Simpson, Paul V., to Philco Corp. Receiver having channel selector-controlled means for reducing sensitivity for channels not to be used. 3,243,710, 3-29-66, Cl. 325—456.

Simpson, Richard W., to V-M Corp. Adapter spindle for record changers. 3,273,895, 9-20-66, Cl. 274—10.

Simpson, Richard W., to V.-M. Corp. Tone arm restrictor for record changers. 3,278,189, 10-11-66, Cl. 274—23.

Simpson, Richard W., to V-M Corp. Muting switch mechanism for automatic record changers. 3,280,272, 10-18-66, Cl. 179—100.4.

Simpson, Robert A.: *See*—
Hayden, George J., and Simpson. 3,292,417.

Simpson, Robert F., to The Monarch Rubber Co. Resilient bushing manufacture. 3,230,000, 1-18-66, Cl. 287—85.

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Simpson Timber Co.: *See*—
Vonhof, Herbert, and Myers. 3,269,624.

Simpson, Victor J. Torque converter with locking means. 3,263,781, 8-2-66, Cl, 192—3.2.

Simpson, Walter C.: *See*—
Simpson, Barclay and W. C., Lewis, and Shipley. 3,241,-500.

Simpson, Walter M., to D. A. Vaughn. Firearm case. 3,268,-130, 8-23-66, Cl. 224—2.

Simpson, Warren C., to Shell Oil Co. Separation process. 3,267,998, 8-23-66, Cl. 166—7.

Simpson, Warren C., and H. J. Sommer, to Shell Oil Co. Mixture of polyepoxide, polythio-mercaptan, and petroleum derived bituminous material. 3,238,165, 3-1-66, Cl. 260—28.

Simpson, William E., to General Motors Corp. Windscreen wiper drive mechanisms. 3,242,767, 3-29-66, Cl. 74—600.

Simpson, William E., to General Motors Corp. Drive mechanisms for motor road vehicle windscreen wiper systems. 3,261,215, 7-19-66, Cl. 74—42.

Simpson, William M. Fabricated non-symmetrical beam. 3,263,387, 8-2-66, Cl. 52—634.

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Simril, Wayne A. Goniometer. 3,270,420, 9-6-66, Cl. 33—75.

Sims, Claude C., to United States of America, Navy. Cavity loaded piston resonator. 3,281,770, 10-25-66, Cl. 340—8.

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Sims, Ernest J., to Frederick Parker Ltd. Rotary vessels. 3,247,601, 4-26-66, Cl. 34—108.

Sims, Glenn E.: *See*—
Lee, Paul L., and Sims. 3,239,502.

Sims, Herbert A.: *See*—
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Sims, Homer J., to Rohm & Haas Co. Chlorinated bicyclooctenes. 3,239,554, 3-8-66, Cl. 260—468.

Sims, Homer J., to Rohm & Haas Co. Cyclic amidines. 3,251,854, 5-17-66, Cl. 260—309.6.

Sims, Homer J., L. N. Bauer, and A. F. Preuss, Jr., to Rohm & Haas Co. Compositions containing aminomethane phosphonate copolymers. 3,268,450, 8-23-66, Cl. 252—49.9.

Sims, Homer J., R. L. Skiles, and H. P. Frohlich, to Rohm & Haas Co. Cyclic amidines for control of bacterial and fungal diseases in plants. 3,278,374, 10-11-66, Cl. 167—33.

Sims, James G., to Monsanto Co. Apparatus for spinning special yarns. 3,234,596, 2-15-66, Cl. 18—8.

Sims, James G., to Monsanto Co. Method for spinning special yarns. 3,264,389, 8-2-66, Cl. 264—131.

Sims, James G., to Monsanto Co. Textile filament having apparent variable denier. 3,272,901, 9-13-66, Cl. 264—177.

Sims, John C., Jr., to Sperry Rand Corp. High speed asynchronous computer. 3,290,511, 12-6-66, Cl. 307—88.

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Sims, Raymond B., to Davy and United Engineering Co. Ltd. Sheet metal. 3,247,029, 4-19-66, Cl. 148—12.

Sims, Raymond B., to Davy and United Engineering Co. Ltd. Heat treatment. 3,276,920, 10-4-66, Cl. 148—14.

Sims, Raymond B., and B. I. Bathory, to Davy and United Engineering Co. Ltd. Pressure regulating valve with balanced spring adjusting means. 3,227,172, 1-4-66, Cl. 137—116.3.

Sims, Raymond B., and J. A. Harrison, to Davy and United Engineering Co. Ltd. Forging presses. 3,267,708, 8-23-66, Cl. 72—6.

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Simshauser, Elvin D., to Radio Corp. of America. Information handling apparatus. 3,249,923, 5-3-66, Cl. 340—172.5.

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Sinclair, Harold K., to E. I. du Pont de Nemours and Co. Preparation of an aqueous polyvinyl alcohol composition. 3,264,245, 8-2-66, Cl. 260—29.6.

Sinclair, Harold K., to E. I. du Pont de Nemours and Co. Process for gelling aqueous polyvinyl alcohol solutions with chromium compounds. 3,265,657, 8-9-66, Cl. 260—29.6.

Sinclair, Henry B., to The Procter & Gamble Co. Higher fatty acid esters of tetrahydroxylated cyclooctadiene and their use in salad oils. 3,241,979, 3-22-66, Cl. 99—163.

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Clough, Thomas J., and Young. 3,252,772.
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Dembinski, Jerzy W. 3,249,647.
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Erickson, Henry, and Ballard. 3,242,101.
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Foster, Robert L. 3,234,145.
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Kilmer, Lauren G. 3,235,027.
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Kirk, James H. 3,238,994.
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Ovist, Elwin B. 3,278,586.
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Perry, John A. 3,287,624.
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Pfefferle, William C. 3,264,207.
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Ryan, Patrick W. 3,240,832.
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Safford, Donald E. 3,263,978.
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Stahly, Eldon E. 3,272,879.
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Sincock, Paul F., to American Metal Climax, Inc. Sliding closure construction. 3,248,822, 5–3–66, Cl. 49—425.
Sindahl, Karl G., and S. Akervall, to Allmanna Svenska Elektriska Aktiebolaget. Air blast circuit breaker. 3,258,570, 6–28–66, Cl. 200—148.
Sinden, Alfred D., to Stephens-Adamson Mfg. Co. Apparatus for handling bulk materials. 3,279,578, 10–18–66, Cl. 198—6.
Sinden, Frank W., to Parker Bros., Inc. Game machine employing multi-state swinging gates. 3,278,187, 10–11–66, Cl. 273—118.
Sinderman, Monte. Tape closer for slide fasteners. 3,287,779, 11–29–66, Cl. 24—205.11.
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Graham, Richard P. 3,294,047.
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Happe, Reynold, and Burris. 3,260,290.
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Mahler, Peter A. 3,273,360.
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Mishcon, Lester, and Agulnek. 3,274,800.
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Off, Joseph W. A. 3,268,222
Parthum, Richard. 3,257,829.
Pickett, Charles G. 3,252,437.
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Sirola, Frank. Boring tool. 3,241,404, 3–22–66, Cl. 77—58.
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Sirola, Frank. Work support for receiving slender stock to be turned. 3,280,674, 10–25–66, Cl. 82—38.
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Sirtl, Erhard, to Siemens & Halske Aktiengesellschaft. Method of producing single crystal silicon. 3,239,372, 3–8–66, Cl. 117—201.
Sirtl, Erhard, to Siemens & Halske Aktiengesellschaft. Method for producing pure semiconductor material by chemical transport reaction using H_2S/H_2 system. 3,290,181, 12–6–66, Cl. 148—1.6.
Sirtl, Erhard, to Siemens & Halske Aktiengesellschaft. Epitaxial method of producing semiconductor members using a support having varyingly doped surface areas. 3,291,657, 12–13–66, Cl. 148—175.
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Siver, Chester A. Valve construction particularly packed or sealed. 3,257,095, 6–21–66, Cl. 251—214.
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Sjoberg, Berndt O. H., and B. A. Ekstrom, to Beecham Group Ltd. α-Azidobenzyl penicillins. 3,293,242, 12–20–66, Cl. 260—239.1.
Sjobohm, Curt H. K., and F. W. Zukowski, to United States Steel Corp. Method of making springs. 3,240,238, 3–15–66, Cl. 140—71.
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Sjogren, Charles N., to Chemet Enterprises. Method and apparatus for dehydrating foam. 3,263,337, 8–2–66, Cl. 34—31.
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Sjogren, Walter O., to Sjogren Tool & Machine Co., Inc. Apparatus for spooling. 3,289,956, 12–6–66, Cl. 242—25.
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Skarstrom, Charles W., to Esso Research and Engineering Co. Processing of gases flowing into and out of an enclosed space. 3,274,751, 9–27–66, Cl. 55—33.
Skarstrom, Charles W., R. P. Crowley, and W. O. Heilman, to Esso Research and Engineering Co. Pressure cycling operation for the manufacture of ammonia. 3,282,647, 11–1–66, Cl. 23—199.
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Mod, Robert R., Skau, Fore, Magne, Novak, Dupuy, Ortego, and Fisher. 3,285,809.
Mod, Robert R., Skau, Fore, Magne, Novak, Dupuy, Ortego, and Fisher. 3,285,812.
Skau, Evald L., R. R. Mod, and F. C. Magne, to United States of America, Agriculture. N-acyl derivatives of cyclic imines. 3,248,396, 4–26–66, Cl. 260—294.7.
Skau, Evald L., R. R. Mod, and F. C. Magne, to United States of America, Agriculture. N-oleoyl-pyrrolidine. 3,270,033, 8–30–66, Cl. 260—326.5.
Skau, Evald L., R. M. Mod, and F. C. Magne, to United States of America, Agriculture. N-oleoyl-N'-carbethoxypiperazine. 3,294,802, 12–27–66, Cl. 260—268.
Skau, Evald L., F. C. Magne, and R. R. Mod, to United States of America, Agriculture. N-acyl derivatives of cyclic imines. 3,294,808, 12–27–66, Cl. 260—294.
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Skeels, Paul C., C. D. Parker, and M. K. Stark, to General Motors Corp. Inspection system. 3,234,655, 2–15–66, Cl. 33—174.
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Skeist, Irving, R. F. Martel, and W. R. Kuebler, to Gillespie-Rogers-Pyatt Co., Inc. Shellac-isocyanate compositions. 3,228,782, 1–11–66, Cl. 106—236.
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Hall, Emery L., and Kocian. 3,270,596.
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Skinner, Clawson N. Physiologic method and apparatus for determining mandibular relations. 3,293,748, 12–27–66, Cl. 32—19.
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Skinner, Dewey F., Jr., T. W. Wolf, and W. Z. Wade, to United States of America, Atomic Energy Commission. Port apparatus for extracting materials from radioactive enclosures. 3,290,502, 12–6–66, Cl. 250—108.
Skinner, Edward J., to The Wednesbury Co. Ltd. Manufacture of pipe jointing sleeves and the like. 3,287,949, 11–29–66, Cl. 72—62.
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Sklar, Samuel. Knock-down door buck construction with adjustable wall clamping means. 3,248,833, 5–3–66, Cl. 52—211.
Sklar, Samuel. Adjustable wall clamping means for door bucks. 3,250,049, 5–10–66, Cl. 52—211.
Sklaroff, Morton, to Honeywell Inc. Electrical apparatus. 3,249,932, 5–3–66, Cl. 340—378.
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Sklaroff, Morton, and G. Revesz, to Robertshaw Controls Co. Photosensitive motion-to-current transducers. 3,254,225, 5–31–66, Cl. 250—231.
Sklorz, Wilhelm, to Franz-Josef Gattys, Firma. Apparatus for the deposit of radioactive contaminated substances. 3,255,896, 6–14–66, Cl. 214—16.
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Smith, Philip N., to Deering Milliken Research Corp. Quantity control of liquids for packaging. 3,282,020, 11–1–66, Cl. 53—180.

Smith, Philip S., to Smith-Dieterich Corp. Method and apparatus for preventing fall-off in light intensity in projected images. 3,232,689, 2–1–66, Cl. 352—41.

Smith, Philip S. Multipanel television system. 3,291,905, 12–13–66, Cl. 178—68.

Smith R. P. M. Corp.: *See*—
Smith, Roy R., Jr. 3,264,984.

Smith, Ralph E., to Cam Corp. Multi-selector unit for an IBM key punch machine. 3,273,792, 9–20–66, Cl. 234—18.

Smith, Ralph E. Accelerator pedal for motor vehicles. 3,287,992, 11–29–66, Cl. 74—562.

Smith, Ralph G. Method and apparatus for bending structural members. 3,268,985, 8–30–66, Cl. 29—155.

Smith, Ralph W., W. A. H. Huffman, and W. T. Dye, Jr., to Monsanto Co. Process for producing polymers of aromatic amino acids. 3,240,758, 3–15–66, Cl. 260—78.

Smith, Randal E., and C. W. Egbom, to Potash Co. of America. Conditioning of granular potash. 3,254,762, 6–7–66, Cl. 209—2.

Smith, Randlow: *See*—
Gross, Howard H., Smith, and Spencer. 3,287,260.

Smith, Randlow, and E. F. Janes, to Texaco Inc. Plural stage hydrogenation of aromatics. 3,254,134, 5–31–66, Cl. 260—667.

Smith, Raymond E.: *See*—
Meserole, Robert H., Slack, Smith, and Verdine. 3,282,011.

Smith, Raymond P., to Ford Motor Co. Window regulator. 3,264,032, 8–2–66, Cl. 49—375.

Smith, Raymond P., to Ford Motor Co. Motor vehicle. 3,275,370, 9–27–66, Cl. 296—63.

Smith, Raymond W. Household appliance rest. 3,261,583, 7–19–66, Cl. 248—117.2.

Smith, Reading B.: *See*—
Dresser, Thorpe, and Smith. 3,266,223.

Smith, Reading B., to Sinclair Research, Inc. Distillation column. 3,262,684, 7–26–66, Cl. 261—114.

Smith, Reading B., and T. Dresser, to Sinclair Research, Inc. Method for purifying meta-xylene. 3,277,200, 10–4–66, Cl. 260—674.

Smith, Richard A., to American Machine & Foundry Co. Method for producing fabric reinforced plastic coated bowling pins. 3,240,646, 3–15–66, Cl. 156—213.

Smith, Richard B. Apparatus for sharpening obliquely beveled tool edges. 3,293,804, 12–27–66, Cl. 51—128.

Smith, Richard D.: *See*—
Callahan, James F., Smith, and Yen. 3,290,658.

Smith, Richard E., to Xerox Corp. Sheet feeding apparatus. 3,288,461, 11–29–66, Cl. 271—35.

Smith, Richard G. Mail box signal. 3,229,903, 1–18–66, Cl. 232—35.

Smith, Richard H.: *See*—
Link, Thomas V., and Smith. 3,290,546.

Smith, Richard J.: *See*—
Bridges, Frank R., and Smith. 3,230,296.

Smith, Richard J., to McGill Mfg. Co., Inc. Drawn shell roller bearing. 3,253,869, 5–31–66, Cl. 308—212.

Smith, Richard J. Fastening device for cabinets. 3,278,208, 10–11–66, Cl. 287—20.92.

Smith, Richard K., to Twin Cities Container Corp. Shipping wrapper for bathtubs. 3,289,825, 12–6–66, Cl. 206—46.

Smith, Richard L.: *See*—
Martin, Robert S. 3,266,674.

Smith, Richard L., Jr.: *See*—
Goodbar, Reid C., and Smith. 3,241,999.

Smith, Richard N.: *See*—
Chen, William, Mintz, and Smith. 3,256,174.

Smith, Richard R.: *See*—
Menapace, Henry R., and Smith. 3,268,617.

Smith, Robbie J., and B. R. Watson. Method and means for sealing wells. 3,289,761, 12–6–66, Cl. 166—27.

Smith, Robert, to General Motors Corp. Refrigerant apparatus. 3,285,504, 11–15–66, Cl. 230—207.

Smith, Robert A.: *See*—
Carroll, Willard D. 3,267,901.

Smith, Robert A. Sighting rib for firearms. 3,230,654, 1–25–66, Cl. 42—76.

Smith, Robert A., and G. G. Whytlaw, to FMC Corp. Method of making electrically heated fabric structures. 3,241,214, 3–22–66, Cl. 28—72.2.

Smith, Robert C.: *See*—
Tewksbury, John M., Hemphill, and Smith. 3,295,070.

Smith, Robert D. Screw. 3,236,141, 2–22–66, Cl. 85—45.

Smith, Robert D. Screw driver with an H-shaped drawing bit. 3,236,275, 2–22–66, Cl. 145—50.

Smith, Robert E.: *See*—
Lanzl, Robert H., and Smith. 3,235,937.

Smith, Robert F.: *See*—
Riesser, Gregor H., and Smith. 3,281,462.

Smith, Robert F., to General Motors Corp. Transmission for a domestic appliance. 3,252,357, 5–24–66, Cl. 74—810.

Smith, Robert F., Jr.: *See*—
Jones, George S., and Smith. 3,286,615.

Smith, Robert H.: *See*—
Kurtz, Leonard D., and Smith. 3,286,713.

Smith, Robert H., to K.C.S., Inc. Support structure for a bathinette. 3,239,846, 3–15–66, Cl. 4—4.

Smith, Robert H., to Chrysler Corp. Vehicle braking system. 3,293,849, 12–27–66, Cl. 60—54.5.

Smith, Robert J.: *See*—
Cook, Bickhaus, and Smith. 3,272,487.
Lutes, Harry L., and Smith. 3,275,124.

Smith, Robert J., to ACF Industries, Inc. Carburetor. 3,249,344, 5–3–66, Cl. 261—39.

Smith, Robert J., to ACF Industries Inc. Carburetor. 3,294,377, 12–27–66, Cl. 261—39.

Smith, Robert J., A. G. Gwin, and W. M. Lowe. Window shade roller with extensible gudgeon pin. 3,279,529, 10–18–66, Cl. 160—323.

Smith, Robert J., and W. P. Herman, to The Plume & Atwood Brass & Copper Corp. Metal strip brushing machine. 3,286,292, 11–22–66, Cl. 15—77.

Smith, Robert J., and O. J. Eickmann, to ACF Industries Inc. Carburetor. 3,294,374, 12–27–66, Cl. 261—23.

Smith, Robert K., and C. S. Popoff, to E. F. Houghton & Co. Reaction products of imides and aluminum triisopropylate. 3,280,144, 10–18–66, Cl. 260—326.

Smith, Robert L., to Chemetron Corp. Heat exchanger and mixer. 3,255,815, 6–14–66, Cl. 165—94.

Smith, Robert L., to Chemetron Corp. Receptacle filling machines. 3,289,712, 12–6–66, Cl. 141—295.

Smith, Robert M.: *See*—
Finkey, Stephen F., Smith, and Brothman. 3,267,388.
Johnson, John R., and Smith. 3,270,710.
Lewis, Edwin S., Venters, and Smith. 3,268,894.

Smith, Robert M., and L. J. Wells, to Owens-Illinois, Inc. Glass aerosol bottles and method for making same. 3,285,802, 11–15–66, Cl. 161—185.

Smith, Robert P.: *See*—
Salerno, Paul G., Smith, Parks, Sime, and Zadoo. 3,237,862.

Smith, Robert P., to Heany Industrial Ceramic Corp. Wire guide for extruding machines. 3,247,547, 4–26–66, Cl. 18—13.

Smith, Robert S.: *See*—
Appel, Frank H., Hauser, and Smith. 3,284,324.

Smith, Robert T., Jr., to Sperry Rand Corp. Fluid shock front sheet material engaging means. 3,263,886, 8–2–66, Cl. 226—95.

Smith, Robert T., Jr., to Sperry Rand Corp. Fluid controlled capstans with brakes. 3,270,932, 9–6–66, Cl. 226—95.

Smith, Robert V., to S. C. Johnson & Son, Inc. Method of preparing 4,4-bis(4-hydroxyaryl) pentanoic acids. 3,248,421, 4–26–66, Cl. 260—520.

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Counts, William E., Smith, and Schwartzwalder. 3,235,655.
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Haen, Eugene P., and Smith. 3,279,436.

Smith, Robert W., to United States Steel Corp. Apparatus for adding solids and oxygen to an open hearth furnace. 3,240,481, 3–15–66, Cl. 266—34.

Smith, Robert W., to Mid-States Steel & Wire Co. Tying machine. 3,251,296, 5–17–66, Cl. 100—26.

Smith, Robert W. Sheath knife scabbard. 3,257,050, 6–21–66, Cl. 224—2.

Smith, Robert W., to General Motors Corp. Domestic appliance. 3,271,844, 9–13–66, Cl. 29—155.63.

Smith, Robin: *See*—
Phillipson, Alan, Spiller, Cheesman, and Smith. 3,271,483.
Phillipson, Alan, Spiller, Smith, and Cheesman. 3,259,027.

Smith, Rolland H., to FMC Corp. Winding drum. 3,270,976, 9–6–66, Cl. 242—78.1.

Smith, Rollin P., to R. N. Corp. Protection of briquetted metallic iron concentrates against corrosion. 3,278,293, 10–11–66, Cl. 75—1.

Smith, Ronald A., and E. G. Richards, to The International Nickel Co., Inc. Nickel-chromium alloys. 3,248,213, 4–26–66, Cl. 75—171.

Smith, Ronald J., ⅓% to J. E. Smith, Sr., and ⅓% to J. E. Smith, Jr. Post supported litter box. 3,235,219, 2–15–66, Cl. 220—18.

Smith, Roy: *See*—
Mansfield, David F. G., Browning, and Smith. 3,263,410.
Mansfield, Davis F. G., Browning, Smith, and Davies. 3,263,408.

Smith, Roy A., to Red Wing Shoe Co., Inc. Safety shoe construction. 3,252,232, 5–24–66, Cl. 36—72.

Smith, Roy E.: *See*—
Nitsche, Joseph E., and Smith. 3,293,019.
Packard, Lyle E., Munn, Smith, and Polic. 3,257,561.
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Wright, John G., and Smith. 3,255,785.
Wright, John G., and Smith. 3,256,965.
Wright, John G., and Smith. 3,257,059.
Wright, John G., and Smith. 3,263,940.

Smith, Roy E., to The Auto-Soler Co. Guard arrangement for shoe finishing apparatus. 3,257,675, 6–28–66, Cl. 12—90.

Smith, Roy E., to Owens-Corning Fiberglas Corp. Method and apparatus for reducing fuzzing and breaking of strands. 3,259,334, 7–5–66, Cl. 242—118.3.

Smith, Roy E., and R. C. Tyler, to The Auto-Soler Co. Adjustable guard arrangement for shoe finishing apparatus. 3,255,477, 6–14–66, Cl. 12—92.

Smith, Roy E., and J. M. Chafin, to The Auto-Soler Co. Apparatus for trimming heel top lifts. 3,263,251, 8–2–66, Cl. 12—85.

Smith, Roy E., and J. P. Klink, to Owens Corning Fiberglas Corp. Apparatus for forming and collecting filaments. 3,292,871, 12–20–66, Cl. 242—18.

Smith, Roy R., Jr., to Smith R.P.M. Corp. Web length control device for rotary printing press. 3,264,984, 8–9–66, Cl. 101—227.

Smith, Rupert W., Jr., to Whitin Machine Works, Inc. Sliver forming apparatus. 3,255,495, 6–14–66, Cl. 19—150.

Smith, Ruslon J.: *See*—
Schneider, Kurt R., and Smith. 3,280,860.

Smith, Russell F., to ACF Industries, Inc. Insertable check valve unit. 3,238,967, 3–8–66, Cl. 137—616.21.

Smith, Russell F., to ACF Industries, Inc. Fuel pump and filter assembly. 3,278,032, 10–11–66, Cl. 210—181.

Smith, Russell F., and W. A. Bradley, to ACF Industries, Inc. Fuel pump. 3,236,383, 2–22–66, Cl. 210—136.

Smith, Russell G.: *See*—
Reed, Charles L., Jr., and Smith. 3,263,697.

Smith, Russell G., to Continental Mfg. Co. Auxiliary, external, pressure seal for shank of plug valve. 3,235,272, 2–15–66, Cl. 277—58.

Smith, Russell G., to Continental Mfg. Co. Auxiliary, external, pressure seal for shank of plug valve. 3,294,408, 12–27–66, Cl. 277—58.

Smith, Russell U.: *See*—
Shirley, William L., and Smith. 3,284,343.

Smith, Russell W., Jr. Airfoil structure. 3,249,327, 5–3–66, Cl. 244—123.

Smith, Russell W., Jr. Bathing enclosure and receptacle. 3,274,620, 9–27–66, Cl. 4—149.

Smith, S., & Sons (England) Ltd.: *See*—
Barlow, Boris V. 3,284,649.
Barlow, Boris V. 3,286,456.
Bishop, Roger I., Kendall, and Palmer. 3,283,573.
Ellis, Goeffrey H., and Haslett. 3,264,603.
Evans, John F. O. 3,259,800.
Pollak, Heinz. 3,258,978.
Pollak, Heinz, and Weston. 3,269,675.
Righton, David W. 3,270,344.
Rush, Derek A. 3,260,117.
Winstone, Ronald F., and Hornby. 3,277,671.

Smith, Samuel: *See*—
Bolstad, Archibald N., Sherman, and Smith. 3,252,932.

Smith, Samuel. Friction clutch brake mechanism. 3,240,301, 3–15–66, Cl. 192—17.

Smith, Samuel. Combination of learning materials and self-scoring tests. 3,242,596, 3–29–66, Cl. 35—48.

Smith, Samuel. Support bracket for motor-clutch assembly. 3,292,757, 12–20–66, Cl. 192—112.

Smith, Samuel C., to Fan-Air Systems, Inc. Low temperature, high humidity method of lumber drying in a kiln. 3,234,659, 2–15–66, Cl. 34—26.

Smith, Samuel E. Convertible see-saw and hut. 3,261,605, 7–19–66, Cl. 272—56.

Smith, Samuel L., to Gar Wood Industries, Inc. Water cooled connecting cable for spot welding machines. 3,244,792, 4–5–66, Cl. 174—19.

Smith, Samuel W., to The Kentucky Research Foundation. Tobacco spearing apparatus. 3,258,137, 6–28–66, Cl. 214—5.5.

Smith, Sheldon R., and O. L. Pflieger, to Anchor Hocking Glass Corp. Air purging mechanism. 3,246,447, 4–19–66, Cl. 53—88.

Smith, Sidney D., and H. O. Herrmann, to Pennsalt Chemicals Corp. High vacuum seal. 3,248,119, 4–26–66, Cl. 277—22.

Smith, Sidney R., Jr., to General Electric Co. Low voltage protective gaps provided with arc running surfaces for circulating arcs. 3,230,411, 1–18–66, Cl. 313—231.

Smith, Sidney R., Jr., to General Electric Co. Open type cutout with V-shaped mounting bracket for a pair of flexible insulating arms having a resilient insulating coating. 3,238,330, 3–1–66, Cl. 200—114.

Smith, Sidney R., Jr., and E. C. Sakshaug, to General Electric Co. Low voltage protective gaps having magnetic means for circulating arcs. 3,230,416, 1–18–66, Cl. 315—36.

Smith, Sidney T. High pressure fuel pumps. 3,233,550, 2–8–66, Cl. 103—38.

Smith, Somers H., Jr. Differential pressure gage. 3,262,317, 7–26–66, Cl. 73—407.

Smith, Stanley. Fish line holder for casting rods. 3,256,633, 6–21–66, Cl. 43—25.

Smith, Stanley A., and W. W. Rasmussen, to Chicago Rawhide Mfg. Co. Bonded seals. 3,241,845, 3–22–66, Cl. 277—182.

Smith, Stephen W., to Sperry Rand Corp. Document sorting. 3,252,570, 5–24–66, Cl. 209—74.

Smith & Stone Ltd.: *See*—
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Kindersley, Charles R. D., and Duffield. 3,260,985.
Kindersley, Charles R. D., Duffield, and Glynn. 3,287,529.
Silenius, Robert T., Binkley, and Baird. 3,285,655.

Smith, Sydney F.: *See*—
Drake, Bernard, and Smith. 3,229,040.

Smith, T. H., & Nephew Ltd.: *See*—
Patchell, Albert G. 3,266,966.

Smith Co., T. L., The: *See*—
Peterson, Norman L., and Allen. 3,286,084.

Smith, Talbot A., deceased; B. H. Smith, administratrix, to Permanent Tank Bottom Co., Inc. Tank repair mechanism. 3,251,461, 5–17–66, Cl. 206—47.

Smith, Telford L., to Smith-Blair, Inc. Pipe clamp lug with band gripping jaws. 3,254,387, 6–7–66, Cl. 24—279.

Smith, Telford L. Flexible band coupling with tapped insert. 3,272,534, 9–13–66, Cl. 285—47.

Smith, Terence M.: *See*—
Thomas, Stanley, and Smith. 3,253,670.

Smith, Theodore D., to Radio Corp. of America. Printed circuit push button switch device with cam follower contact actuating structure. 3,229,053, 1–11–66, Cl. 200—16.

Smith, Theodore H., S. Kramer, and D. M. Danko, to National Rejectors, Inc. Method and apparatus for magnetic currency detectors. 3,245,534, 4–12–66, Cl. 209—111.8.

Smith, Theodore H., S. Kramer, and D. M. Danko, to National Rejectors, Inc. Frequency selective circuits for currency detectors. 3,253,224, 5–24–66, Cl. 328—1.

Smith, Theodore N. Propulsion aid for motor vehicles. 3,275,379, 9–27–66, Cl. 301—41.

Smith, Theodore R., and A. N. Pines, to Union Carbide Corp. Process for producing aminosilicone-containing vinyl halide polymer coating compositions. 3,248,358, 4–26–66, Cl. 260—41.

Smith, Thomas A.: *See*—
Mee, Antony J., and Smith. 3,236,285.

Smith, Thomas R., to The Maytag Co. Control devices for driers. 3,243,891, 4–5–66, Cl. 34—45.

Smith, Thomas R., to The Maytag Co. Extractor apparatus drive control. 3,285,419, 11–15–66, Cl. 210—144.

Smith, Thomas R., to The Maytag Co. Method of using an electrode probe for electronic drier control. 3,287,817, 11–29–66, Cl. 34—31.

Smith, Thomas R., and S. W. Faust, to The Maytag Co. Washing machine unbalance control means. 3,226,959, 1–4–66, Cl. 68—12.

Smith, Tom R., to American Air Filter Co., Inc. Fallout shelter arrangement. 3,242,844, 3–29–66, Cl. 98—29.

Smith, Tom R., to American Air Filter Co., Inc. Paint spray booth apparatus and method. 3,252,401, 5–24–66, Cl. 98—115.

Smith Tool Co.: *See*—
Nilson, William J. 3,268,018.

Smith, Traver J.: *See*—
Daugherty, Ralph K., and Smith. 3,229,170.

Smith, Traver J.; ½ to G. I. Magnuson, and ½ to G. I. and R. Magnuson and L. J. Fox, trustees of the estate of Roy M. Magnuson. Shuffle feed sorter with sliver ejection. 3,273,711, 9–20–66, Cl. 209—98.

Smith, Traver J., ½ to G. I. Magnuson, and ½ to G. I. and R. Magnuson, and L. J. Fox, trustees of the estate of Roy M. Magnuson. Liquid feeding and positioning of fruit and vegetable articles. 3,288,265, 11–29–66, Cl. 198—30.

Smith, Traver J., and R. K. Daugherty, ½ to G. I. Magnuson, and ½ to G. I. and R. Magnuson, and L. J. Fox, as trustees of the estate of Roy M. Magnuson. Shuffle feed end trimmer for vegetables. 3,291,173, 12–13–66, Cl. 146—81.

Smith, Valor C., Jr., and L. J. Chu, said Smith assor. to said Chu. Helical antenna with transversely extending, top-loading straight antenna in series therewith. 3,235,871, 2–15–66, Cl. 343—895.

Smith-Vaniz, William R., to Trak Microwave Corp. Stripline variable capacitance diode phase shifter. 3,246,265, 4–12–66, Cl. 333—31.

Smith, Verity C., to Barnstead Still and Sterilizer Co. Condenser for removing volatile matter from distillate. 3,271,935, 9–13–66, Cl. 55—269.

Smith, Verity C., and R. C. Taft. Combined demineralization and filtration unit. 3,252,578, 5–24–66, Cl. 210—266.

Smith, Vern W.: *See*—
Leichner, Howard J., Fritz, and Smith. 3,244,132.

Smith, Vernon Z., to Borg-Warner Corp. Tape reader with input clipping circuit including photosensitive means. 3,265,900, 8–9–66, Cl. 250—214.

Smith, Vernon Z., to Omnitronics, Inc. Control circuits. 3,293,495, 12–20–66, Cl. 317—11.

Smith, Vincent K.: *See*—
Turk, James R. 3,258,624.
Turk, James R. 3,270,224.
Turk, James R. 3,272,999.
Turk, James R., and Smith. 3,258,246.

Smith, Walter E.: *See*—
Davies, Gail F., and Smith. 3,285,714.

Smith, Walter F.: *See*—
Crowley, Gerald P., and Smith. 3,255,069.

Smith, Walter F., to Imperial Chemical Industries Ltd. Laminated article bonded by a curable polyurethane elastomer and an organic polyisocyanate and process of manufacture. 3,255,068, 6–7–66, Cl. 161—190.

Smith, Walter H. B., deceased, by A. Denhoff, executrix. Knockdown repeating lever action rifle. 3,287,842, 11–29–66, Cl. 42—16.

Smith, Walter J.: *See*—
Bennett, Allan I., Jr., Church, Coleman, O'Hara, Smith, and Stewart. 3,244,486.
Coleman, Jacob J., Fekete, and Smith. 3,233,977.

Smith, Walter J., to Johnson Service Co. Electrical humidity sensing element. 3,295,088, 12–27–66, Cl. 338—35.

Smith, Warner T.: *See*—
Pusey, Brandon B., and Smith. 3,267,201.

Smith, Warren J., to Simpson Optical Co. Objective of the Petzval type with field flattener and three or more positive elements. 3,255,664, 6–14–66, Cl. 88—57.

Smith, Warren W.: *See*—
Chaney, Donald C., and Smith. 3,227,097.

Smith, Warren W., to Shaffer Tool Works. Locking device for a fluid operated rod. 3,242,826, 3–29–66, Cl. 92—24.

Smith, Watt V.: *See*—
Walker, Henry P., Flaherty, Kimball, and Smith. 3,228,597.

Smith, Watt V. Submarine shaft seal and thrust compensator. 3,291,491, 12–13–66, Cl. 277—27.

Smith, Wayburn S. Prefabricated hollow building panel. 3,293,820, 12–27–66, Cl. 52—589.

Smith, Wedad J., to Wrex-All Implements, Inc. Wrecking and loading tool for use with a back hoe. 3,275,172, 9–27–66, Cl. 214—138.

Smith, Werter Pierce, to Minnesota Mining and Mfg. Co. Pressure-sensitive adhesive sheet. 3,232,785, Cl. 117—76.

Smith, Wilburn N.: *See*—
McDonald, Harry S., Malik, Malik, and Smith. 3,262,617.

Smith, Wilfred A. Clamp. 3,249,351, 5–3–66, Cl. 269—236.

Smith, Willard F., to National Distillers and Chemical Corp. Method and apparatus for heat sealing thermoplastic films. 3,243,487, 3–29–66, Cl. 264—248.

Smith, William A. Method and means for measuring degree days. 3,282,105, 11–1–66, Cl. 73—339.

Smith, William A., Jr., to Raytheon Co. Collinear input and output couplers, each using rectangular guide to ridge guide to transmission line conversion, for traveling wave tube. 3,248,601, 4–26–66, Cl. 315—39.3.

Smith, William A., Jr., to Raytheon Co. Traveling wave tube oscillator with tuned circuit means for reflection and transmission of selected frequency signals. 3,253,231, 5–24–66, Cl. 331—82.

Smith, William C., to Rader Pneumatics & Engineering Co., Ltd. Back-wash valve for gas-solid separating apparatus. 3,269,096, 8–30–66, Cl. 55—302.

Smith, William D., to Varian Associates. Vacuum tube with structurally integrated by-pass capacitor. 3,287,597, 11–22–66, Cl 315—71.

Smith, William E. M. Brush making machine. 3,261,644, 7–19–66, Cl. 300—3.

Smith, William F.: *See*—
Yutzy, Henry C., and Smith. 3,276,877.

Smith, William F., Jr. Method of conditioning ink form rolls. 3,257,945, 6–28–66, Cl. 101—426.

Smith, William G., 40% to R. P. Berryman. Safety seat belt. 3,231,307, 1–25–66, Cl. 297—388.

Smith, William H.: *See*—
Haddad, Charles, Risk, and Smith. 3,246,484.

Smith, William H., and D. E. Dailey, to Affiliated Hospital Products, Inc. Means and methods for producing gastric hypothermia. 3,254,652, 6–7–66, Cl. 128—401.

Smith, William H., Jr.: *See*—
Hamner, Robert L., and Smith. 3,264,379.

Smith, William I., to Heywood-Wakefield Co. Seating construction. 3,271,076, 9–6–66, Cl. 297—445.

Smith, William J.: *See*—
Porch, Douglas E. 3,292,131.

Smith, William J., Jr. Means for removing shaft collars. 3,258,837, 7–5–66, Cl. 29—259.

Smith, William M.: *See*—
Dornberger, Georg, and Smith. 3,295,057.

Smith, William R., to McDonough Power Equipment, Inc. Height adjustment mechanism for lawn mowers. 3,269,100, 8–30–66, Cl. 56—25.4.

Smith, William R., and G. R. Monaco, to The A. C. Gilbert Co. Toy vehicles passing on same roadbed by remote control. 3,239,963, 3–15–66, Cl. 46—244.

Smith, William W.: *See*—
Dryden, Hugh L. 3,229,463.

Smith, Willis R., to General Signal Corp. Magnetic logic circuit. 3,264,487, 8–2–66, Cl. 307—88.

Smith, Willis R., to General Signal Corp. Highway crossing systems. 3,270,198, 8–30–66, Cl. 246—126.

Smith, Willis R., to General Signal Corp. Binary counter. 3,278,918, 10–11–66, Cl. 340—174.

Smith, Willis R., to General Signal Corp. Car coupling information storage system. 3,289,173, 11–29–66, Cl. 340—172.5.

Smith, Willis R., to General Signal Corp. Non-destructive read-out circuit. 3,290,663, 12–6–66, Cl. 340—174.

Smith, Willis R., and K. H. Frielinghaus, to General Signal Corp. Sensitive relay operating circuit. 3,231,788, 1–25–66, Cl. 317—151.

Smitha, Paul F.: *See*—
Mellott, Robert N., and Smitha. 3,270,215.

Smithcraft Corp.: *See*—
Fabbri, William C. 3,263,071.
Kruger, Michael H. 3,263,072.
Kruger, Michael H. 3,271,570.

Smithe, F. L., Machine Co., Inc.: *See*—
Hornung, Helmut O. 3,257,885.
Treff, Ernest H. 3,255,979.
Treff, Ernest H. 3,281,142.

Smithers, Bethel E. Toilet paper cabinet. 3,271,090, 9–6–66, Cl. 312—41.

Smithers, John A. Bandage wrap. 3,255.749, 6–14–66, Cl. 128—169.

Smithey, James E., to Monsanto Co. Tow guide and tensioning assembly. 3,253,803, 5–31–66, Cl. 242—153.

Smith-Johannsen, Robert, to S-J Chemical Co. Process for forming porous thermoplastic structures and films. 3,236,-788, 2–22–66, Cl. 260—2.5.

Smithson, Lee K. Composite batt for quilting. 3,242,508, 3–29–66, Cl. 5—334.

Smitley, Marion L.: *See*—
Kittler, Milton J., Sterner, and Smitley. 3,245,667.

Smitley, Marion L., and C. C. Phillips, to Holley Carburetor Co. Auxiliary engine governing system. 3,245,281, 4–12–66, Cl. 74—472.

Smits, Eugene. Method of manufacturing a building material. 3,257,491, 6–21–66, Cl. 264—331.

Smitter, Yvor H. Package. 3,250,383, 5–10–66, Cl. 206—46.

Smitzer, Louis A., to Bell & Howell Co. File card retrieval device. 3,273,566, 9–20–66, Cl. 129—16.1.

Smitzer, Louis A., to Bell & Howell Co. File card retrieval device. 3,273,567, 9–20–66, Cl. 129—16.1.

Smitzer, Louis A., and W. E. Bixby, to Bell & Howell Co. Method and means of dispersing particulate material in a stream of carrier fluid. 3,260,408, 7–12–66, Cl. 222—1.

Smitzer, Louis A., A. J. Gawin, M. C. Gross, A. Balint, and W. E. Bixby, to Bell & Howell Co. Microxerographic reproduction apparatus. 3,283,680, 11–8–66, Cl. 95—1.7.

Smoak, Sevil E., Jr. Hand attached bat with projectile tethered thereto by a strand of adjustable length. 3,229,-979, 1–18–66, Cl. 273—97.

Smock, Alden W., and V. F. Seitzinger, to United States of America, Army. Radiant heat reflective coatings and method for application. 3,284,225, 11–8–66, Cl. 117—35.

Smock, Ellsworth F.: *See*—
Beck, Roland D., Smock, and Houser. 3,286,730.

Smock, George E., W. F. Fulk, R. M. Stream, and H. E. Leaman, to Owens-Corning Fiberglas Corp. Apparatus for delivering multi-filament strands. 3,265,481, 8–9–66, Cl. 65—9.

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Smoker, Benjamin K.: *See*—
Weaver, Richard L., and Smoker. 3,237,788.
Weaver, Richard L., and Smoker. 3,289,862.

Smokowski, Jordan P. Encased float. 3,286,358, 11–22–66, Cl. 33—223.

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Esch, Fred H., Read, Schwerdtfeger, and Smola. 3,258,-225.

Smolen, Sam R.: *See*—
Worden, Donald A., and Smolen. 3,241,812.

Smolens, Harry G., to Pennsalt Chemicals Corp. Aqueous bleaching solution. 3,280,039, 10–18–66, Cl. 252—186.

Smolin, Edwin M., to American Cyanamid Co. Preparation of acrylic acid. 3,268,579, 8–23–66, Cl. 260—533.

Smoll, Allen E., to Stewart-Warner Corp. Transponder-type beacons. 3,241,137, 3–15–66, Cl. 343—6.8.

Smollett, Thomas J., and S. H. Patinkin, to Sinclair Research, Inc. Method and apparatus for testing the low temperature pumpability of hydrocarbon oil. 3,292,424, 12–20–66, Cl. 73—61.

Smolski, Ludwik: *See*—
Bryan, John G., Smolski, and Kippen. 3,246,761.

Smoot, David K. Self-cleaning filter mechanism. 3,277,633, 10–11–66, Cl. 55—302.

Smoot, David K. Powdered material conveyor system. 3,291,-536, 12–13–66, Cl. 302—49.

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Walther, Frank H., Ryan, and Smoot. 3,228,778.
Whittemore, Dwight S., and Smoot. 3,261,698.

Smoot, Thomas W., to Harbison-Walker Refractories Co. Mixture for pelletizing iron ore. 3,258,327, 6–28–66, Cl. 75—3.

Smoot, Thomas W., and J. R. Ryan, to Harbison-Walker Refractories Co. Method of forming refractory mold shapes. 3,235,923, 2–22–66, Cl. 22—193.

Smoot, Thomas W., and M. D. Cook, to Harbison-Walker Refractories Co. Method of in situ fabrication of a monolith refractory lining or the like. 3,290,160, 12–6–66, Cl. 106—38.5.

Smothers, Melvin J., to M.J.S., Inc. Caster and camber correction tool assembly. 3,229,959, 1–18–66, Cl. 254—100.

Smothers, Odis B. Distributor breaker point gauge. 3,284,-908, 11–15–66, Cl. 33—168.

Smotzer, Joseph, Jr. Paper clip applicator. 3,235,950, 2–22–66, Cl. 29—212.

Smoyak, William, and R. Hutchinson. Spring attachment for pivotally connected levers. 3,261,244, 7–19–66, Cl. 81—417.

Smoyer, Loyd L., and J. D. Vail, Jr., to Richardson-Merrell Inc. Method and apparatus for assembling syringes. 3,270,483, 9–6–66, Cl. 53—43.

Smrekar, Larry F. Collet-actuating mechanism. 3,228,706, 1–11–66, Cl. 279—1.

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Bobo, Melvin, Smuland, and Martin. 3,262,677.

Smuland, Robert J., to General Electric Co. Turbomachine sealing means. 3,262,635, 7–26–66, Cl. 230—116.

Smuland, Robert J., to United States of America, Air Force. Turbine vane adapted for high temperature operation. 3,271,004, 9–6–66, Cl. 253—39.1.

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Forster, Donald C., Johnson, and Smullin. 3,231,825.

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Sundberg, Rudolph G., Trussell, and Smutney. 3,277,161.

Smutny, Edgar J., to Shell Oil Co. Octatriene production. 3,267,169, 8–16–66, Cl. 260—682.

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Smyers, William H., Jr., to Koehler-Dayton, Inc. Refrigeration system including pressure actuated valve. 3,281,075, 10–25–66, Cl. 236—99.

Smyers, William H., H. Clark, G. J. Linden and O. C. Slotterbeck, deceased (by L. G. Slotterbeck, executrix), to Esso Research and Engineering Co. Impregnated reinforcing element bonded to an oxide coating on a copper foil. 3,240,-662, 3–15–66, Cl. 161—225.

Smyers, William H., and E. H. Manny, to Esso Research and Engineering Co. Recovery of sulfur from blast furnace slag. 3,249,402, 5–3–66, Cl. 23—224.

Smyly, James P.: *See*—
Moore, Charles W., Brandon, and Smyly. 3,284,144.

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Smyser, Bert A. Suspended aerial rail, rapid transit system. 3,244,113, 4–5–66, Cl. 104—112.

Smyser, James A. Spring compressor for a shock absorber. 3,278,157, 10–11–66, Cl. 254—10.5.

Smyth, Donald, and R. H. Morriss, to S.A. Brush Co. Ltd. Squeeze mop. 3,289,233, 12–6–66, Cl. 15—116.

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Depetris, Lorenzo. 3,268,929.
Taylor, Harry W. 3,237,223.

Smyth, George F., to Long-Lok Corp. Method of fabricating a self-locking screw-threaded fastener. 3,277,504, 10–11–66, Cl. 10—10.

Smyth, Henry L. R., D. M. Makow, and S. K. Keays, to National Research Council. Ultrasonic underwater sound generator. 3,249,913. 5–3–66, Cl. 340—10.

Smyth, James W.: *See*—
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Hall, Perry B., and Smyth. 3,292,717.

Smyth Mfg. Co., The: *See*—
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Smyth, Richard K., to North American Aviation, Inc. Self-adaptive control apparatus. 3,287,615, 11–22–66, Cl. 318—28.

Smyth, Richard K., and D. G. Byles, to North American Aviation, Inc. Self-adaptive control system eliminating variable unwanted component. 3,241,077, 3–15–66, Cl. 328—165.

Smyth, Richard T.: *See*—
Jaques, Thomas A. J., Sturge, and Smyth. 3,290,723.

Smyth, Robert W.: *See*—
Jeffries, Thomas O., Long, and Smyth. 3,251,746.

Symth, Samuel J.: *See*—
Bouquet, Francis L., Jr., and Smyth. 3,258,911.
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Smythe, Bruce M., and C. J. Moye, to The Colonial Sugar Refining Co. Ltd. Process of reacting sugars with reagents wherein the sugar is dissolved in monohydric alcohols containing grouping —O—C—C—OH. 3,290,263, 12–6–66, Cl. 260—14.2.

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Pelavin, Milton H., and Smythe. 3,287,733.
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Snaper, Alvin A. Ultrasonic spray apparatus. 3,243,122, 3–29–66, Cl. 239—102.

Snaper, Alvin A. Apparatus for separating a fluid mixture by acoustic energy. 3,266,631, 8–16–66, Cl. 210—542.

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Snavely, Thomas J., to Hesston Mfg. Co., Inc. Traction drive and steering mechanism for vehicles. 3,255,834, 6–14–66, Cl. 180—6.66.

Snead, Clyde A. One piece flashing strip and ground. 3,242,-622, 3–29–66, Cl. 52—94.

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Sneary, Loy D., to Phillips Petroleum Co. Ethylene-propylene copolymer rubber-fabric laminates and method of making same. 3,264,168, 8–2–66, Cl. 161—227.

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Snedeker, Robert H., to Union Carbide Corp. Weathering resistant thermoplastic polyhydroxyether. 3,269,979, 8–30–66, Cl. 260—45.85.

Snediker, Robert R., to Chicago Show Printing Co. Window vent display support flag. 3,239,957, 3–15–66, Cl. 40—129.

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Snell, James H., Jr., to H. K. Porter Co., Inc. Lightning arrester separator. 3,239,631, 3–8–66, Cl. 200—115.

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Snell, William W., Jr., to Bell Telephone Laboratories, Inc. Ignition and current control system for gas discharge devices. 3,278,800, 10–11–66, Cl. 315—209.

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Sneller, William R. Load suspension from cable. 3,257,965, 6–28–66, Cl. 104—173.

Snelling, Charles D. Klystron cooling system assembly. 3,226,941. 1–4–66, Cl. 62—217.

Snelling, Charles D. Self-sustaining temperature-control package. 3,273,634, 9–20–66, Cl. 165—1.

Snelling, Charles D. Electric baseboard heat storage means. 3,283,125, 11–1–66, Cl. 219—365.

Snelling, Charles D. Electric baseboard heat storage unit. 3,293,409, 12–20–66, Cl. 219—378.

Snelling, Christopher, R. W. Gundlach, G. R. Mott, and W. D. Hope, to Xerox Corp. Xerographic plate and method. 3,288,602, 11–29–66, Cl. 96—1.

Snelson, Howard J., to Amoa-Thompson Corp. Oven construction for molten salt shower heating. 3,287,005, 11–22–66, Cl. 263—40.

Snelson, Kenneth D. Model for atomic forms. 3,276,148, 10–4–66, Cl. 35—18.

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Snipe, Arthur, to Mining Supplies Ltd. Mounting boxes and picks for coal-cutting machines. 3,268,260, 8–23–66, Cl. 299—91.

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Curry, Robert S., Jr., Gold, Snodgrass, and Westerback. 3,237,194.

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Snow, Elza. Means for supporting and lifting a trash container or the like for tilting movement. 3,294,266, 12–27–66, Cl. 214—314.

Snow, Henry J.: *See*—
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Snow, Karl S., to Titanium Metals Corp. of America. Arc melting metals. 3,239,592, 3–8–66, Cl. 13—9.

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Snow, Robert B. Socket wrench for football shoe cleats having loosely mounted gripping plates. 3,238,823, 3–8–66, Cl. 81—179.

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Snyder, Alton G., to The National Cash Register Co. Quick removable type carrier for business machines. 3,263,792, 8–2–66, Cl. 197—36.

Snyder, Benjamin L. Billfold. 3,266,544, 8–16–66, Cl. 150—38.

Snyder, Benjamin L., to Pentapco, Inc. Attachments for spools of thread. 3,283,976, 11–8–66, Cl. 225—64.

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Snyder, Clyde A., to The Wheelabrator Corp. Apparatus for dust collection. 3,256,679, 6–21–66, Cl. 55—293.

Snyder, Donald H. Paint brush keeper. 3,275,129, 9–27–66, Cl. 206—15.1.

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Snyder, John Y. 3,292,312.

Snyder, Floyd M.: *See*—
Coup, Paul W. 3,231,304.
Coup, Paul W. 3,285,652.

Snyder, Francis H., to Tredco, Ltd. Method and apparatus for processing anisotropic solid substances. 3,257,080, 6–21–66, Cl. 241—5.

Snyder, Francis H., to Tredco, Ltd. Ceramic product and process. 3,287,476, 11–22–66, Cl. 264—36.

Snyder, Francis T., and R. O. De Weese, to Union Carbide Corp. Separation device. 3,235,076, 2–15–66, Cl. 209—114.

Snyder, Gerald J. Drain valve for removing settling material. 3,290,000, 12–6–66, Cl. 251—144.

Snyder, Gerald L.: *See*—
Rice, Paul P., and Snyder. 3,232,524.

Snyder, Gerson, to Snyder Mfg. Co. Foldable golf cart. 3,265,402, 8–9–66, Cl. 280—41.

Snyder, Gerson, to Snyder Mfg. Co. Swivel connector for lamps and the like. 3,278,203, 10–11–66, Cl. 285—160.

Snyder, Gilbert R., to United States of America, Army. Deferred action dry cell. 3,228,801, 1–11–66, Cl. 136—113.

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Snyder, Harry R., Jr., to The Norwich Pharmacal Co. 1-isopropyl-3-phenyl-5-aminopyrazole. 3,293,261, 12–20–66, Cl. 260—310.

Snyder, Herbert J., C. D. Obrecht, and H. A. Fulton, to Mansfield Sanitary, Inc. Flush valve assembly. 3,267,491, 8–23–66, Cl. 4—58.

Snyder, Howard E.: *See*—
Gillette, Roger B., Snyder, and Tallent. 3,232,795.

Snyder, Howard E., to The Boeing Co. Self-aligning cable seal. 3,240,502, 3–15–66, Cl. 277—100.

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Snyder, Jack A., to E. I. du Pont de Nemours and Co. Process for the isolation of N,O-dimethylhydroxylamine. 3,230,260, 1–18–66, Cl. 260—583.

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Atkinson, Ward J., and Snyder. 3,276,347.

Snyder, John A., and H. C. Vakos, to Union Carbide Corp. High shear strength blends of high and low density polyethylene. 3,231,636, 1–25–66, Cl. 260—897.

Snyder, John C., to Hercules Powder Co. Preparation of triisobutylaluminum. 3,259,644, 7–5–66, Cl. 260—448.

Snyder, John Y., assor. of 5% each to J. H. Drury, B. M. Casimir, and Rapier, Barre & Rapier, 1¼% each to L. C. Lohman and Mrs. L. C. Lohman, 5% to J. Pollto, 10½% to M. P. Snyder, and 8% each to P. S. Lancelotta, E. A., S. J. and M. J. Snyder. Method of abrading a workpiece. 3,293,312, 12–20–66, Cl. 51—281.

Snyder, Joseph Q.: *See*—
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Snyder, Kenneth E., to General Motors Corp. Torque boosted brake. 3,273,674, 9–20–66, Cl. 188—72.

Snyder, Kenneth E. to General Motors Corp. Device for controlling rate of engagement of hydraulic clutch. 3,282,385, 11–1–66, Cl. 192—85.

Snyder, Kenneth E., to General Motors Corp. Rotating governor seal ring. 3,282,593, 11–1–66, Cl. 277—12.

Snyder, Lee S., to Stamplicator, Inc. Stamp cut-off and affixing device for stamping machine. 3,238,083, 3–1–66, Cl. 156—522.

Snyder, Linden E.: *See*—
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Snyder, Gerson. 3,265,402.
Snyder, Gerson. 3,278,203.

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Snyder, Mary J.: *See*—
Snyder, John Y. 3,292,312.

Snyder, Melvin E., to Camp and McInnes, Inc. Compressive hose and method of making same. 3,290,904, 12–13–66, Cl. 66—200.

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Snyder, Orville E: *See*—
Moore, Donald L., and Snyder. 3,266,860.
Moore, Donald L., and Snyder. 3,275,375.

Snyder, Paul V., to General Electric Co. Electric toaster heating unit. 3,283,128, 11–1–66, Cl. 219—532.

Snyder, Paul V., to General Electric Co. Control mechanism for an electric cooking appliance. 3,291,968, 12–13–66, Cl. 219—489.

Snyder, Ralph W., to United States of America, Navy. Horizontal situation display for radar scope interpretation trainer. 3,229,017, 1–11–66, Cl. 35—10.4.

Snyder, Ralph W., to United States of America, Navy. Computing gyro simulator. 3,261,970, 7–19–66, Cl. 235—184.

Snyder, Richard A.: *See*—
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Snyder, Richard L., to Hughes Aircraft Co. Magnetic shift register. 3,241,126, 3–15–66, Cl. 340—174.

Snyder, Richard L., to Hughes Aircraft Co. Magnetic domain shifting memory. 3,241,127, 3–15–66, Cl. 340—174.

Snyder, Richard L., to Hughes Aircraft Co. Multichannel shift register system. 3,248,716, 4–26–66, Cl. 340—174.

Snyder, Richard L., to Hughes Aircraft Co. Word organized magnetic memory selection and driving system. 3,278,911, 10–11–66, Cl. 340—174.

Snyder, Richard L., to Hughes Aircraft Co. Word organized high speed magnetic memory system. 3,287,710, 11–22–66, Cl. 340—174.

Snyder, Richard L., to Hughes Aircraft Co. Shift register storage and driving system. 3,295,114, 12–27–66, Cl. 340—174.

Snyder, Richard L., to Hughes Aircraft Co. Thin magnetic film memory system. 3,295,115, 12–27–66, Cl. 340—174.

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Snyder, Roger F., to United States of America, Navy. Underwater release mechanism. 3,228,332, 1–11–66, Cl. 102—13.

Snyder, Ronald F.: *See*—
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Snyder, Sargent P.: *See*—
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Snyder, Theodore: *See*—
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Snyder, Walter C., to The Dow Chemical Co. Multisperse acrylic latexes. 3,248,356, 4–26–66, Cl. 260—29.6.

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Sobczak, Alexander. Service tray for use in automobiles and the like. 3,291,353, 12–13–66, Cl. 224—42.42.

Sobeck, Thomas J. Frosting cap. 3,249,113, 5–3–66, Cl. 132—9.

Sobek, Dale W., to Polytron Co. Method for raising submerged objects. 3,269,342, 8–30–66, Cl. 114—50.

Sobel, Gerhard: *See*—
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Sobel, Ilyitch J., to Sonotone Corp. Battery charging systems. 3,230,439, 1–18–66, Cl. 320—51.

Sobel, Sol: *See*—
Maxwell, Theodore B., and Sobel. 3,290,745.

Sobey, Albert J.: *See*—
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Scribner, Richard M., and Soboczenski. 3,265,564.

Soboczenski, Edward J., to E. I. du Pont de Nemours and Co. Control of undesirable vegetation. 3,235,358, 2–15–66, Cl. 71—2.5.

Soboczenski, Edward J., to E. I. du Pont de Nemours and Co. Control of undesirable vegetation. 3,235,360, 2–15–66, Cl. 71—2.5.

Sobol, Harold, and E. S. Schlig, to International Business Machines Corp. Superconductive oscillator circuits. 3,253,232, 5–24–66, Cl. 331—107.

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Sobotka, Walter, to CSF-Compagnie Generale de Telegraphie Sans Fil. Wave retarding structure. 3,230,485, 1–18–66, Cl. 333—31.

Sobotka, Walter. Electronically tunable magnetron-type microwave generator. 3,273,074, 9–13–66, Cl. 331—50.

Sobotta, Kurt, and R. Luce, to International Standard Electric Corp. Arrangement for preventing alternative signalling conditions, especially in road traffic light signalling systems. 3,241,113, 3–15–66, Cl. 340—78.

Sobotta, Reinhard, to Rollei-Werke Franke & Heidecke. Photographic slide projector. 3,292,288, 12–20–66, Cl. 40—78.

Sobran, Michael J., to Olin Mathieson Chemical Corp. Checkered gun stock. 3,229,401, 1–18–66, Cl. 42—71.

Sobran, Michael J., to Olin Mathieson Chemical Corp. Gun stock checkering. 3,282,201, 11–1–66, Cl. 101—9.

Soc. Edison-Settore Chimico: *See*—
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Soc. per Azioni Fratelli Borletti: *See*—
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Söchting, Herbert, and G. Hitschmann, to Hoerbiger Ventilwerke Aktiengesellschaft. Atomizer. 3,266,597, 8–16–66, Cl. 184—56.

Societa Applicazioni Gomma Antivibranti "SAGA" S.p.A.: *See*—
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Societa Elettrica Ed Elettrochimica Del Caffaro S.p.A.: *See*—
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Societa Farmaceutici Italia: *See*—
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Societa Finanziaria Siderurgica "Finsider" per Azioni Istituto Siderurgica: *See*—
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Societa Internazionale Fonovisione S.p.A.: *See*—
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Società Italiana Resine S.p.A.: *See*—
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Società Italiana Telecomunicazioni Siemens S.p.A.: *See*—
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Societa per Azioni Ferrania: *See*—
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Societa per l'Esercizio dell'Istiuto Sperimentale dei Metalli Leggeri: *See*—
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Societa Prodotti Antibiotici: *See*—
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Societe a R. L. S. T. Dupont: *See*—
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Société á Responsabilité Limitée Etablissements Brisson-Faille-Marchand: *See*—
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Societe a Responsabilite Limitee Recherches Etudes Production R.E.P.: *See*—
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Societe Agroligique Francaise: *See*—
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Societe Alsacienne de Constructions Mecaniques: *See*—
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Societe Anglo-Belge Vulcain Societe Anonyme: *See*—
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Dodd, John A. 3,276,967.
Maldague, Pierre E. J. M. 3,255,087.
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Societe Anonyme Ancienne Maison Turquetil: *See*—
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Societe Anonyme Andre Citroen: *See*—
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Societe Anonyme Ateliers de Construction Lavalette: *See*—
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Societe Anonyme, C. Jacobsen, & Cie: *See*—
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Societe Anonyme D.B.A.: *See*—
Elberg, Max, and Gancel. 3,265,160.
Gancel, Pierre. 3,255,847.
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Societe Anonyme de la Fabrique d'Horlogerie Le Coultre et Cie: *See*—
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Societe Anonyme de Machines Electrostatiques: *See*—
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Societe Anonyme de Recherches de Mecanique Appliquee: *See*—
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Societe Anonyme de Telecommunications: *See*—
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Societe Anonyme des Anciens Etablissements Albaret: *See*—
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Societe Anonyme des Etablissements Neu: *See*—
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Societe Anonyme des Laboratoires Robert et Carriere: *See*—
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Societe Anonyme dite: Biofarma: *See*—
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Societe Anonyme dite: C.R.E.F. (Centre de Recherches Industrielles et de Fabrications): *See*—
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Societe Anonyme dite: Compagnie des Freins et Signaux Westinghouse: *See*—
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Societe Anonyme dite: Etablissements Ehl-Latic: *See*—
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Societe Anonyme dite: Forges et Ateliers de Constructions Electriques de Jeumont: *See*—
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Societe Anonyme dite: Laboratoire Roger Bellon: *See*—
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Societe Anonyme dite; L'Oreal: *See*—
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Zviak, Charles, and Rouet. 3,271,258.

Societe Anonyme dite: Pneumatiques Caoutchouc Manufacture et Plastiques Kleber Colombes: *See*—
Hamel, Denis. 3,288,500.
Landler, Yvan, and Lebel. 3,267,051.
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Societe Anonyme dite; Ratier Figeac: *See*—
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Societe Anonyme dite: Societe Anonyme des Anciens Etablissements J. M. Paillard: *See*—
Moreau, Rene P., Charpentier, Ricart, and Boutevin. 3,273,700.

Societe Anonyme dite: Societe Anonyme des Ateliers & Chantiers de la Seine: *See*—
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Societe Anonyme dite: Societe d'Explosifs et de Produits Chemiques: *See*—
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Societe Anonyme dite: Societe Generale de Traction et d'Exploitations: *See*—
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Societe Anonyme: Entreprise Bourdin & Chausse: *See*—
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Societe Anonyme Etablissements de Bondurve: *See*—
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Societe Belge de l'Azote et des Produits Chimiques du Marly: *See*—
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Lefebvre, Andre G. F., Englebert, and Geukenne. 3,288,790.
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Societe Civile de Recherches et d'Applications Scientifiques: *See*—
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Societe Civile d'Etude de Procedes de Scellement: *See*—
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Societe Crouset S.a.r.L.: *See*—
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Societe d'Appareils de Controle et d'Equipment des Moteurs S.A.C.E.M.: *See*—
Mennesson, Bernard R. 3,275,339.
Societe d'Applications Chimiques, d'Etudes & de Recherches "S.A.C.E.R.": *See*—
Montandraud, Jean. 3,284,304.
Societe d'Applications des Machines Motrices, Societe Anonyme dite: *See*—
Bricout, Henri. 3,286,793.
Chabrier, Henri P., and Saint Joanis. 3,291,153.
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Societe de Recherches et d'Exploitation d'Inventions Guillotin: *See*—
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Societe de Traitements Electrolytiques et Electrothermiques: *See*—
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Raymond, Francois H. 3,281,792.
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Societe Derefa, Etablissement pour le Developpement, Recherches et Fabrications Industrielles: *See*—
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Societe des Accumulateurs Fixes et de Traction (Societe Anonyme): *See*—
Ackermann, Karl, and Herold. 3,281,272.
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Herold, Charles V. 3,230,113.
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Societe des Ateliers Rene Halfiermeyer Arena, Societe Anonyme dite: *See*—
Drach, Egon. 3,237,065.
Societe des Electrodes et Refractaires "Savoie": *See*—
Hoynant, Georges. 3,246,999.
Societe des Etablissements Andouart: *See*—
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Societe des Forges et Ateliers du Creusot: *See*—
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Societe des Lunetiers Cottet, Poichet, Tagnon & Cie: *See*—
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Societe des Poudres Metalliques et des Alliages Speciaux Ugine-Carbone: *See*—
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Societe des Sucreries et de Distillerie d'Egypte: *See*—
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Societe des Usines Chimiques Rhone-Poulenc: *See*—
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Societe des Verreries Industrielles Reunies de Loing: *See*—
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Societe d'Etude du Transport et de la Valorisation des gaz Naturels du Sahara S.E.G.A.N.S.: *See*—
Roche, Yves M. B., and Perret. 3,254,496.
Societe d'Etude et d'Application des Techniques Nouvelles Neo-Tec: *See*—
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Societe d'Etude et de Construction de Machine pour Toutes Industries (Secoma): *See*—
Chappuis, Louis. 3,246,705.
Chappuis, Louis. 3,288,229.
Societe d'Etudes Chimiques pour l'Industries et l'Agriculture S.E.C.P.I.A.: *See*—
Mevel, Norbert. 3,252,902.
Mevel, Norbert. 3,274,105.
Societe d'Etudes de Machine Speciales: *See*—
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Chambon, Louis J. 3,283,712.
Societe d'Etudes de Recherches et d'Applications Pour l'Industrie S.E.R.A.I.: *See*—
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Soderquist, Frederick J., J. L. Amos, and H. D. Boyce, to The Dow Chemical Co. Preparation of vinyl aromatic compounds. 3,259,666, 7–5–66, Cl. 260—669.

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Soffer, Louis M., to United States of America, Army. Method for the catalytic reduction of b-cyanoethyl cellulose to an aminopropyl cellulose. 3,236,834, 2–22–66, Cl. 260—232.

Soffer, Louis M., to United States of America, Army. Nitrate ester of polyvinylene glycol. 3,249,631, 5–3–66, Cl. 260—467.

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Sogoian, Kaloust P. Hydraulic door closer. 3,268,945, 8–30–66, Cl. 16—52.

Sogoian, Nash P. Safety device for hydraulic brake systems. 3,237,410. 3–1–66, Cl. 60—54.5.

Sohlemann, Just, to Bolkow Gesellschaft mit beschrankter Haftung. Method for making a combustion chamber. 3,235,947, 2–22–66, Cl. 29—157.

Sohn, John P., and R. E. Little, to Arvin Industries, Inc. Beverage dispenser. 3,291,034, 12–13–66, Cl. 99—291.

Sohn, Robert L., to TRW Inc. Attitude control system and apparatus. 3,239,165, 3–8–66, Cl. 244—1.

Sohn, Robert L., to Thompson Ramo Wooldridge Inc. Attitude stabilization of spacecraft. 3,258,224, 6–28–66, Cl. 244—1.

Söhner, Gerhard: *See*—
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Sohns, Carl B.: *See*—
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Sohns, Julius, to Siemens & Halske Aktiengesellschaft. Switch of the circuit breaker type. 3,240,996, 3–15–66, Cl. 317—11.

Soil Mover Co., Inc., The: *See*—
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Soila, Jouko V., and E. P. Niskanen. Conveyor chain having U-shaped links. 3,268,063, 8–23–66, Cl. 198—189.

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Sokol, Herbert Z., to American Lecithin Co. Method and apparatus for filling aerosol dispensers. 3,232,324, 2–1–66, Cl. 141—3.

Sokol, Leo. Steering knob. 3,285,092, 11–15–66, Cl. 74—557.

Sokoloff, Alexis N., and F. E. Clark, to Mueller Brass Co. Apparatus and method for straightening extruded bar stock. 3,271,985, 1–13–66, Cl. 72—256.

Sokolov, Alexander A.: *See*—
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Sokolov, David A., to Edgerton, Germeshausen & Grier, Inc. Electric discharge circuit. 3,237,052, 2–22–66, Cl. 315—209.

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Sokoris, Albert. Fisherman's chair. 3,230,006, 1–18–66, Cl. 297—193.

Sol, Cornelis, to Machinefabriek Verwachting, N.V. Mechanism in a packaging machine for closing the open ends of a wrapper applied around a box or like article. 3,286,438, 11–22–66, Cl. 53—379.

Sola, Einar, to Fiskeridirektoratets Kjemisk-Tekniske Forskningsinstitutt. Freezing foodstuffs. 3,242,684, 3–29–66, Cl. 62—65.

Sola, Joseph G., to Basic Products Corp. High leakage reactance static constant current regulator. 3,293,537, 12–20–66, Cl. 323—6.

Sola, Samuel L.: *See*—
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Solar Aircraft Co.: *See*—
Feher, Ernest G. 3,232,633.

Solar Projection Screens Ltd.: *See*—
Jackson, James G. 3,263,561.

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Thomson, Charles. 3,268,065.

Solarek, Joe F., to Phillips Petroleum Co. Method and apparatus for catalytic reactions. 3,230,272, 1–18–66, Cl. 260—683.3.

Solari, Joseph, and D. C. Gallear, to Chevron Research Co. Well packer. 3,286,772. 11–22–66, Cl. 166—179.

Solari, Joseph C., and D. C. Gallear, to Chevron Research Co. Method and apparatus for well stimulation. 3,240,273, 3–15–66, Cl. 166—36.

Solari, Joseph C., and D. C. Gallear, to Chevron Research Co. Apparatus for well stimulation. 3,252,519, 5–24–66, Cl. 166—226.

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Solberg, Ernst J.: *See*—
Bowling, Jack L., and Solberg. 3,273,966.

Solberg, Willis O., to General Electric Co. Electrical capacitor aand method of making the same. 3,235,780, 2–15–66, Cl. 317—260.

Soldan, Fritz: *See*—
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Soldatos, Anthony C., and A. S. Burhans, to Union Carbide Corp. Phenolic resins as tackifiers for ethylene-propylene rubbers. 3,256,368, 6–14–66, Cl. 260—848.

Soldatos, Anthony C., to Union Carbide Corp. Non-heat-reactive, higher-alkylphenol resins as rubber tackifiers. 3,294,866, 12–27–66, Cl. 260—845.

Soles, Bruce H. Adjustable bandle for stem operated devices. 3,250,148, 5–10–66, Cl. 74—548.

Solet, Louis, and D. M. Evans, to Ajem Laboratories. Article handling transfer apparatus. 3,282,391, 11–1–66, Cl. 198—19.

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Solgere, Louis G. Electrical ground and polarity tester with thermally controlled switch means. 3,263,164, 7–26–66, Cl. 324—51.

Solheim, Karsten. Gauge and measuring device for golf clubs. 3,293,732, 12–27–66, Cl. 33—174.

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Solisch, Rudolf, and W. Wöltche, to Josef Schneider & Co., Optische Werke. Photographic or cinematographic high-speed teleobjective. 3,236,151, 2–22–66, Cl. 88—57.

Sollanek, Rudolf, to F. B. Hatebur. Device for the control of a machine tool. 3,289,508, 12–6–66, Cl. 83—80.

Sollenberger, Lester D., to Duncan Parking Meter Corp. Token dispensing apparatus for parking meters. 3,272,299, 9–13–66, Cl. 194—2.

Sollenberger, Lester D., and E. C. Arzig, to Duncan Parking Meter Corp. Slug detector for parking meters. 3,262,540, 7–26–66, Cl. 194—72.

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Soloff, Robert S., and S. G. Linsley, to Branson Instruments, Inc. Method of bonding non-thermoplastic parts by sonic energy. 3,284,257, 11–8–66, Cl. 156—73.

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Solomon, Frank, and R. F. Enters, to Yardney International Corp. Electrical accumulator of the silver-zinc alkaline type. 3,264,139, 8–2–66, Cl. 136—30.

Solomon, Frank, and A. Himy, to Yardney International Corp. Electrode assembly. 3,272,653, 9–13–66, Cl. 136—6.

Solomon, Hubert G. Sculling car assembly. 3,281,875, 11–1–66, Cl. 9—26.

Solomon, Jack, to Lincoln Metal Products Corp. Dispenser for sheet material package on rolls. 3,281,032, 10–25–66, Cl. 225—16.

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Solomon, Ralph E., to International Telephone and Telegraph Corp. Dual temperature oven control system. 3,281,074, 10–25–66, Cl. 236—46.

Solomon, Ralph E., to Deutsch Controls Corp. Thermally operated switch. 3,291,390, 12–13–66, Cl. 236—21.

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Russell, Fred J., and Solovieff. 3,287,046.
Russell, Fred J., and Solovieff. 3,287,047.
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Shapiro, Seymour L., Freedman, and Soloway. 3,270,025.

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Soloway, Saul, to Revlon, Inc. Method for coloring human hair with polyhydric aromatic compound, aromatic amine and an oxidation enzyme. 3,251,742, 5–17–66, Cl. 167—88.

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Solski, Frank A., and L. K. Shepard, to Standard Tool & Mfg. Co. Pallet transfer device. 3,237,759, 3–1–66, Cl. 198—211.

Solski, Frank A., and T. Paczas. Drill head and control therefor. 3,244,032, 4–5–66, Cl. 77—32.8.

Solski, Frank A., and L. K. Shepard, to Standard Tool & Mfg. Co. Automatic machining device. 3,271,840, 9–13–66, Cl. 29—33.

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Soltis, Charles W., to Envirco, Inc. Ultraclean enclosure. 3,277,638, 10–11–66, Cl. 55—473.

Soltis, Charles W., to Envirco, Inc. Supporting and sealing means for filters. 3,280,540, 10–25–66, Cl. 55—483.

Soltis, Charles W., to Envirco, Inc. Filter cell and retaining assembly. 3,280,541, 10–25–66, Cl. 55—483.

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Wolfner, William F., Wallace, and Soltis. 3,256,025.

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Solum, James R., to B & W Inc. Flexible turbulence device for well pipe. 3,240,274, 3–15–66, Cl. 166—241.

Solum, James R., to B & W Inc. Method for forming a pipe centering device. 3,270,697, 9–6–66, Cl. 113—116.

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Solum, James R., to B & W Inc. Turbulence generating centralizer. 3,289,768, 12–6–66, Cl. 166—177.

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Soma, Milton E., to Longview Fibre Co. Display package. 3,227,266, 1–4–66, Cl. 206—44.

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Somers, Arthur V., to General Motors Corp. Dry grinding of ceramics. 3,238,049, 3–1–66, Cl. 106—39.

Somers, Arthur V., to General Motors Corp. Dry grinding of ceramics. 3,252,809, 5–24–66, Cl. 106—39.

Somers, Arthur V., to General Motors Corp. Dry grinding of ceramics. 3,252,810, 5–24–66, Cl. 106—39.

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Somers, Raymond A., and R. J. Tolmie, to Sperry Rand Corp. Battery operated electric shaver and charger. 3,283,192, 11–1–66, Cl. 310—269.

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Somlyody, Arpad, to Burroughs Corp. Semiconductor gating circuit for counter employing single signal source and diode matrix for effecting sequencing. 3,272,993, 9–13–66, Cl. 307—88.5.

Sommer, Albert, and K. Schulze, to Straba Handels-Aktiengesellschaft. Method of producing hardened bodies from bituminous mixes. 3,261,892, 7–19–66, Cl. 264—29.

Sommer, Alfred H., to United States of America, Navy. Method for making U-V responsive photoemissive tubes. 3,262,748, 7–26–66, Cl. 316—10.

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Sommer, Erwin, K. Gerlach, and K. Boehme, to Vereinigte Glanzatoff-Fabriken AG. Process for the production of a fibrous polyamide laminar structure. 3,271,237, 9–6–66, Cl. 162—146.

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Sommer, Rolf, H. Muller, P. Czedik-Eysenberg, F. Ganglberger, and G. Jangg, to Wiener Schwachstromwerke Gesellschaft m.b.H. Process for the continuous electrolytic regeneration of spent iron containing sulfate pickling solution. 3,252,879, 5–24–66, Cl. 204—104.

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Sommerfeld, Franz. Apparatus and method for controlling pressure in a plastic extruding machine. 3,283,041, 11–1–66, Cl. 264—40.

Sommerfield, Edward H., to International Business Machines Corp. Floating nonsaturating switch. 3,289,008, 11–29–66, Cl. 307—88.5.

Sommerhoff, Aloys B. Apparatus for illumination of transparencies. 3,246,412, 4–19–66, Cl. 40—106.1.

Sommeria, Marcel R., to Welding Research, Inc. Motor speed control system. 3,237,075, 2–22–66, Cl. 318—327.

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Sommers, Henry S., Jr., to Radio Corp. of America. Oscillator circuit with series connected negative resistance elements for enhanced power output. 3,246,256, 4–12–66, Cl. 331—107.

Sommers, Henry S., Jr., to Radio Corp. of America. Acoustic-electromagnetic device. 3,274,406, 9–20–66, Cl. 310—8.1.

Sommers, Henry S., Jr., to Radio Corp. of America. Bias circuits for high frequency circuits utilizing voltage controlled negative resistance devices. 3,280,339, 10–18–66, Cl. 307—88.5.

Sommers, Norman A. Steam boiler cleaner and method for cleaning steam boilers. 3,294,584, 12–27–66, Cl. 134—22.

Sommese, Julian J., Sr. Hydraulic valve and control means therefor. 3,282,552, 11–1–66, Cl. 251—26.

Somos, Istvan, to General Electric Co. Cross-current turn-off silicon controlled rectifier. 3,261,985, 7–19–66, Cl. 307—88.5.

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Sondheim, Werner, to Permco Corp. Joints for steel forms, facings and the like. 3,242,834, 3–29–66, Cl. 94—31.

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Sones, William L., J. O. Elliott, and G. A. Neyhouse, to General Motors Corp. Dishwasher with speed control means. 3,279,481, 10–18–66, Cl. 134—57.

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Song, June E. Bag closure apparatus. 3,266,711, 8–16–66, Cl. 229—62.

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Sonic Engineering Corp.: *See*—
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Pavey, George M., Jr., and Pearson. 3,283,293.

Sonnabend, David, to Philco Corp. Cryogenic cooling arrangement for space vehicles. 3,253,423, 5–31–66, Cl. 62—239.

Sonnabend, Lawrence F., and G. B. Sterling, to The Dow Chemical Co. Vulcanizable elastomeric composition comprising natural or synthetic rubber, sulfur and an accelerator. 3,236,822, 2–22–66, Cl. 260—79.5.

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Sonnabend, Lawrence F., and J. N. Schramm, to The Dow Chemical Co. Resinous composition comprising a vinyl chloride polymer and a halogenated polyepoxide. 3,288,884, 11–29–66, Cl. 260—837.

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Sonntag, Norman O. V., to National Dairy Products Corp. Manufacture of fatty acid amide compounds. 3,244,734, 4–5–66, Cl. 260—404.

Sonntag, Wallace E., Jr., to Carrier Corp. Thermoelectric panel. 3,240,628, 3–15–66, Cl. 136—4.

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Soredal, Sven G., to Svenska Ackumulator Aktiebolaget Jungner. Method of utilizing hydrocarbon as fuel in fuel cells. 3,288,646, 11–29–66, Cl. 136—86.

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Southworth, Hamilton Jr., and J. C. Stiles, to General Precision Inc. Tuning fork digital accelerometer. 3,269,192, 8–30–66, Cl. 73—517.

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Sowa, Frank J. Method of controlling weeds. 3,287,103, 11–22–66, Cl. 71—2.3.

Sowden, Ronald G., and N. Hodge, to United Kingdom Atomic Energy Authority. Method of producing nuclear fuel monocarbides from higher carbides. 3,272,600, 9–13–66, Cl. 23—344.

Sowell, Lyles H., to E. I. du Pont de Nemours and Co. Textile core with a yarn engaging groove. 3,284,023, 11–8–66, Cl. 242—125.1.

Sower, George W., W. C. Harmon, and R. G. Baker, to Republic Steel Corp. Non-destructive eddy current testing device and method utilizing sensing means movable relative to the excitation means and test piece. 3,234,457, 2–8–66, Cl. 324—40.

Sowerby, Austen E., and J. R. Armstrong, to Marchon Products Ltd. Manufacturing of sulphated and sulphonated products. 3,246,026, 4–12–66, Cl. 260—459.

Sowers, Edwin U., III, to Sperry Rand Corp. Fluid power output device. 3,282,282, 11–1–66, Cl. 137—81.5.

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Sowiak, Milton M., to Radio Corp. of America. Corona generating circuits. 3,237,068, 2–22–66, Cl. 317—262.

Sowiak, Milton M., to Radio Corp. of America. Portable, self-powered, corona charging apparatus. 3,287,614, 11–22–66, Cl. 317—262.

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Sozzi, Vincent M. Slide fastener locking assembly. 3,255,503, 6–14–66, Cl. 24—205.11.

Spaak, Albert, and H. G. Tinger, to W. R. Grace & Co. Cooling apparatus. 3,239,001, 3–8–66, Cl. 165—87.

Spaak, Albert, and C. L. Weir, to W. R. Grace & Co. Method of injection molding solid heavy section. 3,265,797, 8–9–66, Cl. 264—235.

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Spacil, Henry S., to General Electric Co. Method of forming a composite member with a metallic coating. 3,265,521, 8–9–66, Cl. 117—22.

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Spack, Theodore W., to Benjamin Air Rifle Co. Gas charged repeater gun. 3,233,600. 2–8–66. Cl. 124—11.

Spadaro, Giorgio I., to S. L. Friedman. Coin holder. 3,229,809, 1–18–66, Cl. 206—.82.

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Spady, Richard J., to Honeywell Inc. Electrical apparatus. 3,295,126, 12–27–66, Cl. 340—347.

Spaeth, Irvin J., and V. Jautokas, to American Seal-Kap Corp. of Delaware. Door opening structure. 3,255,554, 6–14–66, Cl. 49—449.

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Spain, Raymond G. Rigidizable expandable structures and system. 3,282,533, 11–1–66, Cl. 244—1.

Spakman, Geert, and L. W. M. Schijven, to North American Philips Co., Inc. Decoupling apparatus for a push-button tuner. 3,233,470. 2–8–66. Cl. 74—10.33.

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Spalding, David P., to General Electric Co. Plasticized polyorganosilsesquioxane compositions. 3,288,743, 11–29–66, Cl. 260—30.6.

Spalding, Dudley B., to Power Jets (Research & Development) Ltd. Pressure exchangers. 3,232,520, 2–1–66, Cl. 230—69.

Spalding, Dudley B. Plant for producing a flow of pressurized gas. 3,234,733, 2–15–66, Cl. 60—35.6.

Spalding, Dudley B. Pressure exchanger. 3,234,736, 2–15–66, Cl. 60—39.45.

Spalding, Leo, to H. G. Fischer & Co. High pressure source for viscous liquids, especially those containing suspended abrasive particles. 3,248,020, 4–26–66, Cl. 222—243.

Spalding, Willard P., to Westinghouse Air Brake Co. Conversion brake cylinder. 3,227,053. 1–4–66, Cl. 92—59.

Spalding, Willard P., to Westinghouse Air Brake Co. Tread brake assembly. 3,280,945, 10–25–66, Cl. 188—202.

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Spalten, Robert. Dental apparatus. 3,226,827, 1–4–66, Cl. 32—11.

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Spanel, Abraham N., to International Latex Corp. Reinforced articles. 3,253,598, 5–31–66, Cl. 128—521.

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Spangenberg, Donald N., and W. Grzywacz, to United States of America, Navy. Ballistic computer. 3,230,349, 1–18–66, Cl. 235—61.5.

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Spangler, Elson B., and W. J. Kelly, to General Motors Corp. Displacement measuring means. 3,266,302, 8–16–66, Cl. 73—105.

Spangler, Ray R., and C. E. Stanfield. Booth seat. 3,230,007, 1–18–66, Cl. 297—244.

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Spannhake, Ernst W., and G. J. Gendron, to Raymond International Inc. Hydraulic hammer. 3,283,832, 11–8–66, Cl. 173—126.

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Sparks, Anthony A., to The Distillers Co. Ltd. Plasticising polychloroprene with dialkyl ammonium dialkyl dithiocarbamate and disulfide. 3,235,527, 2–15–66, Cl. 260—29.7.

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Sparks, Everett W. Rough terrain scooter having a plurality of driven wheels. 3,243,006. 3–29–66. Cl. 180—21.

Sparks, George C. Display-dispenser for packets. 3,260,357, 7–12–66, Cl. 206—44.12.

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Sparks, George C. Pill-packet package. 3,288,281, 11–29–66, Cl. 206—56.

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Spivack, John D., and M. Dexter, to Geigy Chemical Corp. Stabilization of organic material with stabilizers containing a substituted phenol group. 3,282,939, 11–1–66, Cl. 260—247.7.

Spivack, John D., D. H. Steinberg, and M. Dexter, to Geigy Chemical Corp. Certain thiazolo-[5,4-d]-thiazole compounds. 3,282,951, 11–1–66. Cl. 260—306.8.

Spivack, John D., D. H. Steinberg, and M. Dexter, to Geigy Chemical Corp. Certain bis-o-alkylhydroxyphenylthiazoles. 3,288,798, 11–29–66, Cl. 260—302.

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Spodig, Heinrich. Magnetic retriever. 3,277,415, 10–4–66, Cl. 335—188.

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Spofford, Thomas G., to Westinghouse Electric Corp. Electric toothbrush storage case. 3,287,076, 11–22–66, Cl. 312—206.

Spohn, Homer R., Jr. Trash and garbage can holder. 3,240,-459, 3–15–66, Cl. 248—146.

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Spohr, Albert R., to Sunbeam Corp. Electric cordless toothbrush. 3,274,631, 9–27–66, Cl. 15—22.

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Spolsino, Peter P., to W. R. Grace & Co. Packaging apparatus. 3,233,387, 2–8–66, Cl. 53—393.

Spong, Theodore W. Instantaneous deceleration signal switch for automotive vehicles. 3,286,056, 11–15–66, Cl. 200—61.89.

Sponga, Imre. Appliance for recording and/or transducing electric and/or acoustic oscillations of various frequencies. 3,277,245, 10–4–66, Cl. 179—100.2.

Sponsel, Kurt. Method of producing non-woven fabric. 3,275,-496, 9–27–66, Cl. 162—101.

Spooncer, William W., to Shell Oil Co. Linear cyclic phosphorus-containing polymers. 3,239,492, 3–8–66, Cl. 260—78.5.

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Spooner, Richard C., to Hupp Corp. Heater. 3,267,928, 8–23–66, Cl. 126—110.

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Sporck, Claus L., to The Lodge & Shipley Co. Metal working. 3,277,688, 10–11–66, Cl. 72—368.

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Sprackln, John C., and G. M. Robinson, to United States of America, Army. Bidirectional self-resetting overload slip clutch. 3,251,200, 5–17–66, Cl. 64—30.

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Sprague, John S. Four-wheel-drive-and-steered vehicle with short wheel base for off-the-road service. 3,282,366, 11–1–66, Cl. 180—45.

Sprague, Robert H., J. A. Stewart, and J. M. Lewis, to Horizons Inc. Compositions containing leuco xanthene dyes and suitable activators. 3,272,635, 9–13–66, Cl. 96—90.

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Sprague, Theodore S., and J. H. Ammon, to Babcock & Wilcox Co. Integral nuclear reactor-steam generator unit. 3,255,-088, 6–7–66, Cl. 176—53.

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Spranger, Alfred F. Safety belt and buckle construction. 3,276,085, 10–4–66, Cl. 24—171.

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Spraul, Joseph R., and D. E. Metheny, to General American Transportation Corp. Simultaneously nickel coating the interior of a metal vessel and the exterior of metal tubes within the vessel. 3,247,013, 4–19–66, Cl. 117—97.

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Springer, Willi, and H. Lamm, to Daimler-Benz Aktiengesellschaft. Rotary-piston engine. 3,229,899, 1–18–66, Cl. 230—145.

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Stamatoff, Gelu S., and N. K. J. Symone, to E. I. du Pont de Nemours and Co. Polyoxamides. 3,247,168, 4–19–66, Cl. 260—78.

Stamatoff, Gelu S., and J. W. Wittmann, to E. I. du Pont de Nemours and Co. Polymers from polyfluoroketones. 3,291,-777, 12–13–66, Cl. 260—47.

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Stanley, Robert H., and D. Howden, to British Titan Products Co. Ltd. Lower valent titanium-aluminum halides. 3,275,569, 9–27–66, Cl. 252—442.
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Stark, Bernard P., to Ciba Ltd. Esters containing more than one oxetane group. 3,278,554, 10–11–66, Cl. 260—333.

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Stark, John, Jr., B. E. Denton, and J. W. McLeod, Jr., to Radio Corp. of America. Enclosure for high voltage apparatus. 3,273,021, 9–31–66, Cl. 317—100.

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Stark, Louis R., and R. E. Hatton, to Monsanto Co. Polyphenyl ether compositions. 3,245,907, 4–12–66, Cl. 252—46.4.

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Stark, Marvin L., and F. G. Lewis, to Peerless Mfg. Division, Dover Corp. Heating and ventilating system. 3,246,643, 4–19–66, Cl. 126—110.

Stark, Marvin M., to Barnes Hind Pharmaceuticals, Inc. Method of detecting carious tissue. 3,279,068, 10–18–66, Cl. 32—1.

Stark, Max, and G. W. Hasenplaugh. Paper binding device. 3,265,073, 8–9–66, Cl. 129—22.

Stark, Norman H., to Walker Mfg. Co. Polyurethane foam product and method of making same. 3,260,618, 7–12–66, Cl. 117—102.

Stark, Pedro P.: *See*—
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Stark, Robert E. Propellers for water craft. 3,275,082, 9–27–66, Cl. 170—160.5.

Stark, Robert E., to Union Carbide Corp. Process for making charged cadmium electrodes. 3,288,643, 11–29–66, Cl. 136—24.

Stark, Sven O. S., to AB Tetra Pak. Method of heat sealing a material of the type having a thermoplastic coating on either side of a carrying layer. 3,293,099, 12–20–66, Cl. 156—289.

Stark, Thomas M., to Esso Research and Engineering Co. Gas separation by adsorption process. 3,252,268, 5–24–66, Cl. 55—25.

Stark, Virgil. Air conditioning device. 3,248,897, 5–3–66, Cl. 62—259.

Stark, Virgil. Devices for protection against radioactive fallout. 3,256,440, 6–14–66, Cl. 250—108.

Stark, William J., and J. S. Hutchinson, to Esso Production Research Co. First-kick relay switching method. 3,243,770, 3–29–66, Cl. 340—15.5.

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Starkie, David, and M. W. Astle-Fletcher, to English Rose Ltd. Method and apparatus for crimping yarn. 3,226,792, 1–4–66, Cl. 28—1.

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Starks, Charles M., and R. D. Eccles, to Continental Oil Co. Alcohol improvement by sequential contacting with silica gel. 3,290,396, 12–6–66, Cl. 260—643.

Starks, Fred W., to The Samuel R. Noble Foundation Inc. 3-cyano-3-(N-piperidino)-propiothioamide. 3,254,091, 5–31–66, Cl. 260—293.4.

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Starp, Franz W. R., to Alfred Gauthier, G.m.b.H. Interlock for camera controls. 3,264,966, 8–9–66, Cl. 95—64.

Starp, Franz W. R., to Alfred Gauthier G.m.b.H. Photographic self-cocking shutter. 3,270,649, 9–6–66, Cl. 95—63.

Starp, Franz W. R., to Alfred Gauthier G.m.b.H. Photographic camera with automatic diaphragm setting in the flash range. 3,273,482, 9–20–66, Cl. 95—64.

Starp, Franz W. R., to Alfred Gauthier, G.m.b.H. Photographic intra-lens shutter with improved pawl arrangement. 3,276,345, 10–4–66, Cl. 95—63.

Starp Franz W. R., to Alfred Gauthier, G.m.b.H. Photographic camera. 3,277,805, 10–11–66, Cl. 95—10.

Starp, Franz W. R., to Alfred Gauthier G.m.b.H. Photographic camera. 3,291,023, 12–13–66, Cl. 95—64.

Starp, Franz W. R., to Alfred Gauthier, G.m.b.H. Photographic camera. 3,292,514, 12–20–66, Cl. 95—10.

Starp, Franz W. R., and W. S. Rackl, to Alfred Gauthier, G.m.b.H. Device for releasing a photographic camera and obtaining extra-long exposure times. 3,279,345, 10–18–66. Cl. 95—53.3.

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Starr, Arthur T., M. O. Pelton, and P. F. T. C. Stillwell, to The Rank Organisation Ltd. Photoelectric apparatus for the measurement of a dimension of a moving body including means for illuminating a stationary area of the photocathode. 3,243,593, 3–29–66, Cl. 250—219.

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Starre, Gerrit, to North American Philips Co., Inc. Reciprocating dry shaver with movable shear plate and additional cutting means. 3,271,854, 9–13–66, Cl. 30—34.1.

Starre, Gerrit, A. Fransen, and H. J. Driessen, to North American Philips Co., Inc. Shaving head shear plate with various depths of apertures therein. 3,281,937, 11–1–66, Cl. 30—43.6.

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Stasse, Roland. Hot-drink dispensing machine. 3,278,087, 10–11–66, Cl. 222—146.

Stasse, Roland. Apparatus for preparing and dispensing beverages from prefabricated cartridges and a liquid. 3,292,527, 12–20–66, Cl. 99—295.

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Staubwasser, Wolfgang, to Interatom Internationale Atomreaktorbau G.m.b.H. Process for coating uranium alloy members. 3,288,636, 11–29–66, Cl. 117—130.

Stauch, John E. Pregnancy test. 3,248,173, 4–26–66, Cl. 23—230.

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Staufert, Helmut. Arrangement for detachably connecting a bobbin holder to a suspension rail, creel, or the like. 3,286,-950, 11–22–66, Cl. 242—130.2.

Stauff, Emile, and R. Fluer, to Nord-Aviation Societe Nationale de Constructions Aeronautiques. Firing turret for teleguided missiles. 3,293,985, 12–27–66, Cl. 89—1.815.

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Mohr, Albert C., Obrecht, Campbell, and Messenger. 3,257,167.
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Stauffer, Norman L., to Honeywell Inc. Automatic focusing photographic projector. 3,249,001, 5–3–66, Cl. 88—24.

Stauffer, Norman L., to Honeywell Inc. Automatic focusing photographic projector. 3,249,006, 5–3–66, Cl. 88—24.

Stauffer, Norman L. Automatic focusing photographic projector. 3,249,007, 5–3–66, Cl. 88—28.

Stauffer, Norman L., to Honeywell Inc. Laser recording apparatus. 3,256,524, 6–14–66, Cl. 346—76.

Stauffer, Norman L., to Honeywell Inc. Electrical apparatus.. 3,276,030, 9–27–66, Cl. 346—29.

Stauffer, Norman L., to Honeywell Inc. Oscillograph with filter means. 3,277,494, 10–4–66, Cl. 346—108.

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Allen, Lloyd R., Rupp, and Stauffer. 3,293,076.
Allen, Lloyd R., and Stauffer. 3,293,008.

Stauffer, Robert A., to National Research Corp. Process for operating plural superconductive coils. 3,256,464, 6–14–66, Cl. 317—9.

Stauffer, Robert A., to National Research Corp. Indirect process for testing hard superconductor layers. 3,283,245, 11–1–66, Cl. 324—64.

Stauffer, Robert E., to Jeffrey Galion Mfg. Co. Extensible boom with tandem operating cylinders. 3,259,251, 7–5–66, Cl. 212—55.

Stauffer, Robert E., to Jeffrey Galion Mfg. Co. Hydraulic system for swinging a crane boom. 3,282,441, 11–1–66, Cl. 212—35.

Stauffer, Robert E., to Jeffrey Galion Mfg. Co. Hydraulic system for operating a crane winch. 3,285,432, 11–15–66, Cl. 212—55.

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Staunt, Martin, to American Hospital Supply Corp. Food operating control unit and system for air driven dental handpieces. 3,242,572, 3–29–66, Cl. 32—27.

Staunt, Martin, to American Hospital Supply Corp. Air driven dental handpieces. 3,255,527, 6–14–66, Cl. 32—27.

Staunt, Martin, to American Hospital Supply Corp. Control unit for air driven dental handpieces. 3,272,229, 9–13–66, Cl. 137—544.

Staunt, Martin, and H. I. Southerwick, to American Hospital Supply Corp. Dental syringes. 3,254,646, 6–7–66, Cl. 128—224.

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Staunton, John J. J., and K. R. Bell, to Coleman Instrument Corp. Continuous filtration. 3,244,287, 4–5–66, Cl. 210—387.

Stauth, Lawrence J. Device for setting selected bowling pins with respotting mechanism. 3,265,390, 8–9–66, Cl. 273—43.

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Stautmeister, Erich, to A. Engelmann. Register transfer device. 3,288,363, 11–29–66, Cl. 235—134.

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Stauverman, Richard J., to Advance Transformer Co. Dimmer control circuit for fluorescent lamp using a controlled rectifier bridge circuit. 3,264,518, 8–2–66, Cl. 315—205.

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Stavenger, Paul L.: *See*—
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Stavenger, Paul L., to Dorr-Oliver Inc. Hydrocyclones. 3,259,246, 7–5–66, Cl. 210—195.

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Staver, Ellsworth, Jr., to Great Lakes Carbon Corp. Paper stock slurry feed apparatus and process. 3,266,974, 8–16–66, Cl. 162—216.

Staver, Robert B. Shaped cake of material with handle attached. 3,262,421, 7–26–66, Cl. 118—76.

Staver, Robert B. Soap-cake and handle therewith. 3,286,-686, 11–22–66, Cl. 118—76.

Staver, Robert B. Soap-article including attached holder. 3,288,104, 11–29–66, Cl. 118—76.

Staver, Robert B. Soap-type article including attached holder. 3,288,105, 11–29–66, Cl. 118—76.

Stavis, Gus, to General Precision, Inc. Apparatus for optically correlating the alignment of a transparency and an object. 3,234,845, 2–15–66, Cl. 88—1.

Stavis, Gus, to General Precision, Inc. Double detector-time correlation rangefinder. 3,266,365, 8–16–66, Cl. 88—1.

Stavis, Gus, to General Precision, Inc. Photosensitive lunar tracker using radial scanning and fiber optics. 3,290,505, 12–6–66, Cl. 250—203.

Stavrolakis, James A., and W. E. Blodgett, to American Radiator & Standard Sanitary Corp. Combustion chamber liner and method for making same. 3,269,857, 8–30–66, Cl. 117—95.

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Hand, Albert M. 3,275,298.

Steadman, Paul E. Heat exchanger having distribution tube internal flow directors. 3,270,807, 9–6–66, Cl. 165—174.

Steadman, Rufus P., to Taylor Machine Works. Apparatus for filling soil. 3,233,686, 2–8–66, Cl. 172—119.

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Stealy, Arthur J. Motor operated spinning reel. 3,248,819, 5–3–66, Cl. 43—21.

Stealy, Edward J. Combination valve and pressure gauge. 3,246,679, 4–19–66, Cl. 152—427.

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O'Link, Maurice H. 3,266,070.

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Stearns, Robert O., and D. J. Weintritt, to National Lead Co. Microbiologically stable, cold water dispensable gelatinized starchy flow and process for the preparation thereof. 3,256,115, 6–14–66, Cl. 127—32.

Stearns, Robert O., and D. J. Weintritt, to National Lead Co. Process of drilling a well with a drilling fluid containing a starch product. 3,294,681, 12–27–66, Cl. 252—8.5.

Stearns, Sanford W., to Continental Laboratories, Inc. Gas detector and analyzer. 3,232,712, 2–1–66, Cl. 23—255.

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Stebbings, Stuart M. Cheese-filter cigaret. 3,234,948, 2–15–66, Cl. 131—10.

Stebbins, Larry O., to Automation Industries, Inc. Ultrasonic inspection transducer assembly. 3,248,933, 5–3–66, Cl. 73—71.5.

Stebbins, Larry O., to Automation Industries, Inc. Apparatus useful in ultrasonic inspection of pipes. 3,272,000, 9–13–66, Cl. 73—71.5.

Stebleton, Leo F., to Dow Corning Corp. Flexible electrical conductor. 3,284,562, 11–8–66, Cl. 174—110.

Stebleton, Leo F., to Dow Corning Corp. Denture priming. 3,288,893, 11–29–66, Cl. 264—17.

Stec, Frederick J., to Continental Can Co., Inc. 'Easy opening container. 3,272,382, 9–13–66, Cl. 220—54.

Stec, Frederick J., to Continental Can Co., Inc. Vented easy-opening container. 3,273,745, 9–20–66, Cl. 220—54.

Stec, Frederick J., to Continental Can Co., Inc. Can end. 3,283,946, 11–8–66, Cl. 220—54.

Stec, Frederick J., to Continental Can Co., Inc. Plastic connector with insert. 3,287,053, 11–22–66, Cl. 292—256.63.

Stec, Frederick J., and J. B. Nicholson, to Continental Can Co., Inc. Rotatable pull-tab to break scored tear-strip. 3,250,425, 5–10–66, Cl. 220—54.

Stechemesser, Ernst, V. Baumann, W. Schaefer, and R. Weber, to Visophone International Establishment. Pick-up and projection mirror system for panoramic photography and panoramic picture projection at horizontal plane angles. 3,240,113, 3–15–66, Cl. 88—24.

Steck, Allen R., to Vindale Corp. Mobile home underframe construction. 3,254,914, 6–7–66, Cl. 296—28.

Steck, Joseph B., and D. H. Slater. Traction device for vehicles. 3,275,091, 9–27–66, Cl. 180—22.

Stecker, Albert F. W., to North American Philips Co., Inc. Pitch spindle for winding. 3,244,200, 4–5–66, Cl. 140—71.5.

Stecker, Earl M.: *See*—
Stoelting, Carl R., and Stecker. 3,272,132.

Stecker, Glenroy: *See*—
Shea, Frederick L., Jr., and Stecker. 3,240,479.
Shea, Frederick L., Jr., and Stecker. 3,246,056.

Stecker, Herbert C. Germicidal compositions containing halogenated anilides of thiophene carboxylic acids. 3,243,342, 3–29–66, Cl. 167—33.

Stecker, Herbert C. Stabilized halosalicylanilide germicides. 3,244,585, 4–5–66, Cl. 167—31.

Stecker, Herbert C. Condensation products of a fluoroacetone and phenols having a bridged phenyl group. 3,281,465, 10–25–66, Cl. 260—559.

Stecker, Herbert C. Anilide-connected salicylanilide condensation products of fluoroacetone. 3,281,466, 10–25–66, Cl. 260—559.

Steckle, Charles, to United States Steel Corp. Plumb-bob suspension. 3,254,418, 6–7–66, Cl. 33—216.

Steckle, Charles, to United States Steel Corp. Door latch with pivoted-cam locking plate. 3,259,413, 7–5–66, Cl. 292—132.

Steckler, Arnold: *See*—
Patterson, William R., and Steckler. 3,237,095.

Steckler, Robert, and S. Altscher, to Nopco Chemical Co. Diphenylmethane-bis-trimellitate anhydrides. 3,239,537, 3–8–66, Cl. 260—346.3.

Stedfeld, Rowland L., to General Motors Corp. Filament wound container having reinforced opening. 3,293,860, 12–27–66, Cl. 60—263.

Stedman, Cecil K., to Statham Instruments, Inc. Pressure transducers. 3,242,449, 3–22–66, Cl. 338—4.

Stedman, Cecil K., to Statham Instruments, Inc. Temperature compensated damping system for accelerometers and the like. 3,267,740, 8–23–66, Cl. 73—497.

Stedman, Cecil K., and H. Brooks, to United States of America, Navy. Steering system for torpedoes. 3,276,411, 10–4–66, Cl. 114—23.

Stedman, Cresswell E., Jr.: *See*—
Mettersheimer, John H., Jr., and Stedman. 3,289,499.

Stedman, Robert J., to Smith Kline & French Laboratories. Tert-butyl 7-aminocephalosporanate. 3,262,932, 7–26–66, Cl. 260—243.

Stedman, Victor S. Extensible rule. 3,261,102, 7–19–66, Cl. 33—161.

Stedtnitz, Wolfgang, to Bofors Aktiebolaget. Electrical counting mechanism. 3,258,753, 6–28–66, Cl. 340—174.

Stedtnitz, Wolfgang, to Bofors Aktiebolaget. Electrical counting mechanism. 3,271,730, 9–6–66, Cl. 340—3.

Steeb, Karl. Oil sludge collector. 3,269,488, 8–30–66, Cl. 184—106.

Steed, James G., and W. W. Blase, to The Welch Scientific Co. Apparatus for studying wave phenomena. 3,253,353, 5–31–66, Cl. 35—19.

Steed, James G., and W. W. Blase, to The Welch Scientific Co. Apparatus for studying wave phenomena. 3,276,614, 10–4–66, Cl. 220—5.

Steehn, Francis C., ½ to Lutz Meat Co. Fishing lure. 3,253,-363, 5–31–66, Cl. 43—42.13.

Steel Briquette Corp.: *See*—
Judd, Sebastian F. 3,227,021.

Steel City Electric Co.: *See*—
Lang, William A. 3,232,472.

Steel Co. of Canada, Ltd., The: *See*—
Child, Roland H. 3,260,146.
Lawrence, Samuel O. 3,231,104.
Layard, Camville P. 3,264,856.
Meyer, Julius E. K., and Sibakin. 3,235,375.

Steel Construction & Engineering Co. (Notts) Ltd.: *See*—
Savory, Frederick R. 3,242,714.

Steel, Derek K. V., and P. Smith, to Imperial Chemical Industries Ltd. Extractive distillation of progylene oxide containing halohydrocarbon impurities. 3,287,234, 11–22–66, Cl. 203—49.

Steel Heddle Mfg. Co.: *See*—
Justice, Floyd E., Jr. 3,231,217.
Kaufman, Frank H. 3,231,208.
Kaufmann, Frank H. 3,260,281.
Kaufmann, Frank H. 3,241,575.
Kaufmann, John J. 3,251,383.
Kramer, Charles F. 3,241,574.
Parks, Robert F. 3,227,394.
Parks, Robert F. 3,276,485.

Steel, Homer J. Tube bending. 3,243,873, 4–5–66, Cl. 29—157.

Steel, Homer J. Cold tube bending apparatus. 3,243,982, 4–5–66, Cl. 72—150.

Steel, John F., to Kota Products, Inc. Window structure. 3,250,038, 5–10–66, Cl. 20—42.

Steel, John F. Combination window and air circulator. 3,259,053, 7–5–66, Cl. 98—94.

Steel, John Y., to Arthur H. Thomas Co. Magnetic mixing bar. 3,245,665, 4–12–66, Cl. 259—144.

Steel, Richard C., to Servomex Controls Ltd. Temperature compensated Wheatstone bridge circuits. 3,281,657, 10–25–66, Cl. 323—75.

Steel, Robert, to The Upjohn Co. Process for the propagation and fermentation of filamentous microorganisms. 3,265,-589, 8–9–66, Cl. 195—80.

Steel, William G.: *See*—
Mann, Stuart N., and Steel. 3,286,663.

Steelcase Inc.: *See*—
Koch, George. 3,288,529.
Pipe, John. 3,260,303.
Pipe, John. 3,280,822.

Steelcraft Mfg. Co., The: *See*—
King, Doanld L. 3,269,068.

Steele, Brian C. H.: *See*—
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Steele, Carlton A.: *See*—
Silva, Joseph, and Steele. 3,258,222.

Steele, Carroll M., and A. C. Krout, to Southern Pacific Co. Railroad grade crossing protection system. 3,246,143, 4–12–66, Cl. 246—128.

Steele, Clarence R.: *See*—
Silver, Harold F., Steele, and Price. 3,248,263.

Steele, Clarence R., to American Factors Associates, Ltd. Continuous centrifugal apparatus and method of continuously separating granular crystals therewith. 3,238,063, 3–1–66, Cl. 127—19.

Steele, Clarence R., to American Factors Associates Ltd. Method of disintegrating vegetal matter. 3,241,587, 3–22–66, Cl. 146—239.

Steele, Clarence R., and F. B. Price, to American Factors Associates, Ltd. Method and apparatus for preparing massecuite for crystal extraction. 3,247,021, 4–19–66, Cl. 127—15.

Steele, Clarence R., and F. B. Price, to American Factors Associates, Ltd. Shaft lubrication system for continuous centrifugal. 3,257,235, 6–21–66, Cl. 127—19.

Steele, Dale I., to National Instrument Laboratories, Inc. Mass flowmeter. 3,252,324, 5–24–66, Cl. 73—210.

Steele, Dale I., to National Instrument Laboratories, Inc. Mass flowmeter. 3,282,103, 11–1–66, Cl. 73—210.

Steele, Donald F., and A. W. Vasel, to American Pyrotector, Inc. Photoelectric detection device utilizing randomized fiber optical light conducting means. 3,244,894, 4–5–66, Cl. 250—227.

Steele, Eugene K.: *See*—
Giegerich, Bertrand V., and Steele. 3,233,311.
Noster, Charles F., Nichols, and Steele. 3,294,123.

Steele, Floyd G., to Digital Control Systems, Inc. Switch controlled gating network. 3,239,687, 3–8–66, Cl. 307—88.5.

Steele, Gordon N., to Sigmatron, Inc. Residual gas removing means for vacuum pumps. 3,239,134, 3–8–66, Cl. 230—69.

Steele, Guy: *See*—
Hope, Henry, and Steele. 3,241,473.

Steele, Harry F., Jr. Self-contained sliding door device. 3,255,807, 6–14–66, Cl. 160—201.

Steele, Harry M., Jr. Performance record having position code and present data comparison-type indicator. 3,270,-334, 8–30–66, Cl. 340—323.

Steele, James E.: *See*—
Storm, James C., Crooke, Estes, and Steele. 3,241,324.

Steele, John A.: *See*—
Ivory, Henry V., MacDonald, and Steele. 3,285,250.

Steele, John D.: *See*—
Kazenas, Zenon, and Ward. 3,246,149.

Steele, Kenneth P., to Sylvania Electric Products Inc. Cascaded harmonic multipliers. 3,263,154, 7–26–66, Cl. 321—69.

Steele, Maurice G. Air wipe device for wire. 3,270,364, 9–6–66, Cl. 15—306.

Steele, Montgomerie C.: *See*—
Van Nimwegen, Robert R., Steele, and Bradley. 3,230,-710.
Van Nimwegen, Robert R., Steele, and Bradley. 3,263,-907.

Steele, Owen L., Jr., and A. F. Miller, to Kiekhaefer Corp. Combined steering wheel and instrument panel mounting for boats. 3,269,210, 8–30–66, Cl. 74—492.

Steele, Raymond, to J. Bishop & Co. Platinum Works. Process for treating platinum-coated electrodes. 3,254,015, 5–31–66, Cl. 204—290.

Steelhammer, Page M. Milking parlor. 3,261,323, 7–19–66, Cl. 119—14.4.

Steeman, Johannes W. M., and J. P. H. von den Hoff, to Stamicarbon N.V. Preparation of cyclic alcohols by oxidation in the presence of boric acid. 3,287,423, 11–22–66, Cl. 260—631.

Steen, Donald B., to United States of America, Navy. Automatic power supply for thermoelectric cooler. 3,285,020, 11–15–66, Cl. 62—3.

Steen, Flody L., to General Electric Co. Ground fault responsive protective system for electric power distribution apparatus. 3,259,802, 7–5–66, Cl. 317—18.

Steen, James B.: *See*—
Coulter, John B., Jr., and Steen. 3,266,342.

Steen, Melvin O.: *See*—
Baker, Eugene H., Osborn, and Steen. 3,227,447.

Steen, Oyvind, to Telefonaktiebolaget L M Ericsson. Thyristor oscillator. 3,287,663, 11–22–66, Cl. 331—111.

Steen, William J.: *See*—
Hilton, Raymond F., Steen, and Steele. 3,232,772.

Steenbeck, Max: *See*—
Zippe, Gernot, Scheffel, and Steenbeck. 3,289,925.

Steenberg, Andreas P., to Dammannbeeken Plasticindustri A/S. Roadside marking post. 3,289,555, 12–6–66, Cl. 94—1.5.

Steenberg, Johannes: *See*—
Schulte, Anthonius M., and Steenberg. 3,289,177.
Schulte, Anthonius M., and Steenberg. 3,289,178.

Steeneck, Robert, to The Western Union Telegraph Co. Storage network comprising a neon tube. 3,227,956, 1–4–66, Cl. 328—210.

Steeneck, Robert, to The Western Union Telegraph Co. Universal network assemblage. 3,242,385, 3–22–66, Cl. 317—101.

Steenken, Gerhard: *See*—
Roderburg, Gerd, and Steenken. 3,271,356.

Steeper, Charles P.: *See*—
Taylor, Alfred H., Ford, and Steeper. 3,272,169.

Steer, Antonius J., to North American Philips Co., Inc. Converter circuits for counters. 3,243,712, 3–29–66, Cl. 328—154.

Steer, Robert W., Jr., to Massachusetts Institute of Technology. Phase repeater servo. 3,273,136, 9–13–66, Cl. 340—198.

Steerup, James, to Triaxon, Inc. Photo-luminescent composition consisting essentially of boric acid and fluorescein. 3,291,749, 12–13–66, Cl. 252—301.3.

Steeves, Robert W.: *See*—
Baer, Charles A., Clough, and Steeves. 3,245,674.
Clough, Philip J., Raymond, and Steeves. 3,255,035.
Clough, Philip J., and Steeves. 3,227,132.

Steeves, Robert W., to National Research Corp. Crucible externally lined with filamentary carbon. 3,227,431, 1–4–66, Cl. 263—48.

Stefan, John P., to Ford Motor Co. Thermostatically controlled pump. 3,228,380, 1–11–66, Cl. 123—41.02.

Stefan, John P., to Ford Motor Co. Temperature sensitive device. 3,228,381, 1–11–66, Cl. 123—41.08.

Stefan, John P., to Ford Motor Co. Temperature responsive fan. 3,228,382, 1–11–66, Cl. 123—41.12.

Stefan, Russell O.: *See*—
Smernoff, Ronald B., and Stefan. 3,270,455.

Stefaniak, Walter J., to Allied Chemical Corp. V_2O_5—$AlPO_4$ containing oxidation catalysts. 3,277,017, 10–4–66, Cl. 252—437.

Stefanik, Donald J.: *See*—
Clark, Clayton H., and Stefanik. 3,280,256.
Clark, Clayton H., and Stefanik. 3,289,189.
Clark, Clayton H., and Stefanik. 3,291,909.

Stefano, Rocco L., R. L. Weisbeck, and J. W. Shingler, to Punch Products Corp. Punching apparatus with work orienting means. 3,246,554, 4–19–66, Cl. 83—410.

Stefansson, Rafn: *See*—
Wilson, Gardner P., and Stefansson. 3,245,083.

Stefansson, Rafn, and H. S. Goodrich, to Clevite Corp. One piece, round, galvanometer filament suspension having flattened and reduced diameter portions, and method of making same. 3,281,683, 10–25–66, Cl. 324—97.

Stefanutti, Sergio, to Giovannetti Machine S.p.A. Side boom pipe layer. 3,265,218, 8–9–66, Cl. 212—8.

Stefcik, Andrew, and F. E. Woodward, to General Aniline & Film Corp. Emulsifiable agricultural biocide composition. 3,240,585, 3–15–66, Cl. 71—2.6.

Steffan, Walter J. Sofa-bed. 3,277,503, 10–11–66, Cl. 5—31.

Steffel, Lu Verne G. Ski stabilizer. 3,284,823, 11–15–66, Cl. 9—310.

Steffen, Werner. Wood belt grinding machine. 3,250,044, 5–10–66, Cl. 51—141.

Steffens, Heinz and W, to F. Stubbe. Metering device for dispensing identical quantities of liquids from liquid containers. 3,288,335, 11–29–66, Cl. 222—455.

Steffens, Karl, to Varta Aktiengesellschaft. Electric cell, particularly an electric storage battery. 3,268,363, 8–23–66, Cl. 136—6.

Steffens, Karl, to Varta Aktiengesellschaft. Electric cell. 3,287,163, 11–22–66, Cl. 136—6.

Steffens, Willi: *See*—
Steffens, Heinz and W. 3,288,335.

Steffey, Edmond A. Method for packaging appliques. 3,226,-910, 1–4–66, Cl. 53—3.

Stefko, Paul L.: *See*—
Magid, Louis, Sleezer, and Stefko. 3,275,510.

Stegbeck, Werner, and W. Siebert, to Comet Apparatebau G.m.b.H. Method of and apparatus for sweeping of mine fields. 3,242,862, 3–29–66, Cl. 102—22.

Stegen, Robert J., to Canoga Electronics Corp. Multipolarized loop antenna array. 3,231,891, 1–25–66, Cl. 343—742.

Steger, Elmer F.: *See*—
Briggs, Eugene C., and Steger. 3,279,338.

Steger, Robert H. Electric heating unit. 3,281,750, 10–25–66, Cl. 338—253.

Steger, Thomas R.: *See*—
Barnier, Douglas J., and Steger. 3,285,565.

Steggerda, Johannes J., to Stamicarbon N.V. Process for the preparation of carbamyl chloride. 3,262,974, 7–26–66, Cl. 260—544.

Steghart, Fritz L. F., and T. E. Oliver, to Satchwell Controls Ltd. Device for controlling a central heating system. 3,246,839, 4–19–66, Cl. 236—91.

Steghart, Fritz L. F., and P. L. Kershaw, to Salchwell Controls, Ltd. Flame supervision devices for burners. 3,282,-322, 11–1–66, Cl. 158—28.

Stegherr, Arnold, to North American Philips Co., Inc. Semiconductive material, semiconductive and thermoelectric devices. 3,249,469, 5–3–66, Cl. 136—4.

Steglich, Wolfgang: *See*—
Weygand, Friedrich, Steglich, Prox, and Kaelicke. 3,250,758.

Stegman, Charles B. Eddy current clutch. 3,233,131, 2–1–66, Cl. 310—105.

Stegmann, Ernst, to Rheinstahl Huttenwerke Aktiengesellschaft. Machine for bending and working wire. 3,227,195, 1–4–66, Cl. 140—103.

Stegner, Douglass M., to Baltimore Box Co. Divided carton. 3,228,581, 1–11–66, Cl. 229—27.

Stegner, Douglass M. Pressure dispenser for viscous materials. 3,243,084, 3–29–66, Cl. 222—95.

Stegner, Gustav O.: *See*—
Hagner, Lawrence R., and Stegner. 3,294,950.
Martin, William C., and Stegner. 3,263,471.

Stehling, Chas. H., Co.: *See*—
Horn, Arthur H. 3,276,230.

Stehney, Thomas G.: *See*—
DeWitt, David, and Stehney. 3,283,223.

Stehney, Thomas G., to Westinghouse Electric Corp. Integrated transistor diode and resistance semiconductor network. 3,230,429, 1–18–66, Cl. 317—235.

Stehrenberger, Max, and L. Rasmussen, to K. Rutschi A.G. Centrifugal pump. 3,289,597, 12–6–66, Cl. 103—97.

Steidinger, Donald J.: *See*—
Peterson, Charles L., and Steidinger. 3,261,603.

Steidinger, Donald J., to Uarco Inc. Data tape package. 3,252,568, 5–24–66, Cl. 206—52.

Steidinger, Dual Gebruder: *See*—
Zimmermann, Heinrich, and Laufer. 3,284,085.

Steidinger, Gebruder: *See*—
Zimmerman, Heinrich, and Schwer. 3,245,574.

Steidl, Robert H., to The Boeing Co. Blown movable airfoil. 3,259,341, 7–5–66, Cl. 244—42.

Steidler, Walter, to Motoren-Werke Mannheim A. G. Vorm Benz Abt. Stat Motorenbau. Compression ignition engines. 3,244,158, 4–5–66, Cl. 123—32.

Steidler, Walter, to Motoren-Werke Mannheim AG. Vorm Benz ABT Stat. Motorenbau. Cylinder for an internal combustion engine. 3,270,733, 9–6–66, Cl. 123—188.

Steidlinger, Franz-Josef, to Farbenfabriken Bayer Aktiengesellschaft. Closure for a spinning shaft. 3,238,562, 3–8–66, Cl. 18—8.

Steier, Charles G.: *See*—
Cox, Monroe J., and Steier. 3,263,958.

Steier, William H.: *See*—
Kaufman, Irving, and Steier. 3,238,531.

Steier, William J., Jr.: *See*—
Cox, Monroe J., and Steier. 3,293,810.

Steiger, A.G., Lithographie, Druckerei Cartonnagefabrik: *See*—
Steiger, Henry. 3,250,454.

Steiger, Douglas W. and M. J., ½ to E. A. Christianson. Articulated vehicle. 3,270,829, 9–6–66, Cl. 180—51.

Steiger, Fred H., to Johnson & Johnson. Surgical dressing. 3,241,553, 3–22–66, Cl. 128—156.

Steiger, Henry, to Steiger A.G., Lithographie, Druckerei Cartonnagefabrik. Carton and blank for its fabrication. 3,250,454, 5–10–66, Cl. 229—22.

Steiger, Maurice J.: *See*—
Steiger, Douglas W. and M. J. 3,270,829.

Steiger, Werner, to Hughes Aircraft Co. Transistor frequency discriminator circuits. 3,235,811, 2–15–66, Cl. 329—103.

Steigerwald, Karl-Heinz: *See*—
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Steigerwalt, Robert D., to United States Steel Corp. Production of flat metal sheets. 3,236,086, 2–22–66, Cl. 72—296.

Steijner, Olof R.: *See*—
Matell, Paul M. T., Tornquist, and Steijner. 3,242,183.
Schonfeldt, Nikolaus A., Grunewald, and Steijner. 3,232,779.

Steiman, Wolf: *See*—
Beres, Steven, O'Donnell, and Steiman. 3,283,785.
O'Donnell, William R., and Steiman. 3,228,571.
Schulman, Leon, and Steiman. 3,248,022.

Steiman, Wolf, to Valve Corp. of America. Dispensing pump valve structure. 3,228,570, 1–11–66, Cl. 222—321.

Steimel, Karl: *See*—
Koppelmann, Floris, and Steimel. 3,227,937.
Stumpe, August C., and Steimel. 3,256,408.

Steimel, Richard. Centrifuge having a combined cover and filling funnel. 3,257,073, 6–21–66, Cl. 233—27.

Steimen, Lawrence E., A. H. Buckley, and G. C. Kekopoulos, to Arthur D. Little, Inc. Biscuit packaging machine. 3,282,-023, 11–1–66, Cl. 53—237.

Steimen, Lawrence E., and B. A. Fulton, to Anderson, Clayton & Co. Seed cotton cleaning and ginning. 3,284,855, 11–15–66, Cl. 19—48.

Stein, A., & Co., Inc.: *See*—
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Stein, Alexander. Unified recording board and record for collated copymaking of note-taking in books. 3,284,104, 11–8–66, Cl. 282—29.

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Stein, Charles H., and W. Krause, to Keuffel & Esser Co. Scribing instruments. 3,271,862, 9–13–66, Cl. 33—18.

Stein, Clyde R., to Frederick H. Flam. Duplicate bridge board. 3,236,523, 2–22–66, Cl. 273—148.

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Stein, Edward H., to Pittsburgh Plate Glass Co. Compartment of an assembly of structural glass plates. 3,284,974, 11–15–66, Cl. 52—204.

Stein, Edward S., and R. R. Stevenson; said Stein assor. to said Stevenson. Stereoscopic X-ray examination apparatus with light conducting rods to transmit the optical images. 3,244,878, 4–5–66, Cl. 250—60.

Stein, Elmer L., and W. E. Bledsoe, Jr., to Vibrite Corp. Display sign having light reflecting surfaces and means for causing a shimmering reflective effect. 3,248,816, 5–3–66, Cl. 40—139.

Stein, Eugene S., to Amsted Industries Inc. Wheel tread brake arrangement. 3,253,680, 5–31–66, Cl. 188—52.

Stein, Gary, to Applied Power Industries, Inc. Safety circuit. 3,253,683, 5–31–66, Cl. 192—3.

Stein, Gary, R. C. Hare, and W. A. Hohl, to Applied Power Industries, Inc. Trailer transmission. 3,293,942, 12–27–66, Cl. 74—664.

Stein, George A., and E. R. Pelton. Clay pipe junctures and method. 3,246,671, 4–19–66, Cl. 138—109.

Stein, Gerhard M., to Westinghouse Electric Corp. Graded insulation for interleaved windings. 3,246,270, 4–12–66, Cl. 336—70.

Stein, Gerhard M., to Westinghouse Electric Corp. Interleaved series sections in pancake coils. 3,278,879, 10–11–66, Cl. 336—187.

Stein, Gerhard M., G. J. Hattrup, and C. E. Burkhardt, to Westinghouse Electric Corp. Electrical apparatus. 3,283,-281, 11–1–66, Cl. 336—217.

Stein, Hall & Co., Inc.: *See*—
Andt, John J. R. 3,271,164.
Goldstein, Arthur M., Kohl, and Kaplan. 3,278,522.

Stein, Irving: *See*—
Ragle, Herbert U., Jr., and Stein. 3,251,046.

Stein, Jack C. Railroad ballast spreading guide. 3,250,027, 5–10–66, Cl. 37—105.

Stein, John A.: *See*—
Moore, Harwood B., and Stein. 3,290,045.

Stein, Jolyon A.: *See*—
Gidlow, Rolf G., and Stein. 3,251,695.

Stein, Joseph L., to General Refractories Co. Hinged refractory brick hanger. 3,259,086, 7–5–66, Cl. 110—99.

Stein, Karl: *See*—
Fritzsche, Helmut, Kroger, and Stein. 3,235,607.
Fritzsche, Helmut, Kroger, and Stein. 3,261,872.

Stein, Karl, and T. Bimber. Drying device for the soles of shoes. 3,268,055, 8–23–66, Cl. 198—21.

Stein, Laurence B., Jr., to Sigma Instruments, Inc. Electrical coupling device. 3,251,014, 5–10–66, Cl. 336—90.

Stein, Myron. Continuous self-returned mailing envelope. 3,229,893, 1–18–66, Cl. 229—68.

Stein, Norman, to Standard Oil Co. Apparatus for oxidation of organic compounds. 3,281,214, 10–25–66, Cl. 23—285.

Stein, Raphael. Rivet setting machine. 3,236,432, 2–22–66, Cl. 227—61.

Stein, Richard J.: *See*—
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Stein, Richard J., and T. B. Graham. Plural container package. 3,232,424, 2–1–66, Cl. 206—65.

Stein, Robert F.: *See*—
Bilodeau, Alvin V., Francoeur, and Stein. 3,265,968.

Stein, Robert J. Bust developer. 3,238,937, 3–8–66, Cl. 128—40.

Stein, Robert R., to Industrial Acoustics Co., Inc. Trolley systems. 3,253,552, 5–31–66, Cl. 104—94.

Stein, Robert R., and S. H. Coe, to Grant Pulley and Hardware Corp. Bi-fold hardware for foldable doors. 3,285,324, 11–15–66, Cl. 160—206.

Stein & Roubaix: *See*—
Mirigay, Rene F. 3,229,672.

Stein, Stefan M.: *See*—
Winston, Emanuel A. 3,255,910.

Stein, Stefan M. Detection response mechanism. 3,231,880, 1–25–66, Cl. 340—258.

Stein, Stefan M. Heat curable plastic sheets and laminates. 3,285,795, 11–15–66, Cl. 161—7.

Stein, Vollprecht, E. Anchutz, K. Ebner, and E. Schnitzspahn to Metallgesellschaft Aktiengesellschaft. Production of potassium sulfate. 3,243,259, 3–29–66, Cl. 23—121.

Stein, Werner: *See*—
Walther, Guntram, and Stein. 3,281,374.

Stein, Werner, H. Rutzen, and E. Sussner, to Henkel & Cie G.m.b.H. Process for the production of glycerides having melting points differing from the starting glyceride material. 3,232,971, 2–1–66, Cl. 260—410.7.

Stein, Werner, H. Weiss, and O. Koch, to Henkel & Cie G.m.b.H. Sulfonation of saturated fatty acid esters of polyvalent alcohols. 3,251,868, 5–17–66, Cl. 260—400.

Stein, Werner, H. Weiss, and O. Koch, to Henkel & Cie, G.m.b.H. Sulfonation of fatty acids and their esters. 3,256,303, 6–14–66, Cl. 260—400.

Stein, Werner, H. Weiss, and O. Koch, to Henkel & Cie., G.m.b.H. Pourable and free-flowing detergent, wetting, and emulsifying compositions. 3,274,117, 9–20–66, Cl. 252—161.

Stein, Wolfgang J., and C. R. Banthin, to Avco Corp. Corrugated plate counter flow heat exchanger. 3,228,464, 1–11–66, Cl. 165—166.

Steinbach, Karl: *See*—
Wentzel, Peter, and Steinbach. 3,284,619.

Steinbach, Hans-Horst.: *See*—
Damm, Klaus, Hornig, Sinn, and Steinbach. 3,155,141.

Steinbach, Hans-Horst, K. Damm, and W. Simmler, to Farbenfabriken Bayer Aktiengesellschaft. Epoxy-organo silicon compounds as hair treating agents. 3,248,296, 4–26–66, Cl. 167—87.

Steinbach, Ward F.: *See*—
Spaulding, Charles L. 3,276,721.

Steinback, Clarence I., to Acrometal Products, Inc. Pay-off reel for wire and the like. 3,269,672, 8–30–66, Cl. 242—128.

Steinberg, Adalberto S. Tension element. 3,239,903, 3–15–66, Cl. 24—146.

Steinberg, Adalberto S. Pull fastening device for shoes and more particularly for ski shoes. 3,258,820, 7–5–66, Cl. 24—70.

Steinberg, Adalberto S. Reverse tensioning lever device for joining two borders to be united. 3,292,222, 12–20–66, Cl. 24—68.

Steinberg, Charles A.: *See*—
Paine, Larry W., and Steinberg. 3,295,109.

Steinberg, David H.: *See*—
Dexter, Martin, Spivack, and Steinberg. 3,285,855.
Spivack, John D., Steinberg, and Dexter. 3,282,951.
Spivack, John D., Steinberg, and Dexter. 3,288,798.

Steinberg, David H., to Geigy Chemical Corp. Dialkyl α-(dialkylhydroxyphenyl)-β-alkylthiobutandioates. 3,277,148, 10–4–66, Cl. 260—470.

Steinberg, David H. to Geigy Chemical Corp. Dialkyl 2-dialkylhydroxyphenyl-2-butendioates. 3,277,152, 10–4–66, Cl. 260—473.

Steinberg, David H., to Geigy Chemical Corp. Process for the preparation of carbonyl compounds containing a hindered phenol group. 3,281,455, 10–25–66, Cl. 260—473.

Steinberg, Gilbert H.: *See*—
Levine, Richard G., and Steinberg. 3,232,079.

Steinberg, Hyman A. Auxiliary heating means for solar oven. 3,236,227, 2–22–66, Cl. 126—270.

Steinberg, Hyman A. Food storage and cooking tray. 3,236,403, 2–22–66, Cl. 220—1.

Steinberg, Jacob D.: *See*—
Wilson, Louis, Hull, Steinberg, and Fischell. 3,286,064.

Steinberg, John C., to Bell Telephone Laboratories, Inc. Signal controlled steering systems. 3,238,910, 3–8–66, Cl. 114—23.

Steinberg, Meyer, G. Farber, and D. H. Gurinsky, to United States of America, Atomic Energy Commission. Nuclear fuel element. 3,261,757, 7–19–66, Cl. 176—70.

Steinberg, Meyer, J. Pruzansky, and H. Kramer, to United States of America, Atomic Energy Commission. Method of producing hydrazine. 3,265,602, 8–9–66, Cl. 204—157.1.

Steinberg, Robert, to United States of America, National Aeronautics and Space Administration. Molecular beam velocity selector. 3,282,035, 11–1–66, Cl. 55—400.

Steinberg, Samuel B. Smoke generator. 3,249,553, 5–3–66, Cl. 252—359.

Steinberg, Samuel B. Cryosurgery probe device. 3,266,492, 8–16–66, Cl. 128—303.

Steinberger, Dora. Combination brassiere and detachable lower garment. 3,292,629, 12–20–66, Cl. 128—439.

Steinberger, Samuel: *See*—
Wakeman, Reginald L., Shay, and Steinberger. 3,270,022.

Steinbock, Edmund A., Jr., to Whip-Mix Corp. Investment mixer with enlarged mold supporting platform. 3,249,969, 5–10–66, Cl. 22—9.

Steinbock, Edmund A., Jr., to Whip-Mix Corp., Inc. Power mixer. 3,263,970, 8–2–66, Cl. 259—108.

Steinbock, Fred C., to The Kendall Co. Display, dispensing and shipping container. 3,241,737, 3–22–66, Cl. 229—17.

Steinbock, Fred C., to The Kendall Co. Multiple spool retainer. 3,279,591, 10–18–66, Cl. 206—65.

Steinbock, Fred C., to The Kendall Co. Tape spindle. 3,280,987, 10–25–66, Cl. 211—59.

Steinbruchel, Armando B.: *See*—
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Steinbruegge, Harold A., to Westinghouse Electric Corp. Electrical control apparatus. 3,268,796, 8–23–66, Cl. 322—28.

Steinbruegge, Harold A., and R. A. Geiselman, to Westinghouse Electric Corp. Electrical apparatus for initial and short circuit excitation of generators. 3,249,846, 5–3–66, Cl. 322—28.

Steinbruegge, Harold A., and J. F. Reuther, to Westinghouse Electric Corp. Electrical apparatus. 3,254,293, 5–31–66, Cl. 322—73.

Steinbrunn, Gustav, A. Fischer, and E. Flickinger, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Novel urea derivatives. 3,275,670, 9–27–66, Cl. 260—453.

Steinbrunn, Gustav, E. Flickinger, and A. Fischer, to Badische Anilin- & Soda-Fabrik Aktiengesellschaft. Novel urea derivatives. 3,277,141, 10–4–66, Cl. 260—453.

Steinbuch, Karl, F. Zendeh, and G. Merz, to International Standard Electric Corp. Self-correcting circuit arrangement for determining the signal with a preferential value at the outputs of a decoding matrix. 3,245,034, 4–5–66, Cl. 340—146.1.

Steinbuch, Karl, and P. Muller, to International Standard Electric Corp. Learning matrix for analog signals. 3,286,238, 11–15–66, Cl. 340—172.5.

Steinbuchel, Gunter: *See*—
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Steinecke, Helmut: *See*—
Poepel, Franz, and Steinecke. 3,282,803.

Steiner, Albert, to Pan-A Bode Building Ltd. Log-wall corner construction. 3,257,762, 6–28–66, Cl. 52—233.

Steiner, Carl: *See*—
Diller, Ray E., and Steiner. 3,242,548.

Steiner, Donald F.: *See*—
Graves, Charles A., Steiner, and Hirdler. 3,231,513.

Steiner, Friedrich: *See*—
Steiner, Fritz. 3,290,685.

Steiner, Fritz, to International Standard Electric Corp. Omni-directional instrument landing system, particularly for vertical take-off and V/STOL aircraft. 3,234,553, 2–8–66, Cl. 343—108.

Steiner, Fritz (also known as Friedrich Steiner), to International Standard Electric Corp. Omni-range Doppler beacons and direction finding systems. 3,290,685, 12–6–66, Cl. 343—106.

Steiner, Harold K. Fluid pressure operated dispenser for viscous products. 3,281,020, 10–25–66, Cl. 222—162.

Steiner, John E., to United States Steel Corp. Method of heat treating heavy alloy steel forgings. 3,264,145, 8–2–66, Cl. 148—12.3.

Steiner, John E., to United States Steel Corp. Method of heat treating alloy steel rotor forgings. 3,266,947, 8–16–66, Cl. 148—12.

Steiner, John E., to The Boeing Co. Leading edge spoiler and flap wing stall control means. 3,282,535, 11–1–66, Cl. 244—42.

Steiner, Karl, to Dinglerwerke Aktiengesellschaft. Control system for slidable gates in gas pipes. 3,282,299, 11–1–66, Cl. 138—94.3.

Steiner, Russell I.: *See*—
Spatz, Sydney M., and Steiner. 3,272,843.

Steiner, William R., to General Motors Corp. Domestic appliance. 3,264,047, 8–2–66, Cl. 312—214.

Steinert, Emil F., to Westinghouse Electric Corp. Lighting apparatus. 3,249,809, 5–3–66, Cl. 315—291.

Steinert, Emil F., to Westinghouse Electric Corp. Welding apparatus. 3,254,318, 5–31–66, Cl. 336—133.

Steinert, Kurt, and R. Jahn, to Industriewerk Schaeffler OHG. Sealed needle roller bearing. 3,266,856, 8–16–66, Cl. 308—187.1.

Steinfink, Murray, to E. I. du Pont de Nemours and Co. Adhesive solution comprising a phenol-formaldehyde resin and a polyurethane elastomer in a solvent mixture of methylene chloride and an aqueous ethyl alcohol solution. 3,284,392, 11–8–66, Cl. 260—29.3.

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Mille, George T., and Steingart. 3,262,871.

Steingas, Richard R.: *See*—
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Middlesworth, Tommy A., Findlay, Steingas, and Knapp. 3,294,418.
Pool, Stuart D., Steingas, and Enix. 3,246,715.

Steingroever, Erich: *See*—
Heimke, Gunther, and Steingroever. 3,236,700.

Steingroever, Erich, to Magnetfabrik Bonn Gewerkschaft Windhorst. Flexible permanent magnet and composition. 3,257,586, 6–21–66, Cl. 317—158.

Steingruebner, Arthur, to Wahl Brothers Attaching apparatus for slide fastener elements. 3,244,129, 4–5–66, Cl. 112—2.

Steingruebner, Arthur. Method of making interlocking zipper elements. 3,255,288, 6–7–66, Cl. 264—230.

Steinhardt, Helmut: *See*—
Kroll, Heinz, and Steinhardt. 3,248,401.

Steinhardt, Kurt: *See*—
Schork, Rudolf, and Steinhardt. 3,230,973.

Steinhauer, Alfred F.: *See*—
McCoy, Charles E., Jr., and Steinhauer. 3,278,370.

Steinhauer, Alfred F., and J. C. Valenta, to The Dow Chemical Co. Germicidal alkylhalodiphenyl oxide sulfonate compositions. 3,245,914, 4–12–66, Cl. 252—106.

Steinhauer, Alfred F., and J. C. Valenta, to The Dow Chemical Co. Alkylhalodiphenyl oxide sulfonates as microbiocides. 3,252,856, 5–24–66, Cl. 167—30.

Steinhaus, James F., and T. O. Passell, to United States of America, Atomic Energy Commission. Plasma particle separator and analyzer having a grid structure consisting of linear tubular portions. 3,288,993, 11–29–66, Cl. 250—41.9.

Steinhauser, Aloysius P., to Amsted Industries Inc. T-shaped external chill. 3,287,772, 11–29–66, Cl. 22—174.

Steinhelper, John E., Jr., to The Bendix Corp. Low inductance and capacitance electrical cartridge and method of manufacture. 3,231,795, 1–25–66, Cl. 317—234.

Steinhoff, William L.: *See*—
Kirk, James H., Patinkin, and Steinhoff. 3,250,599.
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Steinholtz, Gosta: *See*—
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Steinkamp, Joseph F. Toy train. 3,252,428, 5–24–66, Cl. 105—147.

Steinke, James M., and C. A. Albosta, to The National Cash Register Co. Document separating and feeding apparatus. 3,279,790, 10–18–66, Cl. 271—41.

Steinke, Walter H., to Hughes Aircraft Co. Diode parametric amplifier with single adjustable coaxial cavity. 3,230,465, 1–18–66, Cl. 330—4.9.

Steinkoenig, Roland P., and C. E. Entemann, to Diamond Alkali Co. Process for preparing halophenoxycarboxylic acids. 3,257,453, 6–21–66, Cl. 260—521.

Steinkopf, Wolfgang, to North American Philips Co., Inc. Superheterodyne circuit arrangements. 3,251,932, 5–17–66, Cl. 178—5.8.

Steinman, William W. Electric motor pump. 3,291,056, 12–13–66, Cl. 103—87.

Steinmann, Friedrich, to Bucyrus-Erie Co. Crowd mechanism. 3,258,143, 6–28–66, Cl. 214—135.

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Steinmetz, Andre, R. Botton, and J. P. Delgrange, to Compagnie de Saint-Gobain. Iron oxide pigments. 3,262,755, 7–26–66, Cl. 23—200.

Steinmetz, Fred J. Apparatus for automatic dilution of measured concentrates. 3,267,964, 8–23–66, Cl. 137—624.13.

Steinmetz, Walter C., to Jeffrey Galion Mfg. Co. Adjustable troughing idler. 3,259,227, 7–5–66, Cl. 198—192.

Steinmetz, Walter C., to Jeffrey Galion Mfg. Co. Reversible training idler. 3,269,518, 8–30–66, Cl. 198—202.

Steinmetz, Walter C., to Jeffrey Galion Mfg. Co. Spiral conveyor coupling means. 3,289,819, 12–6–66, Cl. 198—213.

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Steinmeyer, Donald A., to Douglas Aircraft Co., Inc. Cell for testing fluids. 3,236,094, 2–22–66, Cl. 73—61.

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Steinrotter, Heinz: *See*—
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Jantzen, George. 3,262,738.
Sepp, Oscar W., Jr. 3,240,451.
Sepp, Oscar W., Jr. 3,250,168.

Steinway, Joseph H. Fifth wheel king pin latching device for tractor-trailers. 3,282,607, 11–1–66, Cl. 280—434.

Steinway & Sons: *See*—
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Steinway, Theodore D., to Steinway & Sons. Piano action bushing assembly. 3,240,095, 3–15–66, Cl. 84—251.

Steisslinger, Kurt, to Eastman Kodak Co. Camera film winding arrangement. 3,253,526, 5–31–66, Cl. 95—31.

Steisslinger, Kurt, to Eastman Kodak Co. Film magazine. 3,286,945, 11–22–66, Cl. 242—71.2.

Steisslinger, Kurt, to Eastman Kodak Co. Camera with a movably mounted photoelectric member. 3,291,017, 12–13–66, Cl. 95—10.

Steisslinger, Kurt, and E. Lieser, to Eastman Kodak Co. Depth of field indicator for cameras. 3,236,166, 2–22–66, Cl. 95—10.

Steisslinger, Kurt, and H. Simon, to Eastman Kodak Co. Multiple-part detachable film cartridge or film pack. 3,276,714, 10–4–66, Cl. 242—71.2.

Stekly, Zdenek J. J., to Avco Corp. Electric generator. 3,239,697, 3–8–66, Cl. 310—11.

Stekly, Zdenek J. J., to Avco Corp. Superconducting magnet. 3,263,133, 7–26–66, Cl. 317—123.

Stell, Edward J. Center punch micrometer. 3,293,763, 12–27–66, Cl. 33—191.

Stella, Remo, to Servo Corp. of America. Triangular to sawtooth wave form converter. 3,255,363, 6–7–66, Cl. 307—88.5.

Stella, Remo, to Servo Corp. of America. Electric wave generating and phase shifting means. 3,255,416, 6–7–66, Cl. 328—22.

Stella, Remo, to Servo Corp. of America. Frequency generator for producing electric signals of predetermined wave form. 3,262,069, 7–19–66, Cl. 331—57.

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Stelle, Allen M., to North American Aviation Inc. Prestressed flexible joint for mechanical arms and the like. 3,266,059, 8–16–66, Cl. 3—12.3.

Stelli, Daniel E., and E. S. Garbarczyk, to General Electric Co. Clothes washing machine incorporating an improved combination balance ring and clothes guard device. 3,278,037, 10–11–66, Cl. 210—363.

Stelling, John H.: *See*—
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Worthen, Eugene P., and Stelling. 3,254,705.
Worthen, Eugene P., and Stelling. 3,254,788.
Worthen, Eugene P., and Stelling. 3,262,497.

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Stellrecht, Karl W. and H. H. Flash gun for underwater camera. 3,252,393, 5–24–66, Cl. 95—11.

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Stelmach, Anthony L.: *See*—
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Stelmach, Anthony L., to Ferranti-Packard Electric Ltd. Vehicle detector with battery storage element. 3,233,234, 2–1–66, Cl. 340—258.

Stelniceanu, Jacques. Folding tea cart. 3,291,501, 12–13–66, Cl. 280—36.

Stelter, William L., to Synchro-Start Products, Inc. Duty cycle circuit. 3,230,401, 1–18–66, Cl. 307—132.

Stelter, William M. Fuel-air-mixture structure for internal combustion engines. 3,227,534, 1–4–66, Cl. 48—180.

Steltz, Douglas C.: *See*—
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Steltz, Douglas C., and R. C. Schneider. Hydro therapeutic fluid nozzle. 3,279,703, 10–18–66, Cl. 239—433.

Stelzer, Donald L., to The Bendix Corp. Isolator using internally terminated circulator. 3,246,261, 4–12–66, Cl. 333—1.1.

Stelzer, Frank. Free piston machine. 3,283,752, 11–8–66, Cl. 123—46.

Stelzer, Roland B.: *See*—
Clements, Roy J., and Stelzer. 3,268,801.

Stelzer, William, to Kelsey-Hayes Co. Tractor trailer brake system. 3,232,674, 2–1–66, Cl. 303—7.

Stelzer, William, to Kelsey-Hayes Co. Fluid pressure motor mechanism. 3,237,525, 3–1–66, Cl. 91—369.

Stelzer, William, to Kelsey-Hayes Co. Tractor trailer brake system. 3,240,534, 3–15–66, Cl. 303—15.

Stelzer, William, to Kelsey-Hayes Co. Front and rear vehicle brake proportioning mechanism. 3,245,726, 4–12–66, Cl. 303—6.

Stelzer, William, to Kelsey-Hayes Co. Brake pressure proportioning device. 3,252,740, 5–24–66, Cl. 303—6.

Stelzer, William, to Kelsey-Hayes Co. Tractor-trailer brake system. 3,256,045, 6–14–66, Cl. 303—15.

Stelzer, William, to Kelsey-Hayes Co. Vehicle brake mechanism. 3,258,924, 7–5–66, Cl. 60—54.5.

Stelzer, William, to Kelsey-Hayes Co. Pressure metering valve. 3,278,241, 10–11–66, Cl. 303—6.

Stelzer, William, to Kelsey-Hayes Co. Proportioning valve. 3,283,504, 11–8–66, Cl. 60—545.

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Stemmer, Clarence P., to Hazeltine Research, Inc. Pulsed local oscillator. 3,270,342, 8–30–66, Cl. 343—13.

Stemmer, Hans D.: *See*—
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Stemmer, Hans D., E. Schmidt, J. Winter, and A. Kuhlkamp, to Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for rubberizing textile material with a saturated copolymer of olefins. 3,228,793, 1–11–66, Cl. 117—161.

Stemmler, Kurt, to R. Winkler and K. Dunnebier. Apparatus for feeding blanks having a window opening. 3,231,262, 1–25–66, Cl. 271—2.

Stemmler, Kurt, to R. Winkler and K. Dunnebier. Forming envelope blanks from a continuously travelling web of paper, or the like. 3,279,290, 10–18–66, Cl. 83—26.

Stemmler, Kurt, to R. Winkler and K. Dunnebier. Mechanism for feeding envelopes, cards or other sheets from under a pile into a machine for their processing. 3,291,482, 12–13–66, Cl. 271—11.

Stemniski, John R.: *See*—
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Stemniski, John R., S. D. Koch, and G. R. Wilson, to Monsanto Research Corp. Lubricant composition containing a metal compound. 3,236,773, 2–22–66, Cl. 252—42.7.

Stempel, Arthur, to Hoffmann-La Roche Inc. α-3-pyridylmandelic acid and derivatives thereof. 3,290,316, 12–6–66, Cl. 260—292.

Stempel, Frederick C., to Hy-Cal Engineering. Metallurgically bonded circular foil heating rate sensor. 3,280,626, 10–25–66, Cl. 73—190.

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Stencel, Fred B. 3,286,959.
Stencel, Fred B., Britton, Peck, Manzuk, and Duncan. 3,281,098.

Stencel, Fred B., to Stencel Aero Engineering Corp. Antibounce controls. 3,227,402, 1–4–66, Cl. 244—138.

Stencel, Fred B., to Stencel Aero Engineering Corp. Power deployed parachute apparatus. 3,286,959, 11–22–66, Cl. 244—148.

Stencel, Fred B., T. M. Britton, Jr., W. R. Peck, R. J. Manzuk, and J. W. Duncan, to Stencel Aero Engineering Corp. Fail-safe parachute apparatus. 3,281,098, 10–25–66, Cl. 244—149.

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Stenerson, John B. Turbine. 3,277,792, 10–11–66, Cl. 91—85.

Stenestam, Arne W., and K. T. Schill, to Hjo Fabriks AB. Laundry mangles. 3,270,444, 9–6–66, Cl. 38—49.

Stengel, Paul G. Mushroom cultivation. 3,286,398, 11–22–66, Cl. 47—1.1.

Stengel, Paul G. Mushroom cultivation. 3,292,305, 12–20–66, Cl. 47—1.1.

Stenger, Hans G., to Owens-Illinois Glass Co. Modified plasticizer system. 3,256,568, 6–21–66, Cl. 18—30.

Stenger, Hans G., to Owens-Illinois Inc. Method and apparatus for feeding plastic material. 3,267,194, 8–16–66, Cl. 264—329.

Stenger, Jacob J. Surface vessel. 3,279,407, 10–18–66, Cl. 114—66.5.

Stenger, Vernon A., and M. Chao, to The Dow Chemical Co. Primary cell with non-aqueous electrolyte. 3,236,694, 2–22–66, Cl. 136—100.

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Stenquist, Knut T., and G. W. Ringstrom, to Torsten Stenquist Ingerjorsfirma. Procedure for welding a joint and protecting the joint and adjacent metal surfaces against rust and corrosion. 3,289,293, 12–6–66, Cl. 29—484.

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Stenseth, Raymond E.: *See*—
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Stensrud, Lloyd S. Subscriber alarm system. 3,287,718, 11–22–66, Cl. 340—213.1.

Stentz, Blair E.: *See*—
Swartzbaugh, John D., and Stentz. 3,270,909.

Stentz, Blair E., and W. R. Conklin, to United Service Equipment Co., Inc. Hot and cold food service cart. 3,275,393, 9–27–66, Cl. 312—214.

Stenudd, Sven G. V., to Ab Atvidabergs Industrier. Device for producing code characters, for use with typewriters and similar character printing apparatus. 3,241,648, 3–22–66, Cl. 197—1.

Stenvall, Carl B. Method for making adhesive bandage. 3,245,855, 4–12–66, Cl. 156—152.

Stenvall, Carl B. Adhesive bandage and wrapper therefor. 3,256,881, 6–21–66, Cl. 128—156.

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Stenzenberger, Volkmar: *See*—
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Stephan, Alain M. J., to Compagnie des Machines Bull (Societe Anonyme). Collating machine for selecting and collating cards. 3,276,767, 10–4–66, Cl. 270—58.

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Stephan, John T., and A. L. Lomax, to Stepan Chemical Co. Process for the production of benzene disulfonic acid. 3,227,750, 1–4–66, Cl. 260—505.

Stephan, Joseph. Concentrating table for mineral recovery. 3,269,538, 8–30–66, Cl. 209—441.

Stephan, Kurt, to Globe-Union Inc. Switch construction and contact clip mounting arrangement therefor. 3,248,488, 4–26–66, Cl. 200—11.

Stephan, Kurt, and D. D. Winnie, to Globe-Union Inc. Electrical switch and improved contact finger and contact clip construction therefor. 3,242,271. 3–22–66, Cl. 200—11.

Stephan, Raymond C., to United States Steel Corp. Oxygen steelmaking. 3,236,630, 2–22–66, Cl. 75—60.

Stephanoff, Nicholas N., to Fluid Energy Processing and Equipment Co. Apparatus for preparing liquid slurries and for dispersement thereof in polymeric substances. 3,254,848, 6–7–66, Cl. 241—39.

Stephen, James H., to United Kingdom Atomic Energy Authority. Methods of depositing magnetic alloy films. 3,239,437, 3–8–66, Cl. 204—43.

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Stephens, Joseph F. and F. N. 3,233,990.
Stephens, Joseph F. and F. N. 3,233,992.

Stephens, Frederick N., E. R. Cheramy, and G. Rowlett, to Stephens Industries, Inc. Box lidder. 3,245,202, 4–12–66. Cl. 53—315.

Stephens, Frederick N., and C. C. Krug, to Stephens and Associates, Inc. Adhesive applicator for ticket-like elements. 3,255,726, 6–14–66, Cl. 118—1.

Stephens, Frederick N., and C. C. Krug, to Stephens Industries, Inc. Apparatus for controlled dispensing and conditioning of stacked objects. 3,262,418, 7–26–66, Cl. 118—1.

Stephens, Frederick N., and J. R. McBride, to Stephens Industries, Inc. Ticket collector. 3,263,100, 7–26–66. Cl. 307—116.

Stephens, Frederick N., and J. R. McBride, to Gustin-Bacon Mfg. Co. Apparatus for detecting breaks during molten fiber formation. 3,268,314, 8–23–66, Cl. 65—11.

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Stephens James R., to Phillips Petroleum Co. Pipe line scraper with magnetic pickup means. 3,292,197, 12–20–66, Cl. 15—104.06.

Stephens, James R., and R. E. Van Strien, to Standard Oil Co. 4-(epoxyalkyl) methyl esters of trimellitic anhydrides and homopolymers thereof. 3,238,184, 3–1–66, Cl. 260—78.4.

Stephens, James R., and R. E. Van Strien, to Standard Oil Co. 4-carboxy polyesters and method of making them. 3,264,267, 8–2–66, Cl. 260—75.

Stephens, Joseph F. and F. N., to Gustin-Bacon Mfg. Co. Apparatus for production of fine glass fibers. 3,233,992, 2–8–66, Cl. 65—15.

Stephens, Joseph F. and F. N., to Gustin-Bacon Mfg. Co. Method and apparatus for forming fibers by spinning fluid blast and rotor. 3,233,990, 2–8–66, Cl. 65—6.

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Stephens, Ruth E., D. A. Hirschler, Jr., and F. W. Lamb, to Ethyl Corp. Catalyst composition consisting of copper oxide-iron oxide on alumina. 3,271,324, 9–6–66, Cl. 252—466.

Stephens, Thomas M., to The Dalton Foundries, Inc. Closure operator. 3,287,618, 11–22–66, Cl. 318—267.

Stephens, William T., to Borg-Warner Corp. Control valve for swinging a boom. 3,270,622, 9–6–66, Cl. 91—186.

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Stephenson, Donald K., to Outboard Marine Corp. Slot type reed valve. 3,286,728, 11–22–66, Cl. 137—525.3.

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Stephenson, Lee P., and W. W. Klein, to Chevron Research Co. Ergodic signal picking. 3,273,114, 9–13–66, Cl. 340—15.5.

Stephenson, Lloyd G. Anchor plate for posts. 3,245,181, 4–12–66, Cl. 52—122.

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Stephenson, Robert J., to Monsanto Chemicals Ltd. Production of unsaturated ethers. 3,250,814, 5–10–66, Cl. 260—615.

Stephenson, Robert J., to Monsanto Chemicals Ltd. Substituted allyl ethers. 3,271,461, 9–6–66, Cl. 260—614.

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Stephenson, William I., Jr., and E. J. Walker, to Westinghouse Electric Corp. Circuit-breaker with improved armature adjustment means and armature pivot means. 3,260,822, 7–12–66, Cl. 200—88.

Stephenson, William M., to Nalco Chemical Co. Method of improving the efficiency of vacuum and flotation type white water recovery systems using an acrylamide terpolymer. 3,256,141, 6–14–66, Cl. 162—190.

Stepleton, Kenneth F., to Dual Jet Refrigeration Co. Display means for refrigerated cabinets. 3,256,709, 6–21–66, Cl. 62—256.

Stepniak, Walter J. Baby diaper fastener. 3,259,916, 7–12–66, Cl. 2—323.

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Steppan, Hartmut, A. Rebenstock, W. Neugebauer, to Azoplate Corp. Copying material for the photomechanical production of printing plates especially planographic and offset printing plates. 3,236,646, 2–22–66, Cl. 96—33.

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Sterling, George B., to The Dow Chemical Co. Copolymers of 3,3,3-trifluoro-2-trifluoromethyl propene and vinyl monomers. 3,240,757, 3–15–66, Cl. 260—63.

Sterling, George B., to The Dow Chemical Co. Phenyl derivatives of 4,4'-bis(mercaptomethyl)diphenyl oxide. 3,268,592, 8–23–66, Cl. 260—609.

Sterling, George B., to The Dow Chemical Co. 2-Propynyl 3-nitro-4-(2-propynyloxy) benzoate. 3,288,837, 11–29–66, Cl. 260—473.

Sterling, George B., and C. E. Pawloski, to The Dow Chemical Co. 2-methyl-1,3-dioxa-2-sila-cyclohept-5-ene. 3,256,308, 6–14–66, Cl. 260—448.8.

Sterling George B., and C. E. Pawloski, to The Dow Chemical Co. Propynyl derivatives for substituted amino benzene sulfonamides. 3,267,140, 8–16–66, Cl. 260—556.

Sterling, George B., and C. E. Pawloski, to The Dow Chemical Co. 2-propynyl ester of substituted (2-propynyloxy)-benzoic acids. 3,288,834, 11–29–66, Cl. 260—470.

Sterling, George B., and C. E. Pawloski, to The Dow Chemical Co. Benzoic acid esters. 3,288,836, 11–29–66, Cl. 260—473.

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Sterling, Richard J., and C. V. Smith. Inboard propulsion and steering means. 3,266,454, 8–16–66, Cl. 115—35.

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Sterman, Samuel, to Union Carbide Corp. Binding aid for gold trim on glass. 3,290,168, 12–6–66, Cl. 117—71.

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Stern, Arnold S. Electrical conductor with adhesive backing. 3,253,085, 5–24–66, Cl. 174—117.

Stern, Bengt E. Apparatus for degassifying a liquid. 3,274,756, 9–27–66, Cl. 55—182.

Stern, Charles J., Jr., and E. G. Budnick, to Plains Chemical Development Co. Organophosphorus-vanadium compounds and methods for preparing and using the same. 3,290,342, 12–6–66, Cl. 260—429.

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Stern, David R., and F. J. Weck, to American Potash & Chemical Corp. Biologically toxic compositions containing boron-phenol complexes and methods. 3,266,981, 8–16–66, Cl. 167—30.

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Stern, Ernest, to Microwave Chemicals Laboratory, Inc. Multi-stable phase shifters for microwaves employing plurality of high remanent magnetization materials. 3,277,401, 10–4–66, Cl. 333—24.1.

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Stern, Milton, to Union Carbide Corp. Corrosion-resistant alloys. 3,246,980, 4–19–66, Cl. 75—134.

Stern, Morton, to Motorola, Inc. Peak-to-peak A.C. signal measuring system using two complementary transistors having capacitor output means and a common input to derive proportional positive and negative peak voltages. 3,295,060, 12–27–66, Cl. 324—103.

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Stern, Robert K., to Computer Systems, Inc. Dynamic storage analog computer. 3,231,729, 1–25–66, Cl. 235—183.

Stern, Robert K. and M. N. Perpetual calendar. 3,242,602, 3–29–66, Cl. 40—109.

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Stern, Robert M. Composition for and method of treating water. 3,279,980, 10–18–66, Cl. 167—22.

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Sterzer, Fred, to United States of America, Navy. Solid state microwave amplifier with power source of same frequency as input. 3,230,390, 1–18–66, Cl. 307—88.5.

Sterzer, Fred, to United States of America, Army. Low impedance coupled transmission line and solid state tunnel diode structure. 3,274,459, 9–20–66, Cl. 317—234.

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Powers, Robert A., Allenson, and Stewart. 3,255,045.

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Stewart, Claude. Control mechanism for stuffing sausage in casings. 3,253,298, 5–31–66, Cl. 17—41.

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Kehl, William L., and Stewart. 3,264,062.
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Stickle, Cole A., to Stickle Steam Specialties Co., Inc. Pressure controller with push button set means. 3,234,956, 2–15–66, Cl. 137—116.5.

Stickle, Cole A., to Stickle Steam Specialties Co., Inc. Drying system for paper-making machinery and the like. 3,263,344, 8–2–66, Cl. 34—116.
Stickle Steam Specialties Co., Inc.: *See*—
Stickle, Cole A. 3,234,956.
Stickle, Cole A. 3,263,344.
Stickler, Larry L.: *See*—
Mazure, Alexander, Ruocchio, Stickler, Tate, and Van Gieson. 3,292,555.
Stickley, Edward S., and E. Griffith, to Grain Products, Inc. Cold water dispersible cereal products and process for their manufacture. 3,251,702, 5–17–66, Cl. 106—122.
Stickney, Fernald S., and E. B. Price, to Instrument Specialties Co., Inc. Shielding gaskets with fastening means. 3,277,230, 10–4–66, Cl. 174—35.
Stickney, Joseph B., C. E. Lemmermann, C. E. Herring, and R. W. Carlson, to Picker X-Ray Corp., Waite Mfg. Div., Inc. Scintillation scanner. Re. 26,014, 5–3–66, Cl. 250—71.5.
Stickney, Palmer B.: *See*—
Jones, Faber B., Stickney, and Gynn. 3,268,625.
Stidham, Joseph P., to Hercules Inc. Dispersants used in the preparation of hydroxyethyl cellulose. 3,287,353, 11–22–66, Cl. 260—231.
Stieber, Ortwin. Infinitely variable speed power transmission, especially ball friction transmission. 3,272,025, 9–13–66, Cl. 74—198.
Stiefel, Alfred A.: *See*—
Arguin, Roger G., and Stiefel. 3,258,649.
Stiefel, Christian: *See*—
Eckhardt, Karl-Heinz, Stiefel, and Mahr. 3,252,430.
Eckhardt, Karl-Heinz, Stiefel, Stahn, and Blank. 3,283,926.
Stiefel, Harold A., Jr. Container actuated apparatus positioning capped stem within container and cap to fall thereon. 3,269,084, 8–30–66, Cl. 53—68.
Stiefel, John L., to Cleaver-Brooks Co. Gas burner nozzle. 3,279,705, 10–18–66, Cl. 239—490.
Stiefel, Rudy C., and H. D. Townsend, said Stiefel assor. to Radio Corp. of America and said Townsend assor. to Bell Telephone Laboratories, Inc. Digital crosspoint switch. 3,263,030, 7–26–66, Cl. 179—15.
Stiefel, Werner K.: *See*—
White, Cleveland J., Stiefel, and Ciufo. 3,278,383.
Stieg, Fred B. Method of forming a cellulose sponge. 3,261,704, 7–19–66, Cl. 106—122.
Stieg, William E., and J. A. Kardys, to Chas. Pfizer & Co., Inc. Process for preparing vitamin A fatty acid esters. 3,290,341, 12–6–66, Cl. 260—410.9.
Stiegler, George H., Jr., to United States of America, Air Force. Pressurized waveguide shut-off. 3,287,674, 11–22–66, Cl. 333—98.
Stiehl, Roy T., to E. I. du Pont de Nemours and Co. Method of finishing textile fabric prepared from polyester blend yarns, and resulting fabric. 3,272,587, 9–13–66, Cl. 8—115.7.
Stiel, Karl-Heinz, to G. Wagner. Cleaning device for drawing instruments and the like. 3,280,828, 10–25–66, Cl. 134—117.
Stielow, John H.: *See*—
Saeger, Gert. 3,263,601.
Stielper, Henry J.: *See*—
Randolph, Glenn W., Stielper, Ash, and Weaver. 3,232,128.
Stier, Henry W., to Willey's Carbide Tool Co. Indexable cutting inserts. 3,289,271, 12–6–66, Cl. 29—95.
Stier, Henry W., to Willey's Carbide Tool Co. Cutting tools with throw-away inserts. 3,289,272, 12–6–66, Cl. 29—96.
Stier, Kurt L. Swimming pool construction. 3,239,975, 3–15–66, Cl. 52—169.
Stier, Kurt L. Simming-pool wall panel truss-structures. 3,242,624, 3–29–66, Cl. 52—169.
Stierli, Robert F., and J. Becker, to W. R. Grace & Co. Polysulfide polymer sealing composition. 3,275,579, 9–27–66, Cl. 260—6.
Stierlin, Hans, to Kuhlapparate G.m.b.H. Oil space heaters utilizing pot type burners. 3,276,508, 10–4–66, Cl. 158—37.
Stievenart, Emile F., to Gevaert Photo-Producten N.V. Photographic copying apparatus stripping mechanism and method. 3,266,406, 8–16–66, Cl. 95—89.
Stievenart, Emile F., to Gevaert Photo-Producten N.V. Photographic copying apparatus stripping mechanism and method. 3,266,797, 8–16–66, Cl. 271—64.
Stievenart, Emiel F., and H. F. Deconinck, to Gevaert Photo-Producten N.V. Apparatus for use in diffusion transfer copying. 3,257,926, 6–28–66, Cl. 95—89.
Stifano, Vincent A., Jr.: *See*—
Klooz, Paul W., Kelly, and Stifano. 3,247,532.
Stifano, Vincent A., Jr. Educational and amusement device. 3,248,809, 5–3–66, Cl. 35—75.
Stiffel, Theophile A. Means for securing a light reflector or light diffuser. 3,231,734, 1–25–66, Cl. 240—81.
Stifle, John E.: *See*—
Kopek, William J., and Stifle. 3,247,397.
Stift, Edward. Automotive safety units. 3,283,166, 11–1–66, Cl. 307—10.
Stiglich, Martin J.: *See*—
Fadow, Paul D., and Stiglich. 3,279,814.
Stihl, Andreas: *See*—
Drebes, Armin. 3,227,146.
Ratz, Adolf, and Stihl. 3,292,670.
Stijntjes, Gerardus J. F.: *See*—
Van Zijll Langhout, Wouter C., Van't Spijker, and Stijntjes. 3,234,298.
Stijntjes, Theodorus G. W.: *See*—
Van Gils, Cornelis L. M., Stijntjes, and Van de Waterbeemd. 3,252,913.
Stikeleather, Robert M. Fin winding machines. 3,247,696, 4–26–66, Cl. 72—136.
Stikkers, Alexander P.: *See*—
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Stile-Craft Manufacturers, Inc.: *See*—
Cranage, Bidwell C. 3,288,165.
Cranage, Bidwell C. 3,291,442.
Stiles, Alvin B.: *See*—
Howk, Benjamin W., and Stiles. 3,228,746.
Stiles, Alvin B., to E. I. du Pont de Nemours and Co. Mangano-chromia-manganite catalyst composition containing alkali metal and alkaline earth metal manganates. 3,228,893, 1–11–66, Cl. 252—465.
Stiles, Alvin B., to E. I. du Pont de Nemours and Co. Method of treating exhaust gases of internal combustion engines. 3,230,034, 1–18–66, Cl. 23—2.
Stiles, Alvin B., to E. I. du Pont de Nemours and Co. Method of preparing a catalyst composition consisting of manganese oxide-coated alumina with nickel or cobalt chromites and the product thereof. 3,230,182, 1–18–66, Cl. 252—465.
Stiles, Alvin B., to E. I. du Pont de Nemours and Co. Mangano-chromia-manganite catalyst containing chromates. 3,236,783, 2–22–66, Cl. 252—465.
Stiles, Alvin B., to E. I. du Pont de Nemours and Co. Method of preparing a catalyst composition consisting of ruthenium on eta-alumina and the product thereof. 3,244,644, 4–5–66, Cl. 252—466.
Stiles, Alvin B., to E. I. du Pont de Nemours and Co. Method of treating automobile exhaust gases. 3,257,163, 6–21–66, Cl. 23—2.
Stiles, Alvin B., to E. I. du Pont de Nemours and Co. Method and apparatus for treating exhaust gases of internal combustion engines. 3,259,453, 7–5–66, Cl. 23—2.
Stiles, Alvin B., to E. I. du Pont de Nemours and Co. Mixtures of mangano-chromia-manganite catalysts. 3,265,637, 8–9–66, Cl. 252—465.
Stiles, Alvin B., to E. I. du Pont de Nemours and Co. Self-cleaning cooking apparatus. 3,266,477, 8–16–66, Cl. 126—19.
Stiles, Alvin B., to E. I. du Pont de Nemours and Co. Catalytic surface. 3,271,322, 9–6–66, Cl. 252—428.
Stiles, Alvin B., to E. I. du Pont de Nemours and Co. Catalyst composition comprising mangano-chromia-manganite and a chromate. 3,272,759, 9–13–66, Cl. 252—465.
Stiles, Alvin B., to E. I. du Pont de Nemours and Co. Intermittent water vapor addition during formaldehyde synthesis. 3,272,868, 9–13–66, Cl. 260—603.
Stiles, John C.: *See*—
Parker, Bernard, Stiles, and Weisbord. 3,283,594.
Riordan, Hugh E., and Stiles. 3,293,921.
Southworth, Hamilton Jr., and Stiles. 3,269,192.
Stiles, John C., to General Precision Inc. Force balance accelerometer. 3,229,531, 1–18–66, Cl. 73—517.
Stiles-Kem Sales Corp.: *See*—
Cianfione, Frank A., Jr. 3,266,870.
Stiles, Morrison N.: *See*—
Galer, Merrill F., and Stiles. 3,273,536.
Stiles, Vernon E.: *See*—
Schaeffer, William D., and Stiles. 3,244,759.
Stiles, Vernon E., to Union Oil Co. of California. Hydrogen zeolite Y having improved hydrothermal stability. 3,287,282, 11–22–66, Cl. 252—455.
Stilex Printing Ltd.: *See*—
Bayliss, Robert V. 3,256,008.
Stilh, Andreas: *See*—
Ratz, Adolf, and Stihl. 3,292,670.
Still, Carl, Firma: *See*—
Fritzsche, Helmut, Kroger, and Stein. 3,235,607.
Still, Conway L., and E. E. Byrd, to Greenwood Mills. Method and means for grinding card flats. 3,228,149, 1–11–66, Cl. 51—243.
Still-Man Mfg. Corp.: *See*—
Altman, Bernard, and Stiller. 3,235,710.
Still, Paul F., and L. O. Brownson, to Lockheed Aircraft Corp. Electrical connector protector. 3,258,731, 6–28–66, Cl. 339—36.
Stiller, Leonard, to Lasco Industries, Inc. Ice maker with water precooling coil. 3,248,898, 5–3–66, Cl. 62—354.
Stiller, Leonard A., to Lasco Industries, Inc. Salt water ice making machine having cleaning pin. 3,290,896, 12–13–66, Cl. 62—320.
Stiller, Paul: *See*—
Altman, Bernard, and Stiller. 3,235,710.
Stilley, George W., and G. R. Nelson, to Pittsburgh Plate Glass Co. Thermal reservoir type work support. 3,250,246, 5–10–66, Cl. 118—58.
Stilley, George W., and J. H. Cypher, to Pittsburgh Plate Glass Co. Method of tempering glass sheets supported on a bending mold. 3,264,078, 8–2–66, Cl. 65—25.
Stilley, George W., and H. E. McKelvey, to Pittsburgh Plate Glass Co. Method of heating glass sheets. 3,293,021, 12–20–66, Cl. 65—111.
Stilley, Herschel H.: *See*—
Roe, Charles C. 3,280,400.
Roe, Charles C. 3,280,928.
Roe, Charles C. 3,290,574.

Stillmaker, Richard B., to General Electric Co. Thermocouple connector. 3,249,906, 5–3–66, Cl. 339—91.

Stillman, Nathan, G. R. van Koersel, and C. E. Lindroos, to Rap Industries Inc. Packaging sheet material. 3,285,-497, 11–15–66, Cl. 229—55.

Stillman, Stephen L., Jr., to Woods Hole Oceanographic Institution. Mechanical fastener for electrical cables with an insert having mutually conforming undulant surfaces. 3,294,894, 12–27–66, Cl. 174—79.

Stillwagon, Crawford K., to Keystone Valve Corp. Butterfly valve having reinforced seat structure. 3,233,861, 2–8–66, Cl. 251—148.

Stillwagon, Crawford K., to Keystone Valve Corp. Butterfly valve seat construction. 3,253,815, 5–31–66, Cl. 251—148.

Stillwagon, George B., Jr., to Gardner-Denver Co. Driver for recessed head fasteners. 3,234,982, 2–15–66, Cl. 145—50.

Stillwagon, George B., Jr., to Gardner-Denver Co. Tool bit and holder assembly. 3,239,233, 3–8–66, Cl. 279—99.

Stillwagon, George B., Jr., and J. M. Raby, to Gardner-Denver Co. Magnetic tool. 3,253,626, 5–31–66, Cl. 145—50.

Stillwell, Peter F. T. C.: *See*—
Starr, Arthur T., Pelton, and Stillwell. 3,243,593.

Stilwell, Dan W., to Rexall Drug and Chemical Co. Sampling device. 3,260,120, 7–12–66, Cl. 73—422.

Stilwell, Neil C. Construction for water softener. 3,244,197, 4–5–66, Cl. 137—592.

Stilwell, Neil C. Tank liner construction. 3,247,999, 4–26–66, Cl. 220—63.

Stilz, Walter: *See*—
Pommer, Horst, Stilz, Hantge, and Rosenkranz. 3,294,570.

Stilz, Walter, H. Pommer, E. Wolff, and H. Fessmann, to Badische Anilin & Soda-Fabrik Aktiengesellschaft. Resins homogeneously brightened with bis-styrylbenzenes. 3,271,-321, 9–6–66, Cl. 252—301.2.

Stimler, Morton: *See*—
Granthan, Rodney E., and Stimler. 3,228,337.

Stimler, Morton. Progressive saturation magnetic amplifier. 3,246,234, 4–12–66, Cl. 323—6.

Stimler, Morton, to United States of America, Navy. Photoflash optical pumping circuit. 3,274,440, 9–20–66, Cl. 315—239.

Stimmel, Vincent W., to Square D Co. Control system for punch presses and similar machines. 3,249,820, 5–3–66, Cl. 317—123.

Stimpson, James W.: *See*—
O'Neill, William A., Stimpson, and Mather. 3,238,163.

Stimson, Allen G., to Eastman Kodak Co. Photographic exposure measuring device. 3,232,192, 2–1–66, Cl. 95—10.

Stimson, Allen G., to Eastman Kodak Co. Camera battery test indicator. 3,232,193, 2–1–66, Cl. 95—10.

Stimson, Allen G., to Eastman Kodak Co. Use of photoconductive cell as attenuator. 3,282,179, 11–1–66, Cl. 95—10.

Stimson, Allen G., to Eastman Kodak Co. Camera photocell with movable lens for maintaining a relatively constant vertical field angle as the camera is rotated. 3,291,996, 12–13–66, Cl. 250—234.

Stimson, Allen G., and R. E. Unterborn, to Eastman Kodak Co. Camera battery test indicator. 3,227,057, 1–4–66, Cl. 95—10.

Stimson, Homer J., ⅓ each to R. F. Patterson and D. Kahle. Anchoring structure. 3,263,641, 8–2–66, Cl. 114—206.

Stimson, Ronald M., and G. R. Van Norman, to Eastman Kodak Co. Lithographic image lacquer. 3,276,360, 10–4–66, Cl. 101—149.2.

Stin, Robert G., and H. G. Schoepke, to Abbott Laboratories. Substituted pyrazolylthioacetic acids and esters thereof. 3,282,954, 11–1–66, Cl. 260—310.

Stine, Billy L., to North American Aviation, Inc. Microwave monopulse simulation apparatus. 3,229,289, 1–11–66, Cl. 343—17.7.

Stine, Carl A. Adjustable tray and mounting therefor. 3,278,225, 10–11–66, Cl. 297—148.

Stine, Forrest D., to Phillips Petroleum Co. Automatic feed forward and feed backward process control system. 3,227,-631, 1–4–66, Cl. 203—3.

Stine, Laurence O., and H. W. Bergendorf, to Universal Oil Products Co. Method and means for controlling particle circulation rate in a dilute phase processing system. 3,231,326, 1–25–66, Cl. 23—1.

Stine, Laurence O., L. C. Hardison, and A. G. Lickus, to Universal Oil Products Co. Fluid-solid contacting process. 3,231,492, 1–25–66, Cl. 210—24.

Stine, Paul T. Automatic frequency deviation control system for subcarrier oscillator. 3,290,667, 12–6–66, Cl. 340—184.

Stine, William H., Jr., and I. G. Epstein, to E. I. du Pont de Nemours and Co. Polymeric staple fiber blend containing weakened polyamide fibers. 3,293,110, 12–20–66, Cl. 161—169.

Stinebaugh, Donald E., to El Don Corp. Supercharging engine. 3,288,123, 11–29–66, Cl. 123—57.

Stingley, Norman H., to Wham-O Mfg. Co. Highly resilient polybutadiene ball. 3,241,834, 3–22–66, Cl. 273—58.

Stinson, Herman B., Jr., to Chicago Musical Instrument Co. Musical instrument. 3,247,310, 4–19–66, Cl. 84—1.17.

Stinson, John M., and H. C. Mann, Jr., to Tennessee Valley Authority. Incorporation of micronutrients in fertilizers. 3,244,500, 4–5–66, Cl. 71—1.

Stipanovic, Joseph G., and F. R. Rackl, to Westinghouse Air Brake Co. Brake cylinder assembly with continuously acting slack adjuster. 3,275,104, 9–27–66, Cl. 188—196.

Stirgwolt, T Floyd: *See*—
Hemsworth, Martin C., and Stirgwolt. 3,267,673.

Stirling, James. Apparatus for making rope strand or yarn. 3,251,178, 5–17–66, Cl. 57—15.

Stirling, John E.: *See*—
Horton, John P., Berry, and Stirling. 3,228,053.

Stirn, Howard F., to Preformed Line Products Co. Protective appliance for suspended linear bodies. 3,251,161, 5–17–66, Cl. 52—147.

Stirton, Alexander J.: *See*—
Maure, Elmer E., Stirton, and Weil. 3,291,750.
Weil, James K., Stirton, Smith, and Bistline. 3,228,980.

Stirton, Alexander J., F. D. Smith, and J. K. Weil, to United States of America, Agriculture. 2-sulfoalkyl sulfates and method of preparation. 3,230,244, 1–18–66, Cl. 260—458.

Stirton, Alexander J., F. D. Smith, and J. K. Weil, to United States of America, Agriculture. Preparation of 1-hydroxy-2-alkanesulfonates. 3,230,250, 1–18–66, Cl. 260—513.

Stitch, Inc.: *See*—
Matthews, John, and Iacovazzi. 3,252,725.

Stiteler, Charles H., to United States Rubber Co. N-para-hydroxyphenylmaleimide and processes for its production. 3,265,708, 8–9–66, Cl. 260—326.5.

Stites, Francis H.: *See*—
Kearns, Robert F., and Stites. 3,289,117.

Stites, Joseph G., Jr.: *See*—
Lyon, John E., Parks, and Stites. 3,266,960.

Stitt, Robert L. Breakwater. 3,276,210, 10–4–66, Cl. 61—5.

Stitzel-Weller Distillery: *See*—
Wright, Marguerite M. 3,257,068.

Stivers, Edward C.: *See*—
Lanza, Vincent L., and Stivers. 3,269,862.

Stixrud, Thomas E., to United States of America, Navy. Deep water buoyancy apparatus. 3,276,049, 10–4–66, Cl. 9—8.

Stobaugh, Graham E. Automatic volume control for stringed musical instruments. 3,290,425, 12–6–66, Cl. 84—1.16.

Stobbe, Richard E., to Kearney & Trecker Corp. Presettable control system. 3,259,957, 7–12–66, Cl. 29—26.

Stobbe, Richard E., and F. Zankl, to Kearney & Trecker Corp. Transmission with automatic meshing control. 3,273,413, 9–20–66, Cl. 74—346.

Stobel, Albert F.: *See*—
Catino, Sigmund C., and Stobel. 3,287,358.

Stober, Wilhelm. Unitary, flexible spacers for concrete reinforcement. 3,292,335, 12–20–66, Cl. 52—677.

Stobierski, Michael J. Wire coating. 3,238,059, 3–1–66, Cl. 117—102.

Stochel, Nathan H., to Bell Telephone Laboratories Inc. Data signal storage circuit. 3,292,156, 12–13–66, Cl. 340—172.5.

Stock, Arthur J., to Stock Equipment Co. Under-bunker conveyor. 3,272,314, 9–13–66, Cl. 198—159.

Stock, Arthur J. Calibrating means for radioactive test apparatus which tests fluent material moving through a conduit. 3,291,981, 12–13–66, Cl. 250—43.5.

Stock, Arthur J., K. E. Smith, and C. A. Crabiel. Portable cleaning apparatus. 3,232,482, 2–1–66, Cl. 222—4.

Stock, D. J., AB: *See*—
Holm, Sune E., and Eklund. 3,265,100.

Stock, Donald F.: *See*—
Wishon, Berhl E., and Stock. 3,241,989.

Stock, Donald F., B. E. Wishon, and J. A. Pierce, to Harbison-Walker Refractories Co. Refractory brick. 3,227,568, 1–4–66, Cl. 106—67.

Stock Equipment Co.: *See*—
Stock, Arthur J. 3,272,314.

Stock, Hans J.: *See*—
Schmidt, Richard and Stock. 3,274,802.
Schmidt, Richard, and Stock. 3,294,328.

Stock, Rolf, to Maschinenfabrik Benninger A.-G. Warping machine with a plurality of brakes for braking a warp beam, contact roller and measuring roller. 3,253,316, 5–31–66, Cl. 28—35.

Stock, Werner, to Union Carbide Corp. Method of preparing and packaging a poultry meat roll. 3,268,343, 8–23–66, Cl. 99—174.

Stockard, Ben B., Jr., to Wysong & Miles Co. Control means for fluid actuated metal working machines. 3,255,655, 6–14–66, Cl. 83—554.

Stockard, Ben B., Jr., to Wysong & Miles Co. Metal working machines. 3,263,541, 8–2–66, Cl. 83—197.

Stockburger, George J., L. W. Wright, and J. D. Brandner, to Atlas Chemical Industries, Inc. Polyethers of lactositol and polyurethane compositions therefrom. 3,234,151, 2–8–66, Cl. 260—2.5.

Stockdale Engineering Ltd.: *See*—
Balfour, Gerald P. 3,255,888.

Stockdale, George F.: *See*—
Layton, Margaret M., Randels, and Stockdale. 3,292,234.

Stockdale, Jerry L., to Xerox Corp. Plate for electrostatic electrophotography. 3,234,020, 2–8–66, Cl. 96—1.

Stockdale, Jerry L., to Xerox Corp. Plate for electrostatic electrophotography. 3,243,293, 3–29–66, Cl. 96—1.

Stockel, Albert, Jr.: *See*—
Ewing, John I., and Stockel. 3,274,608.

Stockel, Ivar H.: *See*—
Titchenal, Oliver R., Legg, Stockel, O'Neal, Wheeler, and Chalpin. 3,285,295.

Stockel, Ivar H., and O. R. Titchenal, to St. Regis Paper Co. Apparatus for packaging dry divided solid materials. 3,261,379, 7–19–66, Cl. 141—83.

Stockel, Ivar H., and O. R. Titchenal, to St. Regis Paper Co. Method for packaging dry divided solid materials. 3,269,-428, 8–30–66, Cl. 141—10.

Stöckel, Karl, to Bolkow Gesellschaft mit beschrankter Haftung. Rocket engine. 3,232,048, 2–1–66, Cl. 60—35.6.

Stocker, Arthur C., to Radio Corp. of America. Display systems. 3,284,663, 11–8–66, Cl. 315—22.

Stocker, Brian J.: *See*—
Hall, Raymond F., and Stocker. 3,283,195.

Stocker, Edward T., to Western Electric Co., Inc. Apparatus for forming and clinching connectors. 3,289,909, 12–6–66, Cl. 227—80.

Stocker, Gabrielle: *See*—
Eardley, Stephen, Stocker, and Long. 3,280,118.

Stocker, Lester H.: *See*—
Sather, Eugene, and Stocker. 3,271,022.

Stocker & Yale, Inc.: *See*—
Rieman, John H., and Cook. 3,233,949.

Stockett, Wiley T., Jr. Fluid pressure pump, or motor. 3,266,429, 8–16–66, Cl. 103—120.

Stocking, John C.: *See*—
Stocking, Stannard and J. C.. 3,239,856.

Stocking, Stannard and J. C. Boat construction. 3,239,856, 3–15–66, Cl. 9—6.

Stockland Road Machinery Co.: *See*—
Ricklick, Eugene A. 3,243,894.

Stocklund, Sven-Egon: *See*—
Fuglsang-Madsen, Erik, and Stocklund. 3,247,994.

Stockman, Harry E. Electric field motor. 3,233,157, 2–1–66, Cl. 318—116.

Stockman, Harry E. Tunnel diode electromechanical movement. 3,241,018, 3–15–66, Cl. 318—138.

Stockman, Harry E. Electromagnetic transduction utilizing radiant energy. 3,249,944, 5–3–66, Cl. 343—118.

Stockman, Robert J.: *See*—
McDonald, John O., and Stockman. 3,277,534.

Stockman, William C., to Wed Enterprises, Inc. Method of setting forms. 3,235,966, 2–22–66, Cl. 33—46.

Stockmann, Gunther: *See*—
Eichhorn, Rudolf, Von Reis, and Stockmann. 3,267,-569.

Stockmann, Paul, and E. Dozekal, to Pittler Maschinenfabrik Aktiengesellschaft. Shore-bed lathe with numerical positioning control. 3,282,138, 11–1–66, Cl. 82—14.

Stockton, Thomas R.: *See*—
General, Norman T., and Stockton. 3,237,482.

Stockton, Thomas R., to Ford Motor Co. Regenerative drive transmission. 3,250,150, 5–10–66, Cl. 74—688.

Stockton, Thomas R., to Ford Motor Co. Multiple speed ratio power transmission mechanism with hydrokinetic unit and two planetary gear units. 3,263,526, 8–2–66, Cl. 74—688.

Stockton, Thomas R., to Ford Motor Co. Multiple speed ratio power transmission mechanism having controllable hydrokinetic unit and two simple planetary gear units. 3,263,527, 8–2–66, Cl. 74—688.

Stockton, Thomas R., to Ford Motor Co. Combined engine starter and voltage generator system. 3,270,207, 8–30–66, Cl. 290—31.

Stockton, Thomas R., to Ford Motor Co. Centrifugal mass type governor. 3,275,010, 9–27–66, Cl. 137—53.

Stockton, Thomas R., to Ford Motor Co. Transmission. 3,277,744, 10–11–66, Cl. 74—677.

Stockton, Thomas R., to Ford Motor Co. Infinitely variable speed transmission. 3,293,945, 12–27–66, Cl. 74—740.

Stockton, Thomas R., and R. T. Lewicki, to Ford Motor Co. Centrifugal fluid pressure governor assembly. 3,265,081, 8–9–66, Cl. 137—54.

Stockwell, David P. Car rack for skis or the like. 3,227,-339, 1–4–66, Cl. 224—42.1.

Stockwell, Elmer L. Twisting control system for a tilling dump vehicle body. 3,262,740, 7–26–66, Cl. 298—22.

Stoddard, Edgar S., to General Electric Co. Apparatus for demineralizing raw water. 3,254,016, 5–31–66, Cl. 204—301.

Stoddard, Edgar S., Jr., to Universal Silencer Corp. Exhaust silencer and heat recovery unit. 3,280,903, 10–25–66, Cl. 165—135.

Stoddard, Ernest R., and S. N. Sutherland, to Consolidated Electronics Industries Corp. Low-torque stepper switch. 3,233,066, 2–1–66, Cl. 200—105.

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Stoddard, John E., to Pratt & Whitney Inc. Photosensitive measuring system which converts a physical to an electrical quantity. 3,253,153, 5–24–66, Cl. 250—237.

Stoddard, Robert K., and J. A. Cadwallader, to General Electric Co. Boring and facing tool. 3,228,265, 1–11–66, Cl. 77—58.

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Stoddart, Hugh F., J. B. Williams, R. Hindel, and C. A. Burnham, to Miles Laboratories, Inc. Radiation source measuring apparatus having automatic background subtract means. 3,246,150, 4–12–66, Cl. 250—71.5.

Stoddart, Hugh F., J. B. Williams, and R. Hindel, to Miles Laboratories, Inc. Apparatus and method for the determination of fluid volume by radioactive dilution techniques. 3,268,728, 8–23–66, Cl. 250—71.5.

Stoddart, Kenneth R., to Bestt Rollr Inc. Method of making a paint roller cover. 3,275,490, 9–27–66, Cl. 156—294.

Stoddart, Kenneth R., and J. N. Henderson, to Bestt Rollr Inc. Plastic roller body. 3,228,087, 1–11–66, Cl. 29—116.

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Stoeckly, Eugene E., to General Electric Co. Self-aligning mounting structure. 3,269,677, 8–30–66, Cl. 248—2.

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Stoever, Hans O., and G. S. Jones, to Eastman Kodak Co. Interlock switch mechanism for solution handling apparatus. 3,260,811, 7–12–66, Cl. 200—61.41.

Stofberg, Jan, B. van der Wal, and K. N. Nieuwland, to Polak's Frutal Works, Inc. Process for preparing polyalkyltetralins. 3,278,621, 10–11–66, Cl. 260—668.

Stofberg, Jan, B. van der Wal, and K. N. Nieuwland, to Polak's Frutal Works, Inc. Process for preparing polyalkylindans. 3,278,622, 10–11–66, Cl. 260—668.

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Stoffel, Hans F., to Stoffel Seals Corp. Medallion. 3,256,626, 6–21–66, Cl. 40—1.5.

Stoffel, Hans F., to Stoffel Seals Corp. Medallion clasp. 3,262,223, 7–26–66, Cl. 40—1.5.

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Stoffel, Paul J., to Monsanto Co. Thiazolidine-dione-thiones. 3,256,292, 6–14–66, Cl. 260—306.7.

Stoffel, Paul J., to Monsanto Co. 1-substituted triazolidinetriones and their preparation. 3,264,317, 8–2–66, Cl. 260—307.

Stoffel, Paul J., to Monsanto Co. Thiolcarbamate esters and method of preparation. 3,288,832, 11–29–66, Cl. 260—455.

Stoffel, Paul J., and D. J. Beaver, to Monsanto Co. Fungicidal nitro substituted alkyl oxo-lower alkylcarboxylates. 3,242,039, 3–22–66, Cl. 167—22.

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Stoffey, Donald G., R. C. Maxwell, A. D. Gutman, L. W. Fancher, and J. T. Hallett. Carbamyl phosphates. 3,242,-498, 3–22–66, Cl. 260—938.

Stoffey, Donald G., R. C. Maxwell, A. D. Gutman, L. W. Fancher, and J. T. Hallett, to Stauffer Chemical Co. Killing pests with applications of carbamyl phosphates. 3,294,-627, 12–27–66, Cl. 167—22.

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Stogryn, Eugene L., and A. J. Passannante, to Esso Research and Engineering Co. Preparation and polymerization of 1,2-divinyl ethylene oxide. 3,261,848, 7–19–66, Cl. 260—348.

Stogryn, Eugene L., and A. J. Passannante, to Esso Research and Engineering Co. Preparation and polymerization of 1,4-pentadiene monoxide. 3,261,874, 7–19–66, Cl. 260—615.

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Stoker, Carl B., Jr., to The Goodyear Tire & Rubber Co. Skin-package. 3,253,705, 5–31–66, Cl. 206—56.

Stoker, Carl B., Jr., to The Goodyear Tire & Rubber Co. Package. 3,253,708, 5–31–66, Cl. 206—80.

Stoker, Carl B., Jr., to The Goodyear Tire & Rubber Co. Packaging film. 3,267,635, 8–23–66, Cl. 53—30.

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Stolpe, John G., Sr. Paint can holder and brush rest. 3,291,517, 12–13–66, Cl. 294—31.

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Stoltz, Andries J. Means for collectively transferring a plurality of stacked articles. 3,278,055, 10–11–66, Cl. 214—77.

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Stoltzfus, John S. Support means for loose material distributors. 3,251,632, 5–17–66, Cl. 302—60.

Stolz, Karl, to Gesellschaft fur Linde's Eismaschinen Aktiengesellschaft. Hydrostatic drive. 3,279,173, 10–18–66, Cl. 60—53.

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Stone, Jack, to Ford Motor Co. Method for determining the corrosion resistance of anodized aluminum parts. 3,293,155, 12–20–66, Cl. 204—1.

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Stone, Joseph J., and W. J. Laben, to A. B. Dick Co. Facsimile printer. 3,249,089, 5–3–66, Cl. 118—637.

Stone, Joseph J., Jr., to A. B. Dick Co. Electrostatic writing tube. 3,234,561, 2–8–66, Cl. 346—74.

Stone, Joseph J., Jr., to A. B. Dick Co. Electrostatic printing system utilizing A.C. and D.C. bias. 3,247,517, 4–19–66, Cl. 346—74

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Stone, Leonard R., N. G. Muskovac, and J. E. Cook, to Republic Steel Corp. Nuclear radiation detecting means and transmission system connecting same to remote indicator means. 3,248,546, 4–26–66, Cl. 250—83.6.

Stone, Morris D., to United Engineering and Foundry Co. Method of and apparatus for processing metal strip. 3,250,105, 5–10–66, Cl. 72—240.

Stone, Orison W., to Developak, Inc. Dispensers for receptacles. 3,246,798, 4–19–66, Cl. 221—63.

Stone, Orison W., to Developak, Inc. Dispensing container for receptacles. 3,246,800, 4–19–66, Cl. 221—305.

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Stone, Ralph K., to United States Envelope Co. Mailing piece. 3,268,153, 8–23–66, Cl. 229—68.

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Stone, Richard L., and R. J. Bellatorre, to Wallace-Murray Corp. Double-walled vent pipe coupling. 3,272,537, 9–13–66, Cl. 285—187.

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Stone, Wayne B., Jr. Automobile elevating device for increasing the capacity of parking lots. 3,277,978, 10–11–66, Cl. 187—12.

Stone, William C. Automatically viscous sealed fluid amplifier. 3,270,766, 9–6–66, Cl. 137—246.22.

Stoneburner, Charles E. Wire clamp and holder. 3,246,076, 4–12–66, Cl. 174—157.

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Stookey, Stanley D., to Corning Glass Works. Semicrystalline ceramic bodies and method. 3,231,399, 1–25–66, Cl. 106—39.

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Stookey, Stanley D., to Corning Glass Works. Method of forming metallic films on glass. 3,249,467, 5–3–66, Cl. 117—212.

Stookey, Stanley D., to Corning Glass Works. Means for controlling the light transmission of a phototropic glass structure. 3,252,374, 5–24–66, Cl. 88—61.

Stookey, Stanley D., to Corning Glass Works. Method of forming a devitrified glass seal with tungsten or molybdenum. 3,268,315, 8–23–66, Cl. 65—33.

Stookey, Stanley D., and L. G. Sawchuk, to Corning Glass Works. Transparent devitrified strengthened glass article and method of making it. 3,282,770, 11–1–66, Cl. 161—1.

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Stopps, Alfred L., to Modern Handling Methods Ltd. Mounting structures. 3,255,656, 6–14–66, Cl. 83—685.

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Storch, Harold A., to Federal Screw Works. Thread connecting member. 3,229,999, 1–18–66, Cl. 287—60.

Storch, Harold A., to Federal Screw Works. Nut enclosed in plastic bearing member. 3,262,480, 7–26–66, Cl. 151—7.

Storch, Harold A., to Federal Screw Works. Threaded joint and seal therefor. 3,285,640, 11–15–66, Cl. 287—125.

Storchheim, Morris A. Ozone-generating fixture. 3,235,325, 2–15–66, Cl. 21—74.

Storchheim, Samuel, to Alloys Research & Mfg. Corp. Porous metallic bodies and fabrication methods therefor. 3,232,754, 2–1–66, Cl. 75—214.

Storchheim, Samuel, to Alloys Research & Mfg. Corp. Flash sintering. 3,294,530, 12–27–66, Cl. 75—214.

Storchheim, Samuel, and A. Cross, to Alloys Research & Mfg. Corp. Method for forging particles. 3,264,726, 8–9–66, Cl. 29—420.

Storck, Frederick H to A. O. Smith Corp. Laminated structure binding means. 3,253,171, 5–24–66, Cl. 310—217.

Stordahl, Calmer M., Jr. Animal watering device. 3,277,869, 10–11–66, Cl. 119—81.

Storer Broadcasting Co.: *See*—
Hull, William B. 3,251,935.

Storer, John E., Jr., H. Fackenthal, and R. J. Deal, to General Motors Corp. Transmission. 3,285,009, 11–15–66, Cl. 60—54.

Stork & Co.'s Apparatenfabriek N.V., Gebr.: *See*—
Van der Winden, Johannes B. 3,291,044.

Stork, Edward S.: *See*—
Jorgensen, Chester N., Stork, and Turner. 3,253,125.

Stork, Fritz, W. Wegner, and B. Bosch, to Telefunken Patentverwertungsgesellschaft m.b.H. Manufacture of tube elements. 3,282,762, 11–1–66, Cl. 156—253.

Stork, Gilbert: *See*—
Blumenthal, Jack H., Stork, and Theimer. 3,281,432.

Stork, Gilbert, to Syntex Corp. Method for the preparation of α-substituted organic carbonyl compounds. 3,230,216, 1–18–66, Cl. 260—239.55.

Storkan, Richard C.: *See*—
Gouker, Zelbert, and Storkan. Re. 26,077.

Storke, Frederic P., Jr., to I.E.R.C. Heat transfer measuring apparatus. 3,256,734, 6–21–66, Cl. 73—193.

Storm, Fred K.: *See*—
Smiley, Eldridge H., Storm, Boetcker, Herzog, Carlson, and Scott. 3,281,141.

Storm, Fred K., and E. H. Smiley, to Dresser Industries, Inc. Controller for use in gas lifting fluid from wells. 3,276,469, 10–4–66, Cl. 137—495.

Storm, Herbert F., to General Electric Co. Silicon controlled gate turn off switch circuit with load connected to interior junction. 3,243,602, 3–29–66, Cl. 307—88.5.

Storm Industries, Inc.: *See*—
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Storm, James C., J. O. Crooke, J. C. Estes, and J. E. Steele, to Bethlehem Steel Corp. Mobile Marine platform apparatus. 3,241,324, 3–22–66, Cl. 61—46.5.

Storm, John A., and W. T. Lind, Jr., to Storm Products Co. Method of providing a printing wheel for printing a code on insulated wire. 3,254,600, 6-7-66, Cl. 101—401.2.

Storm Products Co.: *See*—
Storm, John A., and Lind. 3,254,600.

Storms, Donald M.: *See*—
Davies, Henry K., and Storms. 3,290,017.

Storms, Frederick A., 50% to L. E. Storms. Rectractible instrument panel tray. 3,280,765, 10-25-66, Cl. 108—45.

Storms, Lucille E.: *See*—
Storms, Frederick A. 3,280,765.

Storrs, Charles D.: *See*—
Clark, Reginald F., and Storrs. 3,243,468.
Clark, Reginald F., and Storrs. 3,244,738.

Storrs, Charles D., and R. F. Clark, to Columbian Carbon Co. Methods of producing cyclic polyolefins. 3,247,269, 4-19-66, Cl. 260—666.

Storrs, Charles D., R. F. Clark, and H. G. Jackson, to Columbian Carbon Co. Catalyst and cyclooleﬁn production. 3,249,641, 5-3-66, Cl. 260—666.

Storti, Michael, to Rohm & Haas Co. Composite elastic yarn and the process therefor. 3,234,724, 2-15-66, Cl. 57—152.

Storti, Michael, to Rohm & Haas Co. Process for making elastic yarn. 3,234,725, 2-15-66, Cl. 57—163.

Storti, Michael, to Rohm & Haas Co. Method of making furniture. 3,249,984, 5-10-66, Cl. 29—91.1.

Storti, Michael, to Rohm & Haas Co. Stretchable tubular knit fabric of yarn coated with elastomer. 3,255,030, 6-7-66, Cl. 117—7.

Story, Milton. Head covering. 3,292,183, 12-20-66, Cl. 2—200.

Stoskopf, Cleve W.: *See*—
Zingg, Warren M., and Stoskopf. 3,256,181.

Stotler, Harold H.: *See*—
Boyum, Asmund, Stotler, and Keith. 3,282,830.
Keith, Percival C., Farakas, Stotler, and Volk. 3,288,590.

Stott, Albert M., to United States of America, Army. Ejection apparatus. 3,236,480, 2-22-66, Cl. 244—122.

Stott, Albert M., to United States of America, Army. Electrical pulse generator. 3,259,769, 7-5-66, Cl. 310—14.

Stott, Albert M., to United States of America, Army. Controlled recoil weapon. 3,270,618, 9-6-66, Cl. 89—43.

Stott, Charles K., to Armitage Ware Ltd. Flushing cistern and watercloset suite of the double trap type. 3,234,565, 2-15-66, Cl. 4—15.

Stott, Reginald W. Beer dispensing apparatus. 3,257,033, 6-21-66, Cl. 222—36.

Stott, Robert C. Bunker and spiral chute loading means. 3,278,054, 10-11-66, Cl. 214—17.

Stott, Ronald A.: *See*—
Frank, John N., and Stott. 3,268,309.

Stott, Thomas C. F., and M. J. Maina, to General Motors Corp. Gearshift mechanisms for change-speed gears. 3,264,893, 8-9-66, Cl. 74—477.

Stotz, Richard H. Heat transfer unit for space heater. 3,293,408, 12-20-66, Cl. 219—341.

Stotz, Robert H.: *See*—
Epperson, Harry A., Goldstein, Nicklas, and Stotz. 3,293,610.
Nicklas, James P., and Stotz. 3,291,910.

Stoudenheimer, Richard G., and J. C. Moor, to Radio Corp. of America. Image tube with truncated conical anode and a plurality of coaxial shield electrodes. 3,280,356, 10-18-66, Cl. 313—65.

Stouffer, Donald C., to Philco Corp. Drive system. 3,270,570, 9-6-66, Cl. 74—10.5.

Stouffer, Wilfred, to NuFold Corp. Folding door. 3,277,950, 10-11-66, Cl. 160—183.

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Vigneron, Claude C. E., and Stouffiet. 3,256,842.

Stout, Allison B., Jr., to Kennecott Copper Corp. Wind direction and velocity recording system. 3,286,521, 11-22-66, Cl. 73—189.

Stout, Allison B., Jr., to Kennecott Copper Corp. Method and apparatus for measuring the electrical conductivity of gas-impregnated liquids with shielded electrodes. 3,287,631, 11-22-66, Cl. 324—30.

Stout, Bill A., and R. E. Strohman, to Michigan State University. Grain threshing mechanism. 3,228,176, 1-11-66, Cl. 56—19.

Stout, Daniel M., to Whitmire Research Laboratories, Inc. Animal control. 3,292,578, 12-20-66, Cl. 119—1.

Stout, Edward L.: *See*—
Pinkerton, John W., and Stout. 3,292,723.

Stout, George P. Production line evaluation system. 3,242,320, 3-22-66, Cl. 235—92.

Stout, Gilbert T.: *See*—
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Stout, Grant E., and C. E. Francis. Portable infant shower-tub. 3,248,741, 5-3-66, Cl. 4—148.

Stout, La Verle K. Portable slurry batching plant. 3,257,032, 6-21-66, Cl. 222—26.

Stout, Rodney W.: *See*—
Morgan, George H., and Stout. 3,258,153.

Stout, Rolla J., to FMC Corp. Waste disposer. 3,236,462, 2-22-66, Cl. 241—60.

Stout, Virgil L., to General Electric Co. Gettering apparatus. 3,285,687, 11-15-66, Cl. 316—30.

Stout, Wylie A.: *See*—
Hardison, Wilbur T., and Stout. 3,227,985.

Stout, Wylie A., to Bourns, Inc. Gear adjusted variable resistor. 3,242,453, 3-22-66, Cl. 338—174.

Stover, Edward R., to General Electric Co. Method of forming a carbon body. 3,283,040, 11-1-66, Cl. 264—29.

Stover, Egbert C., to Flakice Corp. Refrigeration and particularly refrigerated ice storage means with automatic discharge mechanism. 3,241,333, 3-22-66, Cl. 62—336.

Stover, Harris A., to Collins Radio Co. A.D.F. receiver. 3,245,079, 4-5-66, Cl. 343—113.

Stover, Harris A., to Collins Radio Co. Digital omnirange system of higher accuracy than existing omnirange systems. 3,262,117, 7-19-66, Cl. 343—106.

Stover, Harris A., to Collins Radio Co. Means for measuring signal intensity without interrupting the received signal. 3,273,065, 9-13-66, Cl. 325—67.

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Hildebrandt, Frederick V., and Stover. 3,280,534.

Stover, Richard A., to Vermont Research Corp. Air bearing magnetic head mounting assembly. 3,276,003, 9-27-66, Cl. 340—174.1.

Stover, William A. *See*—
Baker, Richard W., Stover, and Veltman. 3,282,859.
Briggs, Warren S., Stover, and Henderson. 3,288,558.
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Stoviak, Thomas C.: *See*—
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Stow, Robin J. W. C., to International Harvester Co. Proportional flow dividers. 3,277,917, 10-11-66, Cl. 137—98.

Stowasser, George J., to Allis Chalmers Mfg. Co. Unitary building construction. 3,284,970, 11-15-66, Cl. 52—80.

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Stowell, Charles: *See*—
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Stowell, Philip A., to Burroughs Corp. Explosive marking and printing apparatus. 3,232,221, 2-1-66, Cl. 101—93.

Stowell, Philip A., to Burroughs Corp. Cryotron logic circuits having at least two interacting central elements and one path always superconducting. 3,255,362, 6-7-66, Cl. 307—88.5.

Stowell, Philip A., to Burroughs Corp. Electrostatic image fixing method employing ink and record medium having chemical similarity. 3,293,059, 12-20-66, Cl. 117—17.5.

Stoy, Thomas J., to Harbison-Walker Refractories Co. Refractory liner brick with tongue and compound groove for forming circular tapered furnace stack constructions. 3,269,070, 8-30-66, Cl. 52—249.

Stoye, Otto. Ignition system rotary distributor. 3,241,050, 3-15-66, Cl. 323—58.

Stoyle, Lewis E., Jr., and E. J. Hanus, to Merck & Co., Inc. Spray dried vitamin compositions and method of preparation. 3,293,132, 12-20-66, Cl. 167—82.

Straat, Matts V., to Atomenergi, Aktiebolaget. Boiling water-superheat nuclear reactor. 3,284,310, 11-8-66, Cl. 176—54.

Straba Handels-Aktiengesellschaft: *See*—
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Strach, Lothar. Jacquard machines. 3,236,264, 2-22-66, Cl. 139—59.

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Strachan, Kenneth L.: *See*—
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Strack, Theodore M. Platform-shield for tractor equipped with a power take-off and pivoted hitch linkage. 3,263,766, 8-2-66, Cl. 18—53.

Strader, Don S., to The Frank G. Hough Co. Hydraulic steering systems. 3,227,238, 1-4-66, Cl. 180—79.2.

Strader, Don S., to The Frank G. Hough Co. Controlled pressure by pass valve. 3,237,636, 3-1-66, Cl. 137—115.

Strader, George C., to Wham-O Mfg. Co. Formable sheet having pile fabric secured to both surfaces. 3,293,796, 12-27-66, Cl. 46—156.

Stradling, John H., to Proctor & Schwartz, Inc. Batch weigh feed apparatus. 3,258,164, 6-28-66, Cl. 222—56.

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Strain, Charles E., and O. L. Schram, to The Reliance Electric & Engineering Co. Brake disc and hub mounting means. 3,233,704, 2-8-66, Cl. 188—71.

Strain, Edwin H.: *See*—
Markowitz, Jerome, Nelson, and Strain. 3,248,470.

Straits, Ernest J., to Interlake Steel Corp. Modular furniture. 3,261,640, 7-19-66, Cl. 297—135.

Straits, Ernest J. Chair construction. 3,291,529, 12-13-66, Cl. 297—445.

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Weaver, Max A., Wallace, and Straley. 3,247,211.

Straley, James M., D. J. Wallace, and J. G. Fisher, to Eastman Kodak Co. 1,4-dihydroxy-2-aminoalkyl (thio or sulfonyl) anthraquinones. 3,236,843, 2-22-66, Cl. 260—247.1.

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Straley, James M., and D. J. Wallace, to Eastman Kodak Co. Acrylonitrile-vinyl chloride copolymer textile materials dyed with black cationic dyestuffs. 3,253,877, 5-31-66, Cl. 8—55.

Straley, James M., and D. J. Wallace, to Eastman Kodak Co. Phthaloylphenothiazine compounds and polyester materials colored therewith. 3,254,078, 5-31-66, Cl. 260—243.

Straley, James M., D. J. Wallace, and M. A. Weaver, to Eastman Kodak Co. N-beta-cyanoethyl-N-lower alkyl-alpha-cyano-cinnamonitrile, cinnamate and cinnamic acid amide compounds. 3,260,737, 7-12-66, Cl. 260—465.

Straley, James M., and D. J. Wallace, to Eastman Kodak Co. Polyester textile material dyed with 1-hydroxy-4-N-(2'-pyrrolidonyl-1) phenyl-amino anthraquinones. 3,279,880, 10-18-66, Cl. 8—39.

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Strand, Carl A. Laminated panels for building construction. 3,269,076, 8-30-66, Cl. 52—623.

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Strang, Peter M., B. G. Rightmire, and J. E. Vivian. Method and apparatus for carding fiber by fluid means. 3,228,067, 1-11-66, Cl. 19—66.

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Straschil, Heinrich K., and T. C. Lopez, to Engelhard Industries, Inc. Diffusion purification of gases. 3,238,704, 3-8-66, Cl. 55—158.

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Strasser, Arnold. Water heating furnace for gaseous or liquid fuels. 3,282,256, 11-1-66, Cl. 122—149.

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Straub, Frederick A. Method of making low friction spherical bearings. 3,268,983, 8–30–66, Cl. 29—149.5.

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Strauss, William, to Pennsalt Chemicals Corp. Stripper comb assembly. 3,277,522, 10–11–66, Cl. 18—2.

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Strommern, Lawrence A.: *See*—
Hall, Norris R., Ham, Hostetler, Hutchinson, and Strommern. 3,275,755.

Stromqvist, Karl B., to Electrolux, Aktiebolaget. Food heating and handling structure. 3,261,650, 7–19–66, Cl. 312—236.

Strong, Barry C.: *See*—
Bentley, William, Cozens, and Strong. 3,287,036.

Strong, Basil P., to Atwater-Strong Co. Multiple clutches with floating friction blocks. 3,289,800, 12–6–66, Cl. 192—49.

Strong Cobb Arner, Inc.: *See*—
Albrecht, Robert. 3,237,659.

Strong, Herbert M., to General Electric Co. Apparatus and method of controlling pressure. 3,292,997, 12–20–66, Cl. 23—209.2.

Strong, John D., and A. M. Lupinski, to Electronic Associates Inc. Analog storage device. 3,247,487, 4–19–66, Cl. 340—172.5.

Strong, John W.: *See*—
Kemp, David C. S., and Strong. 3,294,276.

Strong, Roger K., to Honeywell Inc. Polarographic cell with membrane cleaning means. 3,275,541, 9–27–66, Cl. 204—195.

Strong Trailer & Supply Co., Inc.: *See*—
Henry, Doyle G. 3,239,234.

Strong, William W., to Tektronix, Inc. Mounting device for transistor socket and other components. 3,227,992, 1–4–66, Cl. 339—126.

Strongin, Ned, Associates, Inc.: *See*—
Convertine, Frank. 3,250,531.

Stroop, John H., to Crompton & Knowles Corp. Strip packaging machines. 3,237,369, 3–1–66, Cl. 53—180.

Strother, George W., Jr., to Navionics, Inc. Scanning device. 3,259,738, 7–5–66, Cl. 240—61.9.

Stroud, Charles E., to Pittsburgh Plate Glass Co. Manufacture of multiple glazing units. 3,281,298, 10–25–66, Cl. 156—109.

Stroud, Charles E., H. C. Cerutti, and T. K. Hughes, to Pittsburgh Plate Glass Co. Multiple glazing unit. 3,280,-523, 10–25–66, Cl. 52—172.

Stroud, Delbert E., Jr., A. B. Havens, and K. D. Hankinson, to Owens-Corning Fiberglas Corp. Apparatus for severing a liquid stream. 3,239,327, 3–8–66, Cl. 65—334.

Stroud, Edward A., III: *See*—
Poterack, James L., Mefford, and Stroud. 3,267,466.

Stroud, Jackson S., to Corning Glass Works. Phototropic glass composition. 3,255,026, 6–7–66, Cl. 106—52.

Stroud, Roger C., and H. J. Hesson, to Leeds and Northrup Co. Thermocouple assembly. 3,281,518, 10–25–66, Cl. 73—359.

Stroukoff, Oleg, to Piasecki Aircraft Corp. Directional control assembly. 3,260,482, 7–12–66, Cl. 244—51.

Stroup, John D.: *See*—
Felix, Leroy D., and Stroup. 3,279,184.

Stroup, Kenneth E., and R. M. Handlewich, to United Aircraft Corp. Self-regulating liquid removal system. 3,240,-003, 3–15–66, Cl. 55—408.

Strout, Basil A. Shoe rack positioning devices. 3,252,584, 5–24–66, Cl. 211—176.

Strout, Raymond D.: *See*—
Fisher, Andrew J., Jr., and Strout. 3,256,915.

Strout, Raymond D., A. J. Fisher, Jr., and P. Wasmiller, Jr., to Saginaw Wire Products, Inc. Seat construction particularly for tractors and like vehicles. 3,247,530, 4–26–66, Cl. 5—348.

Strout, Russell B., to Lowry Development Corp. Portable tube end cutting tool. 3,228,268, 1–11–66, Cl. 77—73.

Strouth, Robert L., to The Lau Blower Co. Exhaust structure. 3,250,206, 5–10–66. Cl. 98—119.

Strube, Richard E., to The Upjohn Co. Process for preparing dibenzodiazepinone compounds. 3,291,790, 12–13–66, Cl. 260—239.3.

Strube, Wilbur E.: *See*—
Bullard, John K., Gilbertson, and Strube. 3,282,096.

Struben, Francis L., ½ to J. C. Struben. Screen room for awning. 3,241,273, 3–22–66, Cl. 52—63.

Struben, Jean C.: *See*—
Struben, Francis L. 3,241,273.

Struble, Arthur D., Jr. Balloon tether cable. 3,227,398, 1–4–66, Cl. 244—1.

Struble, Arthur D., Jr. Passive communications satellite. 3,277,479, 10–4–66, Cl. 343—18.

Struble, Glenn E., to Diamond International Corp. Dispensing carton and blank for producing the same. 3,233,795, 2–8–66, Cl. 222—456.

Strubler, Gordon. Electrostatic agglomerator having an improved discharge electrode structure. 3,257,779, 6–28–66, Cl. 55—123.

Struby, William D. Combination valve and gauge. 3,230,-968, 1–25–66, Cl. 137—227.

Struck, Robert T.: *See*—
Gorin, Everett, Struck, and Zielke. 3,232,861.

Structo Mfg. Co.: *See*—
Cremer, Robert L. 3,247,827.

Structural Clay Products Institute: *See*—
Monk, Clarence B., and Hubbard. 3,248,836.

Structural Fibers, Inc.: *See*—
Brussee, Richard C. 3,282,757.
Hulak, William M. 3,239,116.

Structural Products, Inc.: *See*—
Hinrichs, Carl B., and Lane. 3,228,646.
Hinrichs, Carl B., and Whitney. 3,288,418.

Strudwick, Dorothy M.: *See*—
Strudwick, Edward O. 3,257,940.

Strudwick, Edward O., deceased (D. M. Strudwick, administratrix). Dampening system for lithographic offset printing presses. 3,257,940, 6–28–66, Cl. 101—148.

Strufe, Reimer: *See*—
Johannis, Jurgen, Schraufstatter, Strufe, Gonnert, and Stendel. 3,227,718.

Struger, Odo J.: *See*—
Matthias, Lynn H., and Struger. 3,240,951.

Struijs, Louis C.: *See*—
Gribnau, Franciscus, Van Berkum, and Struijs. 3,279,-979.

Strull, Gene: *See*—
Biuliano, Michael N., and Strull. 3,284,639.

Strum, Ruger and Co., Inc.: *See*—
Sefried, Harry H., II. 3,240,121.

Strunck, H., & Co. Maschinenfabrik: *See*—
Pechmann, Wilhelm. 3,247,044.

Strunk, Benjamin: *See*—
Lasch, William H., and Strunk. 3,247,433.

Strunk, Benjamin, W. H. Lasch, and D. H. Blauvelt, to The Bendix Corp. Sampled-data servo with stabilizing inner loop. 3,245,073, 4–5–66. Cl. 340—347.

Struntz, Bernard J. Baseball spike guard. 3,283,424, 11–8–66, Cl. 36—7.5.

Struthers Scientific and International Corp.: *See*—
Ganiaris, Neophytos. 3,283,522.
Ghormley, Edward L., and Stephens. 3,227,649.
Hedrick, Robert H. 3,277,667.
Klingel, John B. 3,275,724.
Svanoe, Hans. 3,266,264.
Svanoe, Hans. 3,285,021.
Svanoe, Hans. 3,285,026.
Swiger, William F. 3,279,200.

Strutin, David A., to Chrysler Aluminum, Inc. Temporary securing means for prehung doors. 3,250,039, 5–10–66, Cl. 49—380.

Strutt, Maximilian J. O., to Pretema A.G. Method and apparatus for automatic recording of the spectrum of light-emitting objects. 3,235,798, 2–15–66, Cl. 324—77.

Strutz, Carl, & Co., Inc.: *See*—
Rudolph, Rome R., C. Strutz, Jr., and F. C. Strutz. 3,253,538.
Rudolph, Rome R., C. Struts, Jr., and F. C. Strutz. 3,264,980.
Rudolph, Rome R., C. Strutz, Jr., and F. C. Strutz. 3,272,349.

Strutz, Carl, Jr.: *See*—
Rudolph, Rome R., C. Struts, Jr. and F. C. Strutz. 3,251,-298.
Rudolph, Rome R., C. Struts, Jr., and F. C. Strutz. 3,253,538.
Rudolph, Rome R., C. Struts, Jr., and F. C. Struts. 3,264,980.
Rudolph, Rome R., C. Strutz, Jr., and F. C. Strutz. 3,272,349.

Strutz, Frank C.: *See*—
Rudolph, Rome R., C. Struts, Jr. and F. C. Struts. 3,251,-298.
Rudolph, Rome R., C. Strutz, Jr., and F. C. Strutz. 3,253,538.
Rudolph, Rome R., C. Struts, Jr., and F. C. Struts. 3,264,980.
Rudolph, Rome R., C. Strutz, Jr., and F. C. Strutz. 3,272,349.

Struven, Warren C., to Varian Associates. Electron tubes containing gas below critical pressure. 3,295,013, 12–27–66, Cl. 315—168.

Strycker, Stanley J., to The Dow Chemical Co. Certain hexahydro - 1,5 - dinitro - 3 - substituted-1H-1,3,5-triazepine compounds. 3,280,107, 10–18–66, Cl. 260—239.

Strycker, Stanley J., and T. W. Holmsen, to The Dow Chemical Co. Methods and compositions for plant growth alteration. 3,291,591, 12–13–66, Cl. 71—2.5.

Strycker, Wallace G., and S. Hayao, to Miles Laboratories, Inc. Piperazine derivatives. 3,231,574, 1–25–66, Cl. 260—268.

Strydom, Llewellyn L., to Rotorcraft S.A. (Proprietary) Ltd. Rotating wing aircraft. 3,233,679, 2–8–66, Cl. 170—160.27.

Stryker, Edwin M.: *See*—
Bruns, Henry E., and Stryker. 3,273,068.

Stryker, Harry K., A. F. Helin, and W. H. Gonzales, to Gulf Oil Corp. Emulsion polishes comprising polyethylene, wax and resin. 3,247,141, 4–19–66, Cl. 260—23.

Strzelecki, Stanley A., Sr.: *See*—
Zemrowski, Edmund A. 3,291,251.

Stuart, Archibald P.: *See*—
Peterson, Henry J., Vanderwerff, and Stuart. 3,247,247.

Stuart, C. H., & Co., Inc.: *See*—
Brock, Walter B., E. M., and W. L. 3,230,755.
Hanson, Walter J. 3,234,756.

Stuart, Douglas E.: *See*—
Fellbach, Harvey O., and Stuart. 3,268,208.

Stuart, Edward P., to Crown Cork & Seal Co., Inc. Reseal for tab opening cans. 3,259,265, 7–5–66, Cl. 220—24.

Stuart, Frank A.: *See*—
Stewart, William T., Stuart, Lowe, and Kavanagh. 3,277,157.

Stuart, Frank A., to Chevron Research Co. Dialkyl dithiophosphates and lubricants containing them. 3,293,181, 12–20–66, Cl. 252—32.7.

Stuart, Frank A., and W. Lowe, to Chevron Research Co. Combined detergent-corrosion inhibitors. 3,287,271, 11–22–66, Cl. 252—49.9.

Stuart, Fred E. Filter bed agitator. 3,288,297, 11–29–66, Cl. 210—272.

Stuart, Harry. Radius cutting tools. 3,279,322, 10–18–66, Cl. 90—52.

Stuart, James W. Means to cause vibration of ring rail of spinning frame. 3,253,898, 5–31–66, Cl. 57—137.

Stuart, Karl D.: *See*—
Schindler, Donald R., and Stuart. 3,252,845.

Stuart, Robert, to National Can Corp. Cap. 3,269,577, 8–30–66, Cl. 215—46.

Stuart, Robert, to National Can Corp. Crown cap. 3,281,-001, 10–25–66, Cl. 215—46.

Stuart, Robert, to National Can Corp. Can. 3,282,463, 11–1–66, Cl. 220—54.

Stuart, Robert, to National Can Corp. Auxiliary stack holder. 3,288,463, 11–29–66, Cl. 271—62.

Stuart, Robert, to National Can Corp. Easy opening can end. 3,292,828, 12–20–66, Cl. 222—485.

Stuart, Robert B. Multiple valve. 3,270,774, 9–6–66, Cl. 137—596.18.

Stuart, Robert W.: *See*—
Hogan, Walter H., and Stuart. 3,274,786.

Stuart, Robert W., Jr., to Computer Control Co., Inc. Digital indicator. 3,267,262, 8–16–66, Cl. 235—92.

Stuart, Robley V.: *See*—
Petersen, Carl B., and Stuart. 3,232,066.

Stuart-Webb, Isobel A.: *See*—
Adams, Winifred J., Ellis, Petrow, and Stuart-Webb. 3,270,037.

Stuart, William R., to Varian Associates. Making grid-like elements for electron tubes. 3,253,620, 5–31–66. Cl. 140—71.5.

Stuart, William R., to Eitel-McCullough, Inc. Electron tube. 3,254,258, 5–31–66, Cl. 313—256.

Stubbe, Friedrich: *See*—
Breher, Rudolf. 3,271,845.
Steffens, Heinz and W. 3,288,335.

Stubblefield, Edward R.: *See*—
Gibbons, Herbert E., and Stubblefield. 3,276,326.

Stubblefield, Robert A. Retractable seat belt. 3,227,489, 1–4–66, Cl. 297—388.

Stubblefield, Steven A.: *See*—
Parrack, Alvin L., and Stubblefield. 3,289,155.

Stubbmann, Albert, to Kohner Bros., Inc. Toy musical cuckoo clock. 3,244,052, 4–5–66, Cl. 84—94.

Stubbs, Alfred I., and E. C. Faber. Container for bread products or the like. 3,246,795, 4–19–66, Cl. 220—97.

Stubbs, Dennis: *See*—
Hewitt, Ewan C., Swallow, and Stubbs. 3,248,919.

Stubbs, Frank F. Wrist support. 3,238,939, 3–8–66, Cl. 128—165.

Stubbs, Frederick J., and G. N. Walton, to United Kingdom Atomic Energy Authority. Nuclear reactor fuel element leak detection. 3,240,673, 3–15–66, Cl. 176—19.

Stubenrauch, Glenn P.: *See*—
Dien, Stanley L., and Stubenrauch. 3,229,904.

Stubler, Earl W. Drink mixer adapter. 3,292,912, 12–20–66, Cl. 259—125.

Stubner, Alfred W.: *See*—
Langford, David, and Stubner. 3,227,585.

Stuchell, Robert W.: *See*—
Luberoff, Benjamin J., Rickles, and Stuchell. 3,261,-666.

Stuchfield, Michael F.: *See*—
Bystram, Mikolaj C. T., and Stuchfield. 3,288,575.

Stucker, Robert, to The Wolf Machine Co. Sharpening device for a cloth cutting machine. 3,283,371, 2–8–66, Cl. 51—249.

Stuckert, Paul E.: *See*—
Narud, Jan A., and Stuckert. 3,271,746.

Stuckert, Paul E., to International Business Machines Corp. Apparatus for molding electrical connections. 3,239,895, 3–15–66. Cl. 22—58.

Stuckey, Albert D. C., and P. J. Gruber, to The Cincinnati Milling Machine Co. Roll grinder comparator gauge. 3,263,374, 8–2–66, Cl. 51—165.

Stuckey, Clarence W., Jr., and R. A. Meyers, to Stoddart Aircraft Radio, Inc. Sheet type fin antenna having loop fed excitation. 3,283,327, 11–1–66, Cl. 343—705.

Stuckey, Louis F., to Dana Corp. Shifting mechanism. 3,230,551, 1–18–66, Cl. 74—745.

Stucki, Frank F.: *See*—
Castro, Peter S., and Stucki. 3,271,665.

Stucki, Jakob. Storage rack. 3,272,581, 9–13–66, Cl. 312—234.4.

Studebaker Corp.: *See*—
Harter, Donald G. 3,269,787.

Studen, Charles E. Expanded plastic envelope. 3,256,527, 6–14–66, Cl. 229—68.

Studen, Charles E. Expanded plastic board having apertures retaining punched pieces. 3,280,499, 10–25–66, Cl. 46—17.

Studenick, David K., to United States of America, Navy. Locator for magnetic and conducting materials including means for adjusting the relative positions of a pair of sensing coils. 3,281,660, 10–25–66, Cl. 324—3.

Studer, Rolf: *See*—
Gloor, Urs, Quitt, Studer, and Vogler. 3,265,682.

Studer, Willi. Method and device for influencing tape traction in transport apparatus for tape-type record carriers. 3,281,634, 10–25–66, Cl. 318—314.

Studer, William H., to United States Rubber Co. Plastic carpet and method of making same. 3,230,134, 1–18–66, Cl. 161—62.

Studi E Brevett Applicaioni Tessile S.r.l.: *See*—
Diotti, Giacinto. 3,292,210.

Studiengesellschaft Kohle m.b.H.: *See*—
Hafner, Klaus, and Pelster. 3,265,689.
Köster, Roland. 3,230,262.
Koster, Roland. 3,259,659.
Koster, Roland. 3,271,436.
Koster, Roland. 3,287,415.
Neumann, Wilhelm P., and Burkhardt. 3,248,411.
Neumann, Wilhelm P., and Niermann. 3,256,253.
Ohloff, Gunther, Klein, and Schade. 3,240,821.
Ohloff, Günther, Klein, and Schade. 3,252,998.
Schenck, Günther O., and Koerner von Gustorf. 3,259,-642.
Von Gustorf, Ernst K., and Bornemann. 3,243,164.
Wilke, Gunther, and Heimbach. 3,271,468.
Zosel, Kurt. 3,240,839.

Studley, Lester J., and M. Cordell, to Studley Paper Co., Inc. Filter bag for vacuum cleaners and collar therefor. 3,283,481, 11–8–66, Cl. 55—367.

Studley Paper Co., Inc.: *See*—
Fesco, John J. 3,273,322.
Fesco, John J. 3,276,192.
Studley, Lester J., and Cordell. 3,283,481.

Studt, Peter, H. Zoebelein, and J. Gallnke, to Henkel & Cie, G.m.b.H. Process for encapsulating liquids and capsules produced thereby. 3,244,640, 4–5–66, Cl. 252—316.

Studwell, Donald E., to Audio Devices, Inc. Plug for mounting tape reels. 3,229,811, 1–18–66, Cl. 206—52.

Stuefen, Robert L., to Harnischfeger Corp. Direct current power sources with means for controlling the current balance through rectifiers. 3,270,271, 8–30–66, Cl. 321—25.

Stuefen, Robert L., to Harnischfeger Corp. D.C. power supply. 3,292,038, 12–13–66, Cl. 315—142.

Stuemky, Robert E.: *See*—
Oldberg, Sidney, and Stuemky. 3,267,697.

Stuemky, Robert E., and R. G. Brown, to Eaton Mfg. Co. Universal joint. 3,245,228, 4–12–66, Cl. 64—15.

Stuempfig, Friedrich. Packing including elastic sealing ring having a torsion axis. 3,231,287, 1–25–66, Cl. 277—94.

Stuermer, Karl. Solid state capacitor discharge ignition system. 3,263,124, 7–26–66, Cl. 315—212.

Stuetz, Dagobert E.: *See*—
Dolce, Thomas J., Stuetz, and Roberts. 3,281,499.

Stuetz, Dagobert E., to Celanese Corp. of America. Polymerization of olefin with polar monomers in the presence of Ziegler type catalyst systems. 3,287,335, 11–22–66, Cl. 260—86.7.

Stuetzer, Otmar M., to Litton Systems, Inc. Method of increasing apparent viscosity of non-conductive fluids. 3,240,994, 3–15–66, Cl. 317—3.

Stuetzer, Otmar M., to Litton Systems, Inc. Electrohydrodynamic precipitator. 3,247,091, 4–19–66, Cl. 204—299.

Stuetzer, Otmar M., to Litton Systems, Inc. Electrical input measuring device using ion drag pumps and pressure indication. 3,265,970, 8–9–66, Cl. 324—92.

Stuetzer, Otmar M., and A. M. Sutton, to Litton Systems Inc. Electrostatic separation means. 3,249,225, 5–3–66, Cl. 209—129.

Stuhler, William B., to Collins Radio Co. Self-locking handle. 3,245,546, 4–12–66, Cl. 211—41.

Stuhlmiller, Max, G. Bottiger, and C. Heid, to Cassella Farbwerke Mainkur Aktiengesellschaft. Method of dyeing cellulosic textiles with mixtures of thiosulfonic acid-sulfur dyes and reactive dyes and compositions thereof. 3,294,474, 12–27–66, Cl. 8—25.

Stulcken, H. C., Sohn: *See*—
Sprengel, Heinz F. J. 3,236,390.

Stulen, Walter H., to Baldwin-Lima-Hamilton Corp. Extrusion apparatus and method. 3,271,986, 9–13–66, Cl. 72—267.

Stulens, Jean L. Circulating turbopump, particularly for central heating plants. 3,252,422, 5–24–66, Cl. 103—97.

Stull, Emerson B., and J. Morrow, to Hercules Inc. Apparatus for mixing and dispensing fluids. 3,284,009, 11–8–66, Cl. 239—427.

Stull, Keefer S., Jr., to United States of America, Navy. Pulse Doppler clutter rejection system. 3,267,468, 8–16–66, Cl. 343—7.7.

Stull, Robert S.: *See*—
O'Keefe, Michael F., Stull, and Metzger. 3,281,756.

Stults, Allan C., and R. H. Powell. Heating means and container comprising same. 3,2622,445, 7–26–66, Cl. 126—262.

Stults, Howard G. Weigher-controlled feed dispensing device providing predetermined feeding schedule. 3,261,416, 7–19–66, Cl. 177—114.

Stultz, Jack: *See*—
Pitt, Ronnie R., and Stultz. 3,284,730.

Stultz, Keith F., and H. J. Zweig, to Eastman Kodak Co. Information converter arrangement. 3,271,758, 9–6–66, Cl. 340—347.

Stumbo, Charles R., and B. Heinemann, to Producers Creamery Co. Method for producing sour cream dressing. 3,235,287, 2–15–66, Cl. 99—59.

Stummeyer, Herbert: *See*—
Fischer, Adolf, Koenig, Pommer, and Stummeyer. 3,238,-035.
Jentzsch, Wolfgang, Stummeyer, and Fischer. 3,242,-209.

Stump, Howard W. Reciprocating fluid motor. 3,274,899, 9–27–66, Cl. 91—265.

Stump, Joseph H., Jr.: *See*—
Wicke, Alfred F., Jr., McLaughlin, and Stump. 3,257,438.

Stump, Joseph H., Jr., to Tenneco Chemicals, Inc. Tall oil pitch size and its preparation and use. 3,253,937, 5–31–66, Cl. 106—123.

Stump, William L., to E. I. du Pont de Nemours and Co. Crimped tow of polyester filaments. 3,235,442, 2–15–66, Cl. 161—173.

Stump, William L., to E. I. du Pont de Nemours and Co. Process for producing highly crimped fibers having modified surfaces. 3,247,300, 4–19–66, Cl. 264—168.

Stumpe, August C., and K. Steimel, to Licentia Patent-Verwaltungs-G.m.b.H. Fuse having an auxiliary arc-transfer electrode. 3,256,408, 6–14–66, Cl. 200—120.

Stumpe, August C., and K. Troeger, to Licentia Patent-Verwaltungs-G.m.b.H. Protective fuse having an auxiliary electrode. 3,256,447, 6–14–66, Cl. 307—88.5.

Stumpe, Nelson A., Jr.: *See*—
Railsback, Henry E., and Stumpe. 3,245,929.

Stumpf, Walter: *See*—
Kirchhof, Werner, Stumpf, and Schleimer. 3,253,000.
Niedenbruck, Hans, and Stumpf. 3,283,008.

Stumpf, Walter, and K. Rombusch, to Chemische Werke Huls Aktiengesellschaft. Alkylaryl-polyethyleneglycols as antistatic agents for polyethylene. 3,234,170, 2–8–66, Cl. 260—33.2.

Stumpfig, Friedrich. Rotary piston combustion apparatus. 3,240,189, 3–15–66, Cl. 123—8.

Stunkard, Norman W.: *See*—
Dyke, Walter P., Grundhauser, and Stunkard. 3,248,-574.
Dyke, Walter P., Grundhauser, and Stunkard. 3,256,439.

Stupar, Wesley E., to General Precision, Inc. Binary to decimal translator. 3,247,503, 4–19–66, Cl. 340—347.

Sturdevant, Albert G.: *See*—
Burt, Robert V., Gunn, and Sturdevant. 3,262,620.

Sturdivan, Rex E., to Zinsco Electrical Products. Electrical distribution box and neutral. 3,265,937, 8–9–66, Cl. 317—119.

Sturdivan, Rex E., to Zinsco Electrical Products. Meter pedestal. 3,286,133, 11–15–66, Cl. 317—104.

Sturdivan, Rex E., to Zinsco Electrical Products. Plug-in meter jaw. 3,289,150, 11–29–66, Cl. 339—192.

Sturdivant, A. G.: *See*—
Riley, Joseph L. 3,257,014.

Sturdivant, Matthew, ½ to J. H. Helms. Automatic coiling hair curler. 3,255,765, 6–14–66, Cl. 132—38.

Sturdivant, William W., Sr. Stitch cam assembly for circular knitting machines and method of drawing elongated stitches. 3,256,717, 6–21–66, Cl. 66—54.

Sturdy, William W., to Bell Telephone Laboratories, Inc. Multifrequency pulse transmission system. 3,260,994, 7–12–66, Cl. 340—146.1.

Sture Granberger, Firma: *See*—
Ericson, Harry A. H. 3,261,772.

Sturge, Derek W. J.: *See*—
Jaques, Thomas A. J., Sturge, and Smyth. 3,290,723.

Sturgeon, Edward G., to Syncro Corp. Pivot mounting for oscillatory tool. 3,271,598, 9–6–66, Cl. 310—29.

Sturgeon, Howard E.: *See*—
Miller, Dean O., and Sturgeon. 3,252,621.

Sturgeon, Joseph A. and T. E. Surface piercing concave disc hydrofoil. 3,237,582, 3–1–66, Cl. 114—66.5.

Sturgeon, Thomas E.: *See*—
Sturgeon, Joseph A. and T. E. 3,237,582.

Sturges, Donald G., and G. L. Bartholomew, to The Carborundum Co. Neutron shielding using a composition comprising graphite, boron carbide and carbonized residue. 3,231,-521, 1–25–66, Cl. 252—478.

Sturges, Hulda R. Brassiere construction. 3,244,175, 4–5–66, Cl. 128—465.

Sturges, Nigel, and L. C. Nutton, to Sewprima Ltd. Press for forming collars, cuffs and the like for wear. 3,275,204, 9–27–66, Cl. 223—2.

Sturgis, Leslie T. Routing and drilling machine for door crafting. 3,280,863, 10–25–66, Cl. 144—3.

Sturik, Robert H.: *See*—
Fauser, Donald L., Sturik, and Adams. 3,244,569.

Sturm, Buddy, Jr., and F. H. Wilson, Jr., to The Goodyear Tire & Rubber Co. Tetrahydroquinoxalines as antiozonants for rubber. 3,291,757, 12–13–66, Cl. 260—45.8.

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Suhr, Gunther, to ABG-Werke Gesellschaft mit beschrankter Haftung. Distributor bucket for road building materials and the like. 3,237,540, 3–1–66, Cl. 94—46.

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Sus, Oskar, and K. Reiss, to Azoplate Corp. Light-sensitive polymeric diazonium and azidoacrylamido reproduction material and process for making plates therefrom. 3,230,087, 1–18–66, Cl. 96—33.
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Sus, Oskar, and H.-D. Dotsch, to Keuffel & Esser Co. Two-component diazotype material. 3,255,010, 6–7–66, Cl. 96—75.
Sus, Oskar, W. Neugebauer, E. Lind, and K. W. Klupfel, to Azoplate Corp. Electrophotographic reproduction material. 3,257,203, 6–21–66, Cl. 96—1.
Sus, Oskar, M. Tomanek, and E. Lind, to Azoplate Corp. Electrophotographic reproduction material. 3,257,204, 6–21–66, Cl. 96—1.
Sus, Oskar, H. Rauhut, and H. Schafer, to Keuffel & Esser Co. Photo thermographic diazo material and its method of use for photocopying. 3,272,627, 9–13–66, Cl. 96—49.
Sus, Oskar, and H. Steppan, to Azoplate Corp. Presensitized printing plate and process of developing printing plate. 3,294,533, 12–27–66, Cl. 96—33.
Sus, Oskar, and H. Schafer, to Keuffel & Esser. Photosensitive diazo compositions. 3,294,542, 12–27–66, Cl. 96—91.
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Sutherland, John D., Jr., K. Gauslaa, and R. A. Gerlicher, to Copolymer Rubber and Chemical Corp. Method of coagulating rubbery polymer latices. 3,272,768, 9–13–66, Cl. 260—27.
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Sutliffe, Miles B., to Data-Veyors Corp. Channeled conveyors and connecting clips therefor. 3,236,363, 2–22–66, Cl. 198—204.
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Sutton, Blaine M., and J. Weinstock, to Smith Kline & French Laboratories. 2,4-diamino-6-aminoalkoxy pyrimidines. 3,261,833, 7–19–66, Cl. 260—247.5.
Sutton, Charles K. Temperature responsive pressure relief for containers. 3,245,578, 4–12–66, Cl. 220—89.
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Sutton, Jon. Interlocking assemblable furniture. 3,262,405, 7–26–66, Cl. 108—153.
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Sutton, Robert W., to The Hydrand Corp. Pipe coupling. 3,283,780, 11–8–66, Cl. 137—614.04.
Sutton, Robert W., L. R. Peake, M. A. Rolfson, and G. W. Shoop, to Leslie Peake Enterprises, Inc. Beer dispenser and method of dispensing. 3,248,009, 4–26–66, Cl. 222—1.
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Suuronen, Edwin. Multiple use chair. 3,255,344, 6–7–66, Cl. 297—182.
Suverkrop, Lew. Paper trimmers. 3,233,490, 2–8–66, Cl. 83—568.
Suverkrop, Lew. Paper trimmers. 3,233,493, 2–8–66, Cl. 83—694.
Suvor, Tosun, and M. H. Windell. Wheel drive and suspension arrangement for transport vehicle. 3,294,190, 12–27–66, Cl. 180—27.
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Suzumura, Hideo, K. Hirano, and T. Chiba, to Kurashiki Rayon Co., Ltd. Production of water-soluble polyvinyl alcohol-urea derivatives. 3,250,748, 5–10–66, Cl. 260—77.5.
Suzumura, Hideo, and H. Miyahara, to Kurashiki Rayon Co., Ltd. Water-resistant adhesives. 3,272,675, 9–13–66, Cl. 156—292.
Svadlenak, Rudolf E., to E. I. du Pont de Nemours and Co. Anhydrous chromic acid solution and process of treating metal therewith. 3,285,788, 11–15–66, Cl. 148—6.2.

Svala, Carl G., to North Electric Co. Ringing arrangement for substation telephone instrument. 3,254,161, 5-31-66, Cl. 179—84.

Svanholm, Gert, to Novo Terapeutisk Laboratorium A/S. Process of precipitating tetracycline base in crystalline form. 3,230,254. 1-18-66, Cl. 260—559.

Svanoe, Hans, to Struthers Scientific and International Corp. Saline water conversion. 3,266,264, 8-16-66, Cl. 62—123.

Svanoe, Hans, to Struthers Scientific and International Corp. Concentration of extracts by freezing with residence crystal growth. 3,285,021, 11-15-66, Cl. 62—58.

Svanoe, Hans, to Struthers Scientific and International Corp. Freeze crystallization of saline water by injecting an aqueous emulsion of organic refrigerant and sulfonated surfactant. 3,285,026, 11-15-66, Cl. 62—58.

Svaty, Vladimir, and M. Pavlu, to Ehtex Sdruzeni podniku tertilniho strojirenstvi. Weft thread control device. 3,260,-283, 7-12-66, Cl. 139—370.

Svaty, Vladimir, M. Otta, and J. Bilek. Gear operated clutch and brake for a loom. 3,292,753, 12-20-66, Cl. 192—18.

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Svendsen Konrad S., to Combustion Engineering, Inc. Furnace observation port. 3,276,442, 10-4-66, Cl. 126—200.

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Soredal, Sven G. 3,288,646.

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Svenska Cellulosa Aktiebolaget: *See*—
Bergholm, Carl A., and Stahre. 3,250,591.
Grahn, Per H., and Hakansson. 3,263,591.
Ihrman, Carl B. A. 3,200,209.
Sylla, Klaus F. 3,263,598.

Svenska Dataregister AB: *See*—
Englund, Gosta R., and Mattsson. 3,244,367.
Englund, Gosta R., and Mattsson. 3,263,915.
Sundblad, Gunnar E. 3,240,921.
Sundblad, Gunnar E. 3,252,143.

Svenska Flaktfabriken, Aktiebolaget: *See*—
Allander, Claes. 3,261,147.
Aronsson, Arent. 3,274,697.
Boysen, Arne, Larkfeldt, and Steinholtz. 3,232,342.
Fermer, Karl-Erik. 3,231,313.
Jarreby, Bertil. 3,230,680.
Jarreby, Bertil. 3,290,795.
Magnusson, Folke. 3,228,117.
Petersson, Hjalte, and Pehrson. 3,232,507.
Rosenqvist, Alfons L. 3,277,550.
Rosing, Lennart. 3,280,825.
Sather, Stanley H. 3,286,319.
Seth, Einar. 3,292,274.
Wallin, Sven. 3,272,415.
Wallin, Sven, and Bergh. 3,231,165.
Wallin, Sven W. 3,254,830.
Wallin, Sven W. 3,265,267.
Wilhelmsson, Gunnar, and Gustavsson. 3,279,156.

Svenska Hymas Aktiebolag: *See*—
Sonerud, John T. 3,261,478.

Svenska Kullagerfabriken, Aktiebolaget: *See*—
Derman, Karl G. E. 3,234,775.
Eriksson, Erik E., and Synek. 3,290,102.
Johansson, Erik L. W. 3,245,290.
Karrberg, Gustaf H., and Derman. 3,233,307.

Svenska Maskinverken, AB: *See*—
Ohlsson, Olof A. 3,286,666.

Svenska Metallverken, Aktiebolaget: *See*—
Lindstrand, Nils E., and Sundberg. 3,232,343.
Philipson, Philip G. 3,259,533.

Svenska Precisionsverktyg, Aktiebolaget: *See*—
Varback, Stig A. V. 3,226,993.

Svenska Rotor Maskiner Aktiebolag: *See*—
Firgau, Werner, and Hbussler. 3,233,661.
Getto, Artur. 3,229,752.
Kalbfleisch, Georg. 3,232,335.
Kalbfleisch, Georg, and Ludt. 3,246,686.
Mittmann, Wilfried. 3,265,119
Nilsson, Hans R., and Schibbye. 3,237,524.
Nilsson, Hans R., and Schibbye. 3,245,612.
Nyberg, Ake L. 3,250,316.
Schibbye, Lauritz B. 3,265,292.
Schibbye, Lauritz B. 3,265,293.
Schibbye, Lauritz B. 3,283,996.
Schibbye, Lauritz B., and Nilsson. 3,241,744.

Svenson, Bert N. Safety clamp for pressure vessel covers. 3,269,587, 8-30-66, Cl. 220—55.3.

Svenson, Bert N. Clamping apparatus. 3,275,185, 9-27-66, Cl. 220—53.

Svenson, Bert N. Adjustable clamp. 3,292,812, 12-20-66, Cl. 220—55.

Svenson, Ernest J., to Odin Corp. Apparatus for determining optimum machining condition. 3,264,873, 8-9-66, Cl. 73—432.

Svenson, Fred D. Self-adjusting socket wrench. 3,285,106, 11-15-66, Cl. 81—185.

Svenson, James S.: *See*—
Weiss, Howard E., and Svenson. 3,240,527.

Svensson, Ake B. F.: *See*—
Avsan, Oleg, Back, Olsson, and Svensson. 3,231,872.

Svensson, Rolf H. Safety belt and lock for same. 3,227,490, 1-4-66, Cl. 297—389.

Svensson, Soldan A., to Mercury Packaging Co. Tear strip opening means for paperboard cartons. 3,235,167, 2-15-66, Cl. 229—51.

Svensson, Soldan A., to Gulf States Paper Corp. Dispensing carton with recloseable pouring spout. 3,289,913, 12-6-66, Cl. 229—17.

Svensson, Stig A. G., to Alfa-Laval AB. Washing apparatus for pipelines. 3,278,961, 10-18-66, Cl. 15—3.51.

Svensson, Svante H., and A. Forchheimer, to Ingenjörsfirman Consulta. Mixing device for producing a flow of liquid of continuously variable composition. 3,276,751, 10-4-66, Cl. 259—3.

Svensson, Sven A., to Ingeniorsfirman Fliesberg AB. Vacuum regulator. 3,256,903, 6-21-66, Cl. 137—103.

Sverdrup & Parcel and Associates, Inc.: *See*—
Newman, Owen G. 3,241,270.

Svereckis, Jonas A., J. G. Manchetti, and H. B. Hindin, to United States Rubber Co. Tire construction. 3,286,758, 11-22-66, Cl. 152—356.

Sviatchenko, Valery N.: *See*—
Stychinsky, Leonid P., Zbookariov, and Sviatchenko. 3,263,597.

Svrchek, Joseph G., to W. R. Grace & Co. Coating compositions comprising unsaturated hydrocarbon polymers and a drying oil. 3,294,565, 12-27-66, Cl. 106—265.

Swaab, Jack. Machine for cutting precious stones. 3,266,-476, Cl. 125—30.

Swaffer, Clifford S., and H. Lemming, to Imperial Chemical Industries Ltd. Method of making a tubular pressure ves-

Swain, Arthur B.: *See*—
sel. 3,230,122, 1-18-66, Cl. 156—187.
Soubier, Leonard D., and Swain. 3,294,509.

Swain, Frank E. Annular sealing means. 3,282,558, 11-1-66, Cl. 251—174.

Swain, Howard W.: *See*—
Gottshall, Ralph I., Peters, and Swain. 3,248,361.

Swain, James C.: *See*—
Kaiser, Willard D., Swain, and Manning. 3,275,089.

Swain, James C., G. E. Manning, and D. L. Thomas, to Westinghouse Air Brake Co. Hydraulic motor means. 3,230,-711, 1-25-66, Cl. 60—51.

Swain & Myers, Inc.: *See*—
Peacock, Henry S., and Durham. 3,272,157.

Swain, William H., to Electro-Mechanical Research, Inc. Frequency modulator with blocking oscillator. 3,263,187, 7-26-66, Cl. 332—16.

Swaine, John, to The Rover Co. Ltd. Internal combustion engines. 3,260,250, 7-12-66, Cl. 123—119.

Swakon, Edward A., to Standard Oil Co. Process for producing carbonyl-sulfide. 3,235,333, 2-15-66, Cl. 23—203.

Swakon, Edward A., to Standard Oil Co. Preparation of alkali metal formates in alcoholic medium. 3,262,973, 7-26-66, Cl. 260—542.

Swakon, Edward A., to Standard Oil Co. Process for the preparation of S-(2-hydroxyalkyl) and S-(2-mercaptoalkyl) esters. 3,264,339, 8-2-66, Cl. 260—455.

Swakon, Edward A., to Standard Oil Co. Process for preparing s-(2-hydroxyl) esters. 3,282,978, 11-1-66, Cl. 260—455.

Swakon, Edward A., and E. Field, to Standard Oil Co. Preparation of diethyl ketone in presence of alkaline medium. 3,257,459, 6-21-66, Cl. 260—597.

Swakon, Edward A., and E. Field, to Standard Oil Co. Process for preparing amines from nitro compounds. 3,293,295, 12-20-66, Cl. 260—563.

Swale, Roy T., and T. R. Jones, to Decca Ltd. Digital resolvers. 3,262,109, 7-19-66, Cl. 340—347.

Swales, Danvers A., to Associated Chemical Co. Ltd. Production of wood preservatives. 3,266,985, 8-16-66, Cl. 167—38.5.

Swalheim, Donald A.: *See*—
Fullhart, Lawrence, Jr., and Swalheim. 3,228,806.
Fullhart, Lawrence, Jr., and Swalheim. 3,247,027.
Fullhart, Lawrence, Jr., and Swalheim. 3,257,326.
Fullhart, Lawrence, Jr., and Swalheim. 3,277,120.

Swallow, Reginald D.: *See*—
Hewitt, Ewan C., Swallow, and Stubbs. 3,248,919.

Swallow, William J., to F. Perkins, Ltd. Outboard drive unit for watercraft. 3,238,914, 3-8-66, Cl. 115—35.

Swamer, Frederic W., and B. W. Howk, to E. I. du Pont de Nemours and Co. Process for fluorinating halohydrocarbons. 3,258,500, 6-28-66, Cl. 260—653.7.

Swan, Alfred H., to Air Reduction Co., Inc. Flexible hose. 3,252,483, 5-24-66, Cl. 138—122.

Swan, Alfred H., to Reduction Co., Inc. Apparatus for the manufacture of hose by helically winding an elongated strip of plastic material. 3,272,678, 9-13-66, Cl. 156—429.

Swan, Alfred H., to Air Reduction Co., Inc. Flexible tube. 3,273,600, 9-20-66, Cl. 138—122.

Swan, William H., to Hoover Ball and Bearing Co. Fluid lock device. 3,264,899, 8-9-66, Cl. 74—586

Swanberg, Franz F. Roof scaffold. 3,292,734, 12-20-66, Cl. 182—45.

Swanberg, Melvin E.: *See*—
Antul, John J., and Swanberg. 3,294,891.

Swander, Kenneth D.: *See*—
Henricks, Jack D., and Swander. 3,244,456.

Swander, Kenneth D., Jr., to Gustin-Bacon Mfg. Co. Ball bell ringer. 3,250,243, 5-10-66, Cl. 116—151.

Swane, Peter H., to General Signal Corp. Control circuit for transmitting code indicating position of condition responsive relays. 3,289,167, 11-29-66, Cl. 340—163.

Swaneck, Anthony J., Jr., to Westinghouse Electric Corp. Cabinet structure. 3,270,907, 9-6-66, Cl. 220—9.

Swank, Roy L. Constant flow pressure filter apparatus. 3,266,299, 8-16-66, Cl. 73—61.

Swansen, William G.: *See*—
Atanasoff, John V., and Swansen. 3,252,429.

Swanson, Arthur M., and D. J. Fenske, to Dairy-Mour, Inc. Apparatus for aggregating difficult to aggregate materials. 3,228,115, 1-11-66, Cl. 34—57.

Swanson, Arthur M., and D. J. Fenske, to Dairy-Mour, Inc. Apparatus for aggregating difficult to aggregate particles. 3,228,116, 1-11-66, Cl. 34—57.

Swanson, Arthur M., and D. J. Fenske, to Dairy-Mour, Inc. Process for aggregating difficult to aggregate particles and the product thereof. 3,262,788, 7-26-66, Cl. 99—199.

Swanson, Arthur N. Pipette dryer. 3,258,850, 7-5-66, Cl. 34—104.

Swanson, Charles E., to Sunbeam Corp. Hinged crumb tray for electric toaster. 3,256,805, 6-21-66, Cl. 99—400.

Swanson, David L. Reusable bottle cap. 3,288,320, 11-29-66, Cl. 215—39.

Swanson, Donald F.: *See*—
Winkler, Wynn G., and Swanson. 3,247,680.

Swanson, Donald F., to Whirlpool Corp. Plate type evaporator for ice slabs. 3,230,736, 1-25-66, Cl. 62—515.

Swanson, Donald F., to Whirlpool Corp. Weight controlled automatic ice maker. 3,234,750, 2-15-66, Cl. 62—137.

Swanson, Donald F., to Whirlpool Corp. Ice maker with integral water recirculation means. 3,256,711, 6-21-66, Cl. 62—348.

Swanson, Donald F., and W. G. Winkler, to Whirlpool Corp. Counterbalance for a movable member. 3,233,276, 2-8-66, Cl. 16—1.

Swanson, Donald F., and W. G. Winkler, to Whirlpool Corp. Flake ice maker with rotary ice remover means. 3,252,-299, 5-24-66, Cl. 62—344.

Swanson, Douglas L., to Swanson-Erie Corp. Automatic assembly center. 3,231,968, 2-1-66, Cl. 29—208.

Swanson, Edward W., to Admiral Corp. Hinge structure. 3,204,906, 12-27-66, Cl. 178—7.9.

Swanson, Elwood R.: *See*—
Marjoram, Ernest B., Berg, and Swanson. 3,242,837.

Swanson-Erie Corp.: *See*—
Swanson, Douglas L. 3,231,968.

Swanson, Ernest R. Photoreproduction device. 3,288,022, 11-29-66, Cl. 88—24.

Swanson, Floyd R., Jr.: *See*—
Strang, Elmer J., and Swanson. 3,255,800.

Swanson, Frank B. Swivel outside-inside brush. 3,230,563, 1-25-66, Cl. 15—164.

Swanson, Frank B., to Bank of America National Trust and Savings Association, administrator. Sawhorse or trestle. 3,286,788, 11-22-66, Cl. 182—155.

Swanson, Frank O., to Ford Motor Co. Battery elements anchored with urethane foam. 3,269,865, 8-30-66, Cl. 136—80.

Swanson, Frank R., to Swanson Mfg. Co. Toaster construction. 3,268,685, 8-23-66, Cl. 200—61.62.

Swanson, Fred R., and C. F. Erikson, to Sundstrand Corp. Machine tool. 3,232,141, 2-1-66, Cl. 77—31.

Swanson, Gosta. Portable hand tool for cleaning pipe joints. 3,290,711, 12-13-66, Cl. 15—104.03.

Swanson, Gunnar E. Fastening device. 3,237,978, 3-1-66, Cl. 292—113.

Swanson, Harry G., to United States of America, Navy. Fluid damped permanent magnet core meter movement with a float supported and filar suspended coil. 3,274,490, 9-20-66, Cl. 324—154.

Swanson, Herman A.: *See*—
Engel, John H., and Swanson. 3,241,328.

Swanson, Howard E., and G. E. Lusk. 3,246,530, 4-19-66, Cl. 74—112.

Swanson, James L.: *See*—
Kozlik, Robert F., and Swanson. 3,266,907.

Swanson, John A., to AMP Inc. Magnetic core comparator system. 3,267,428, 8-16-66, Cl. 340—146.2.

Swanson, John A., to AMP Inc. Memory system. 3,274,572, 9-20-66, Cl. 340—174.

Swanson, John N., 25% to D. L. Rutledge, and 10% to R. L. Harbison. Display device. 3,269,043, 8-30-66, Cl. 40—102.

Swanson, John P.: *See*—
Matsumoto, Raymond T., and Swanson. 3,243,607.

Swanson, Joseph P., to Energy Systems, Inc. Triggered arc gap operable over a wide range of supply voltage variations. 3,275,891, 9-27-66, Cl. 317—16.

Swanson, Kermit E.: *See*—
Klingler, Karl A., and Swanson. 3,292,820.

Swanson Mfg. Co.: *See*—
Swanson, Frank R. 3,268,685.

Swanson, Milo C., to Ledex, Inc. Rotary actuator. 3,258,980, 7-5-66, Cl. 74—88.

Swanson, Oscar A. Container cover remover and tightener mechanism. 3,280,664, 10-25-66, Cl. 81—3.43.

Swanson, Ralph G., and A. N. Walus, to E. I. du Pont de Nemours and Co. Epoxy terminated polyester complexes, coating compositions containing same and metal substrates coated therewith. 3,272,647, 9-13-66, Cl. 117—75.

Swanson, Richard H.: *See*—
Dedricks, Alvin N., and Swanson. 3,256,710.
Dedricks, Alvin N., and Swanson. 3,289,430.

Swanson, Richard H., to The Manitowoc Co., Inc. Container clamping assembly. 3,248,160, 4-26-66, Cl. 312—304.

Swanson, Richard H., to Emhart Corp. Dead latch construction. 3,279,836, 10-18-66, Cl. 292—169.

Swanson, Ronald R.: *See*—
Keen, James L., Ward, Swanson, and Dunning. 3,239,-500.

Swanson, Ronald R., to General Mills, Inc. Fatty quaternary ammonium group VB metal compounds. 3,254,102, 5-31-66, Cl. 260—429.

Swanson, Ronald R., to General Mills, Inc. 2-hydroxy oximes. 3,284,501, 11-8-66, Cl. 260—566.

Swanson, Ronald R., to General Mills, Inc. Quaternary ammonium metal compounds. 3,294,827, 12-27-66, Cl. 260—429.

Swanson, Ronald R., to General Mills, Inc. α-Hydroxy oximes containing alkenyl radicals. 3,294,842, 12-27-66, Cl. 260—566.

Swanson, Walter S., and C. F. Erikson, to Sundstrand Corp. Tool changing mechanism. 3,256,600, 6-21-66, Cl. 29—568.

Swanstrom, Klas A., to Spyrafio, Inc. Spherical bearings and the like. 3,252,742, 5-24-66, Cl. 308—72.

Swantz, Lloyd D. Electric meter adapter. 3,229,165, 1-11-66, Cl. 317—109.

Swarofsky, Walter, and F. Renneberg, to Voigtlander A.G. Single lens reflex camera with exposure meter having photosensitive cell movable into field of viewfinder. 3,229,604, 1-18-66, Cl. 95—10.

Swarovski, D., & Co.: *See*—
Schwaiger, Johann. 3,271,499.

Swart, Andries P., to Noord Westelike Koöperatiewe Landboumaatskappy BPB. Peanut sheller. 3,242,958, 3-29-66, Cl. 146—11.

Swart, Karel, and E. Th. van der Laan, to Shell Oil Co. Cracking of hydrocarbons. 3,236,763, 2-22-66, Cl. 208—129.

Swarthout, Earl J., to Miles Laboratories, Inc. Citric acid production. 3,285,831, 11-15-66, Cl. 195—36.

Swarts, Richard E.: *See*—
Fitter, Ernest A., Garwood, Swarts, Tiblin, and Walker. 3,228,391.

Swartwout, Charles J., A. E. Lepley, and D. S. Oliver, to Motorola, Inc. Precision solid state ratio bridge. 3,283,239, 11-1-66, Cl. 323—75.

Swartz, Donald L.: *See*—
Gould, Max R., and Swartz. 3,253,930.

Swartz, Dorian J.: *See*—
Rost, Gerald A., and Swartz. 3,234,117.

Swartz, Edwin H. Method of forming non-frangible metallurgical briquettes. 3,264,090, 8-2-66, Cl. 75—3.

Swartz, Elmer L.: *See*—
Warren, Raymond W., and Swartz. 3,228,410.

Swartz, Gaylord A., and B. G. Milks, to Electra Mfg. Co. Thermionic evaporation rate controller. 3,235,480, 2-15-66, Cl. 204—298.

Swartz, Gaylord A., and W. E. McLean, to Electra Mfg. Co. Procedure and apparatus for nitriding film type precision resistors. 3,240,637, 3-15-66, Cl. 148—16.6.

Swartz, George A. Simulated ball game apparatus. 3,227,-453, 1-4-66, Cl. 273—93.

Swartz, George A., to Radio Corp. of America. High density plasma generator. 3,258,633, 6-28-66, Cl. 313—230.

Swartz, Henry D., to Thermoplastic Industries, Inc. Apparatus for manufacturing flexible bags with nozzle. 3,244,576, 4-5-66, Cl. 156—513.

Swartz, Henry D., to Thermoplastic Industries, Inc. Self-sealing valve bag. 3,268,152, 8-23-66, Cl. 229—62.5.

Swartz, Paul S., to General Electric Co. Method of producing a superconductive solenoid disc. 3,258,828, 7-5-66, Cl. 29—155.5.

Swartz, Paul S., to General Electric Co. Superconductive device. 3,262,024, 7-19-66, Cl. 317—158.

Swartz, Paul S., to General Electric Co. Superconductive solenoid. 3,281,737, 10-25-66, Cl. 335—216.

Swartz, Richard L., to Universal Business Machines, Inc. Control system for sorting machine. 3,259,238, 7-5-66, Cl. 209—72.

Swartz, Richard L., to Universal Business Machines, Inc. Article sorting and stacking machine. 3,288,038, 11-29-66, Cl. 93—93.

Swartz, William M. Basket. 3,236,410, 2-22-66, Cl. 220—62.

Swartzbaugh, George W.: *See*—
Bartos, Donald M., and Swartzbaugh. 3,258,522.

Swartzbaugh, John D., and B. E. Stentz, to United Service Equipment Co. Inc. Sectional food tray. 3,270,909, 9-6-66, Cl. 220—23.4.

Swatek, Edward J., Jr., and N. J. Polcyn. Automatic throttle control for air compressors and the like. 3,270,729, 9–6–66, Cl. 123—103.

Swayze, Hayes, and I. B. Miller, to Hydro Conduit Corp. Pipe casting apparatus having vibrating means in physically separated adjacency to the core. 3,276,093, 10–4–66, Cl. 25—127.

Swayze, Julian H. Underground building. 3,227,061, 1–4–66, Cl. 98—1.

Swearingen, Judson S., to Rotoflow Corp. Adjustable turbine inlet nozzles. 3,232,581, 2–1–66, Cl. 253—122.

Swearingen, Judson S., to Electronic Specialty Co. Method and apparatus for control of operating conditions in absorption refrigeration systems. 3,248,891, 5–3–66, Cl. 62—104.

Swearingen, Judson S., to Electronic Specialty Co. Apparatus for the removal of fixed gas from absorption refrigeration process. 3,259,162, 7–5–66, Cl. 165—111.

Sweda, Adam D.: *See*—
Mowatt-Larssen, Rolf, and Sweda. 3,262,402.

Sweda, Adam D., to ACF Industries Inc. Collapsible support. 3,234,893, 2–15–66, Cl. 105—368.

Swedberg, Nils E., to Sundstrand Corp. Hydrostatic transmission. 3,253,411, 5–31–66, Cl. 60—53.

Swede, Harald G., and L. M. R. Wettlen, to Tepar A. G. Filled and sealed package. 3,232,514, 2–1–66, Cl. 229—17.

Sweden Freezer Mfg. Co.: *See*—
Clark, Charles W., Jr. 3,236,060.
Clark, Charles W., Jr. 3,258,030.
Patch, Robert S. 3,228,574.
Patch, Robert S. 3,273,585.

Swedish Crucible Steel Co.: *See*—
Watson, Robert E. 3,230,909.
Watson, Robert E. 3,254,363.
Watson, Robert E. 3,252,179.

Swedlow, Inc.: *See*—
Hubbard, Arthur T. 3,262,080.
Lampman, James A., Young, and Hardesty. 3,272,672.

Swedlund, Lloyd E., to Tektronix, Inc. Graticule lighting structure. 3,281,618, 10–25–66, Cl. 313—92.

Sweebe, Claude H.: *See*—
Wiggins, Glenn C., Frohreich, and Sweebe. 3,280,233.

Sweeney, B. K., Mfg. Co.: *See*—
Able, Edward T., and Krieger. 3,261,198.

Sweeney, George C., Jr.: *See*—
Dock, Mortimer R., Sweeney, and Chaloux. 3,240,007.

Sweeney, George J.: *See*—
O'Day, Cortland N., and Sweeney. 3,238,860.

Sweeney, George J., to Air Devices, Inc. Elongated rectangular air diffuser. 3,254,587, 6–7–66, Cl. 98—40.

Sweeney, John & Co.: *See*—
Sweeney, Martin A., Jr. 3,232,270.

Sweeney, Joseph J., and M. M. Egan, Jr. Nesting socket wrench. 3,274,865, 9–27–66, Cl. 81—185.

Sweeney, Joseph L.: *See*—
Farrar, Richard E., and Sweeney. 3,231,505.

Sweeney, Joseph P., to AMP Inc. Logic circuit. 3,290,513, 12–6–66, Cl. 307—88.

Sweeney, Joseph P., J. C. Mallinson, and W. K. English, to AMP Inc. Bi-directional magnetic core shift register. 3,231,873, 1–25–66, Cl. 340—174.

Sweeney, Martin A., Jr., to John Sweeney & Co. Animal beds. 3,232,270, 2–1–66, Cl. 119—1.

Sweeney, Patrick M., and L. L. Eberhart, to Consolidated Kinetics Corp. Apparatus for isolating vibrations. 3,239,186, 3–8–66, Cl. 248—358.

Sweeney, Theodore J., C. F. Adickes, and H. C. Lagassey, Jr., to Chicago United Products Co., Inc. Fastener assembly. 3,235,929, 2–22–66, Cl. 24—216.

Sweeney, Victor D., and W. U. Kaji, to Metal Pumping Services, Inc. Apparatus and process for adding solids to a liquid. 3,272,619, 9–13–66, Cl. 75—65.

Sweeney, Victor D., and W. U. Kaji, to Metal Pumping Services, Inc. Non-clogging pumps. 3,291,473, 12–13–66, Cl. 266—38.

Sweeney, William A., to Chevron Research Co. Removing organic matter from aqueous wastes. 3,248,324, 4–26–66, Cl. 210—11.

Sweeny, Allen N.: *See*—
De Vlieg, Charles B., and Sweeny. 3,292,238.

Sweeny, Allen N., to De Vlieg Machine Co. Adjustable tool holder. 3,232,144, 2–1–66, Cl. 77—58.

Sweeny, Allen N., to De Vlieg Machine Co. Adjustable tool holder. 3,262,184, 7–26–66, Cl. 29—96.

Sweeny, Arthur, Jr. Manufacture of fluorine derivatives of phenanthrenequinone. 3,243,444, 3–29–66, Cl. 260—396.

Sweeny, James O., and N. F. Walters, to General Electric Co. Strain insulator. 3,291,890, 12–13–66, Cl. 174—30.

Sweeny, James O., and W. D. Becker, to General Electric Co. Strain insulator for dead ending. 3,291,900, 12–13–66, Cl. 174—169.

Sweeny, Norman P.: *See*—
Schultz, Donald R., and Sweeny. 3,238,186.

Sweeny, Wilfred, to E. I. du Pont de Nemours and Co. Light-stable aromatic polyesters. 3,234,167, 2–8–66, Cl. 260—30.4.

Sweeny, Wilfred, to E. I. du Pont de Nemours and Co. N-aryl, n-hydroxyaryl carbamic acid halides. 3,278,594, 10–11–66, Cl. 260—544.

Sweeny, Wilfred, to E. I. du Pont de Nemours and Co. Polymeta-phenylene isophthalamides. 3,287,324, 11–22–66, Cl. 260—78.

Sweet, Alvin J.: *See*—
Sievenpiper, Frederic L., Reveley, and Sweet. 3,255,148.

Sweet, Corlise M. Combining cutting and bending in sawing wood. 3,227,197, 1–4–66, Cl. 144—312.

Sweet, Corlise M. Wood saws with holes for disposing of the saw dust. 3,262,475, 7–26–66, Cl. 143—133.

Sweet, Donald E.: *See*—
Proctor, Donald R., and Sweet. 3,259,841.
Proctor, Donald R., and Sweet. 3,283,244.
Stevens, Donald R., and Sweet. 3,294,685.

Sweet, Edmund G. F., to Beatty Bros. Ltd. Shaft and housing connection. 3,242,692, 3–29–66, Cl. 64—4.

Sweet, Harold C. Line marker. 3,239,147, 3–8–66, Cl. 239—150.

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Szarvasi, Etienne, and L. Neuvy, to Lipha, Lyonnaise Industrielle Pharmaceutique. New α-substituted carboxylic acid derivatives. 3,282,964, 11–1–66, Cl. 260—346.1.

Szarvasi, Etienne, and L. Neuvy, to Lipha, Lyonnaise Industrielle Pharmaceutique. Ethyl malonates disubstituted by at least one cyclic radical. 3,282,965, 11–1–66, Cl. 260—347.4.

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Szatkowski, Richard R., and R. A. Schnura, to Continental Can Co., Inc. Fabricated channel sections for belt conveyors. 3,253,696, 5–31–66, Cl. 198—102.

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Sziklai, George C., to Westinghouse Electric Corp. Reactance enhancing networks. 3,243,740, 3–29–66, Cl. 333—80.

Sziklai, George C., to Westinghouse Electric Corp. Negative reactance tuned circuit. 3,243,743, 3–29–66, Cl. 334—78.

Sziklai, George C., and J. W. Dzimianski, to Westinghouse Electric Corp. Semiconductor devices providing tunnel diode functions. 3,254,234, 5–31–66, Cl. 307—88.5.

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Sztybel, Leon, to Eico Electronic Instrument Co., Inc. Capacitance tester for performing capacitance measurements and open and short circuit tests. 3,255,409, 6–7–66, Cl. 324—60.

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Hickey, John J. 3,268,822.
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Howles, Daniel J. 3,256,052.
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Hudgens, Bernard C. 3,289,602.
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Jacob, Don M. 3,290,677.
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Nasvytis, Algirdas L. 3,287,986.
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Peterson, Joseph A. 3,230,705.
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Taber, David, E. E. Renfrew, and H. W. Pons, to American Aniline Products, Inc. Quaternary ammonium salts of halohydrin ether dyestuffs. 3,272,793, 9–13–66, Cl. 260—156.
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Taccone, Russell W. 3,273,207.
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Talalay, Leon, to The B. F. Goodrich Co. Rubber latex subjected to a freeze-thaw cycle in the presence of a plasticizer. 3,284,396, 11–8–66, Cl. 260—29.7.

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Talbert, Frank T., to Celanese Corp. of America. Recovery of trioxane from formaldehyde by extractive distillation in the presence of water or an alkylene glycol. 3,281,336, 10–25–66, Cl. 203—64.

Talbot, Charlie F. Process for treating used oil and gas well drilling liquids to recover the desired components thereof in a dry powder form. 3,276,966, 10–4–66, Cl. 175—66.

Talbot, Edward B. Cooling towers. 3,253,819, 5–31–66, Cl. 261—25.

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Talbot, James E., to FMC Corp. Method of forming a knot. 3,264,022, 8–2–66, Cl. 289—1.5.

Talbot, James E., to FMC Corp. Package supporting units. 3,277,849, 10–11–66, Cl. 108—58.

Talbot, Richard C., to Peters Machinery Co. Carton feeder. 3,231,063, 1–25–66, Cl. 198—34.

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Talbot, Yorck. Outside rear-view mirror for motor vehicles. 3,279,735, 10–18–66, Cl. 248—205.

Talbot, Yorck J. Rear vision mirror assembly for a vehicle, 3,265,878, 8–9–66, Cl. 240—4.2.

Talbot, Yorck J. Streamlined outside rear view mirror for motor vehicles. 3,283,654, 11–8–66, Cl. 88—98.

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Tallman, Clifford S., to Eutectic Welding Alloys. Arc welding apparatus. 3,263 056, 7–26–66, Cl. 219—75.

Tallman, Erven. Tightener for load ties. 3,279,759, 10–18–66, Cl. 254—165.

Tallon, Ronald J. Construction of wardrobes and other furniture. 3,269,791, 8–30–66, Cl. 312—257.

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Talv, Harry, to Ferro Corp. Method and apparatus for producing unwoven fabric. 3,275,489, 9–27–66, Cl. 156—181.

Tam, William A., to Chicago Bridge & Iron Co. Gas expansion apparatus. 3,255,610, 6–14–66, Cl. 62—401.

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Tamarin, Bernard J., to Pull Packaging, Inc. Packaging of cigars or the like. 3,272,321, 9–13–66, Cl. 206—41.2.

Tamarin, Bernard J. Cigarette packaging. 3,276,568, 10–4–66, Cl. 229—51.

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Tamblyn, John W., C. J. Kibler, and A. Bell, to Eastman Kodak Co. Heat stabilization of polyesters with built-in stabilizers. 3,227,680, 1–4–66, Cl. 260—47.

Tamblyn, John W., and G. M. Armstrong, to Eastman Kodak Co. Stabilization of poly-α-olefins by asphaltic substances. 3,278,472, 10–11–66, Cl. 260—28.5.

Tamburro, Peter J., to Bell Telephone Laboratories, Inc. Printed circuit connector. 3,243,762, 3–29–66, Cl. 339—176.

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Tames, Daniel. Surgical gown. 3,259,913, 7–12–66, Cl. 2—114.

Tamminen, Pentti J. Printed battery and method of making the same. 3,230,115, 1–18–66, Cl. 136—111.

Tamminen, Pentti J. Galvanic battery. 3,247,024, 4–19–66, Cl. 136—140.

Tamminen, Pentti J. Galvanic battery. 3,257,241, 6–21–66, Cl. 136—90.

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Tamplen, Jack W., to Otis Engineering Corp. Equalizing valve means. 3,273,649, 9–20–66, Cl. 166—224.

Tamplen, Jack W., to Otis Engineering Corp. Sealing devices. 3,278,192, 10–11–66, Cl. 277—116.2.

Tamplen, Jack W., to Otis Engineering Corp. Well packers. 3,292,938, 12–20–66, Cl. 277—116.2.

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Tamura, Mikio, Y. Konishi, and H. Hada, to Fuji Photo Film Co., Ltd. Photosensitive materials. 3,227,553, 1–4–66, Cl. 96—27.

Tamura, Naoji, and M. Horiuchi, to Kabushiki Kaisha Taiko Denki Seisakusho (Taiko Electric Works Ltd.). Pinch roller operating device for magnetic recorder. 3,285,486, 11–15–66, Cl. 226—180.

Tamura, Saburo, and Y. Sumiki, to Yashima Kagaku Kogyo Kabushiki Kaisha. Thiophosphate esters. 3,250,826, 5–10–66, Cl. 260—940.

Tamura, Shozo, and K. Takano, to Hitachi, Ltd. Color picture cathode-ray tubes with secondary-emissive index stripes and electron multiplier rings on tube wall. 3,249,787, 5–3–66, Cl. 313—92.

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Tamura, Zensuke, to Hitachi, Ltd. Method of starting once-through type boilers. 3,240,187, 3–15–66, Cl. 122—406.

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Tanabe, Katsumi, R. Takasaki, R. Hayashi, Y. Morisawa, T. Hashimoto, and Y. Okada, to Sankyo Co. Ltd. Process for preparing Δ⁴-3-ketosteroids. 3,272,800, 9–13–66, Cl. 260—239.55.

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Tanabe, Masato, to Schering Corp. Novel process for the conversion of a sapogenin to a 16-dehydro steroid and intermediates produced thereby. 3,294,785, 12–27–66, Cl. 260—239.55.

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Tanaka, Ichiro, J. Sawada, T. Misaki, and K. Fukuda, to Taisho Pharmaceutical Co., Ltd. Purification of cellulose. 3,251,750, 5–17–66, Cl. 195—66.

Tanaka, Ichiro, J. Sawada, T. Misaki, and H. Yasui, to Taisho Pharmaceutical Co., Ltd. Production of acid-stable proteolytic and amylolytic enzyme. 3,288,683, 11–29–66, Cl. 195—66.

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Tanaka, Kenji, 50/100 to Aoyama Kenkyujo and 50/100 to Amiki, Art Kabushiki Kaisha, d.b.a. Art Knitter Co. Ltd. Hand knitting machine. 3,250,093, 5–10–66, Cl. 66—60.

Tanaka, Ryukichi, K. Teramura, S. Yokoyama, K. Miyamoto, and S. Itoh, to Nitto Boseki Co., Ltd. Dyeing of polyolefin fibers in fast colours. 3,235,322, 2–15–66, Cl. 8—39.

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Tanaka, Yukio, to Kokusai Denki Kabushiki Kaisha. Intermediate-frequency electric power generating apparatus. 3,268,794, 8–23–66, Cl. 321—66.

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Tanck, Frank J., to Eastman Kodak Co. Method of assembling circuitry. 3,290,757, 12–13–66, Cl. 29—78.

Tancred, William L., to Controls Co. of America. Switch interlock mechanism. 3,253,090, 5–24–66, Cl. 200—5.

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Tanczos, Frank I., T. Davis, E. H. Smith, and J. W. Mullen, II, to United States of America, Navy. Ramjet missile. 3,273,334, 9–20–66, Cl. 60—35.6.

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Tausch, Gilbert H., to Camco, Inc. Well packer. 3,283,819, 11–8–66, Cl. 166—120.

Tausch, Gilbert H., to Camco, Inc. Fluid-actuated well packer. 3,283,820, 11–8–66, Cl. 166—120.

Tausch, Gilbert H., to Camco, Inc. Differential pressure sensing transducer. 3,289,479, 12–6–66, Cl. 73—407.

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Tauschek, Max J., to TRW Inc. Valve stem retainer lock. 3,273,856, 9–20–66, Cl. 251—337.

Tauschek, Max J., to TRW Inc. Valve stem lock tool. 3,284,887, 11–15–66, Cl. 29—249.

Tauss, Kurt H., to Courtaulds North America Inc. Diethanol sulfone-formaldehyde modification of cellulose catalyzed by a Lewis acid salt. 3,269,797, 8–30–66, Cl. 8—116.4.

Taussig, Frederick, to Arundale Manufacturers, Inc. Snap lock device for plastic parts. 3,285,637, 11–15–66, Cl. 287—20.92.

Tautz, William P.: *See*—
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Tavera, Antonio. Coffee maker. 3,270,658, 9–6–66, Cl. 99—295.

Tavera, Antonio. Prepacked coffee containing cartridge. 3,270,659, 9–6–66, Cl. 99—295.

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Tax, Johann, also known as Hans Tax. Tower crane with auxiliary hoist. 3,265,360, 8–9–66, Cl. 254—173.

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Taylor, Alan K., and A. Turnovszky, to Concast AG. Apparatus for longitudinal reciprocation of a mold for continuous casting. 3,292,215, 12–20–66, Cl. 22—57.2.

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Taylor, Alfred H., A. C. W. Ford, and C. P. Steeper, to Hugh Steeper Ltd. Remote alternator for selective actuation of prosthetic limbs and surgical appliances. 3,273,169, 9–20–66, Cl. 3—12.3.

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Taylor, Anthony J., and R. J. Hawkins, to Babcock & Wilcox Ltd. Heat exchangers. 3,277,958, 10–11–66, Cl. 165—145.

Taylor, Arthur R., to Ryan Thermometer Co. Recording thermometer container. 3,232,475, 2–1–66, Cl. 220—57.

Taylor, Arthur S., to American Cyanamid Co. Collagen film. 3,285,903, 11–15–66, Cl. 260—123.7.

Taylor, Arthur S., and I. S. Danielson, to American Cyanamid Co. Disposable intracutaneous injector. 3,246,647, 4–19–66, Cl. 128—253.

Taylor, Bert L. Expansible hand carrying case for school books, papers, and the like. 3,280,871, 10–25–66, Cl. 150—52.

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Taylor, Challen E., and R. G. Hall, to The Goodyear Tire & Rubber Co. Apparatus for extruding. 3,246,366, 4–19–66, Cl. 18—14.

Taylor, Charles E., to General Electric Co. Mounting means for an electron discharge device. 3,253,084, 5–24–66, Cl. 174—52.

Taylor, Chester F., and V. Rappa. Multi-purpose trailers. 3,266,836, 8–16–66, Cl. 296—10.

Taylor, Christopher G., to Service Distributors, Inc. Coin metering apparatus for multiple machine installations. 3,250,877, 5–10–66, Cl. 200—92.

Taylor, Clarence R., R. H. Harnischfeger, and W. C. Wilson, to Eastman Kodak Co. Paper sheet-feed roller. 3,235,940, 2–22–66, Cl. 29—125.

Taylor, Clyde L. Agricultural tool carrier. 3,252,522, 5–24–66, Cl. 172—414.

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Taylor, David A., Jr., and J. J. Huber, to Walker Mfg. Co. and Display Corp. Animated display device. 3,258,868, 7–5–66, Cl. 40—106.53.

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Taylor, Donald O., to Scovill Mfg. Co. End stop for plastic zipper. 3,263,291, 8–2–66, Cl. 24—205.11.

Taylor, Donald O., to Scovill Mfg. Co. Registering device for gap spacing. 3,273,229, 9–20–66, Cl. 29—200.

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Markgraf, John H., and Taylor. 3,249,640.

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Taylor, Elvin A., to Plymouth Stamping Co. Method of assembling bearing elements. 3,259,962, 7–12–66, Cl. 29—148.4.

Taylor, Elvin A., to Plymouth Stamping Co. Thread rolling and machining apparatus. 3,282,080, 11–1–66, Cl. 72—206.

Taylor, Ernest A., Jr., to Monsanto Co. Strand annealers. 3,230,637, 1–25–66, Cl. 34—156.

Taylor, Frank. Center beam railroad car. 3,244,120, 4–5–66, Cl. 105—414.

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Taylor, Frank A., 50% to A. Y. Dowell, and A. Y. Dowell, Jr. Refrigerating jacket. 3,262,283, 7–26–66, Cl. 62—372.

Taylor, Frank F., to Bell Telephone Laboratories, Inc. Flagging of selected groups of code signals. 3,273,121, 9–13–66, Cl. 340—146.1.

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Taylor, George F. Apparatus for shelling peas, beans and the like. 3,238,950, 3–8–66, Cl. 130—30.

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Taylor, George W. Pattern for simultaneously forming an integral mould and core. 3,278,995, 10–18–66, Cl. 22—9.

Taylor, George W. C., K. J. Holloway, and A. T. Thomas, to Minister of Aviation in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Compact rounded granular tetrazene of reduced sensitivity and method of preparation incorporating anionic dispersing agents. 3,238,075, 3–1–66, Cl. 149—2.

Taylor, George W. C., J. R. White, and C. H. Miller, to Minister of Aviation in Her Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Process for primary explosives containing boron having reduced electrostatic sensitivity. 3,238,076, 3–1–66, Cl. 149—22.

Taylor, George W. C., and S. E. Napier, to Minister of Aviation of Her Britannic Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Lead styphnate containing methyl cellulose. 3,291,663, 12–13–66, Cl. 149—24.

Taylor, George W. C., and S. E. Napier, to Minister of Aviation in Her Britannic Majesty's Government of the United Kingdom of Great Britain and Northern Ireland. Preparation of explosive substances containing carboxymethyl cellulose. 3,291,664, 12–13–66, Cl. 149—24.

Taylor, Glenn, to United States of America, Army. High pressure quick opening valve. 3,257,026, 6–21–66, Cl. 220—89.

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Taylor, Harold L., and R. L. Winn, to Inland Steel Co. Apparatus and method for automatically controlling the removal of excess coating from running lengths of material. 3,251,710, 5–17–66, Cl. 117—102.

Taylor, Harry W., to Smyth Europea S.p.A. Bookcover manufacturing machine. 3,237,223, 3–1–66, Cl. 11—2.

Taylor, Henry J., and J. A. Fry, to The De Havilland Aircraft of Canada, Ltd. Extensible retractable stem device. 3,243,132, 3–29–66, Cl. 242—54.

Taylor, Herbert A., and J. E. Lloyd, to United Kingdom Atomic Energy Authority. Processing of fissile and fertile material for nuclear reactors. 3,249,400, 5–3–66, Cl. 23—14.5.

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Goldman, David. 3,277,907.

Taylor, Howard U.: *See*—
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Tate, Kenneth L., Jaquith, Hopkins, and Nichols. 3,256,740.
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Taylor, Irving R., and A. L. Williams, to The McKay Machine Co. Method of and apparatus for joining strip material. 3,256,419, 6–14–66, Cl. 219—83.

Taylor, Irving R., and J. F. Deffenbaugh, to Federal-Warco Division of The McKay Machine Co. Methods of and apparatus for welding. 3,265,853, 8–9–66, Cl. 219—82.

Taylor, Isabel. Chair leg cover. 3,289,995, 12–6–66, Cl. 248—345.1.

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Taylor, John H., to Imperial Chemical Industries Ltd. Process for chlorinating vinyl chloride polymers with an oxygen catalyst. 3,287,336, 11–22–66, Cl. 260—87.1.

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Taylor, John J. Security rivet. 3,250,171, 5–10–66, Cl. 85—8.1.

Taylor, John J., to The Ohio Brass Co. Suppressors for transmission line conductors. 3,264,400, 8–2–66, Cl. 174—42.

Taylor, John R., to Allied Chemical Corp. Safety package for dangerous liquids. 3,241,209, 3–22–66, Cl. 215—12.

Taylor, John W.: *See*—
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Taylor, John W. Weeding tool. 3,272,548, 9–13–66, Cl. 294—50.9.

Taylor, Joseph W.: *See*—
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Bossinger, Charles D., and Taylor. 3,265,728.
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Taylor, Maurice E., to Gulf Research & Development Co. Self-adjusting inverse filter. 3,287,695, 11–22–66, Cl. 340—15.5.

Taylor, Maurice I., to Rolls-Royce Ltd. Aircraft engine assembly. 3,292,368, 12–20–66, Cl. 60—39.31.

Taylor, Maurice K., F. E. Paine, and A. L. Stelmach, to Ferranti-Packard Electric Ltd. Vehicle detector with capacitor storage element. 3,266,028, 8–9–66, Cl. 340—258.

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Taylor, Norman E.: *See*—
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Taylor, Norman R.: *See*—
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Taylor, Robert B., R. G. Walker, and S. D. Payne. Collator. 3,269,721, 8–30–66, Cl. 270—58.

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Bray, John R., Marshall, McGlaughlin, Price, and Taylor. 3,241,779.
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Taylor, Robert E.: *See*—
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Taylor, Robert N., to General Electric Co. Feeding and positioning apparatus. 3,241,710, 3–22–66, Cl. 221—176.

Taylor, Robert S. Refrigeration systems and methods of refrigeration. 3,273,350, 9–20–66, Cl. 62—101.

Taylor, Roland C., and F. L. O'Brien, to The Western Union Telegraph Co. Transistor stabilized oscillator with tapped coil. 3,251,005, 5–10–66, Cl. 331—109.

Taylor, Ruel E., Jr., to S. D. Warren Co. Reverse transport for flexible sheets. 3,273,886, 9–20–66, Cl. 271—45.

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Taylor, Stanford E. Method of teaching. 3,279,098, 10–18–66, Cl. 35—35.

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Taylor, Thomas G., Jr., to Dayton Precision Corp. Mold apparatus for making sub-flush commutators. 3,293,694, 12–27–66, Cl. 18—36.

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Taylor, Wilfred V., to Roma Industries Pty. Ltd. Dispenser with nipple-type control valves. 3,258,175, 6–28–66, Cl. 222—380.

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Taylor, William B. Fuse foot having bracket including interconnected relatively large and small loop portions. 3,242,288, 3–22–66, Cl. 200—114.

Taylor, William C. Golf putter including alignment leveling means and misalignment preventive means. 3,240,497, 3–15–66, Cl. 273—163.

Taylor, William C., and G. R. Grafius, to Automation Devices, Inc. Method and apparatus for aligning and orienting components. 3,288,267, 11–29–66, Cl. 198—33.

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Taylor, William S., and R. C. Whithead, Jr., to Honeywell Inc. Method of measuring the percent of fat in animal tissue. 3,282,115, 11–1–66, Cl. 73—432.

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Tesoro, Giuliana C., to J. P. Stevens & Co., Inc. Chemical composition, process using same and resulting product. 3,285,798, 11–15–66, Cl. 161—92.

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Tessier, Aram J., to T & T Mfg. Co. Writing instrument. 3,289,637, 12–6–66, Cl. 120—18.

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Testa, Emilio, and G. Maffii, to Lepetit S.p.A. Antitussive composition. 3,290,212, 12–6–66, Cl. 167—55.

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Textile Rubber and Chemical Co., Inc.: *See*—
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Textron Electronics, Inc.: *See*—
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Hempel, Roy A. 3,260,995.
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Textron Inc.: *See*—
Black, Allen V., Turner, and Waters. 3,261,641.
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Buckminster, Lloyd A. 3,271,912.
Findley, Howard J. 3,232,170.
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Good, James L. 3,287,556.
Greby, Daniel F. 3,272,576.
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Hoyt, Herbert L. 3,238,761.
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Putetti, Anthony M. 3,241,353.
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Stevens, Joseph W. 3,276,024.
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Textron Industries, Inc.: *See*—
Carlson, Raymond H. 3,263,480.
Carlson, Raymond H. 3,263,533.
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Kobayashi, Takuro, and Tezuka. 3,249,736.

Thackara, William C., and B. S. Sanderson III, to National Lead Co. Automatic sample changer for X-ray diffractometer. 3,263,078, 7–26–66, Cl. 250—51.5.

Thacker, Hugh P., to H. A. Warren. Variable-effect shotgun choke. 3,229,402, 1–18–66, Cl. 42—79.

Thackeray, William E., to Norman F. Agricola. Self-gripping hair curler. 3,275,007, 9–27–66, Cl. 132—40.

Thaeter, Hans, and H. Bredemeier. Crane arrangement for use on board a ship. 3,228,534, 1–11–66, Cl. 212—3.

Thal, William, and G. H. Temple, to Alamac Knitting Mills, Inc. Apparatus for creating designs in pile fabrics. 3,256,-581, 6–21–66, Cl. 26—2.

Thaldorf, Dick L.: *See*—
Boyd, James W., and Thaldorf. 3,289,911.

Thalenfeld, David R. Support element or the like for perforated panels. 3,289,993, 12–6–66, Cl. 248—225.

Thaler, Frank H., to Radio Corp. of America. Method of manufacturing a heater. 3,245,132, 4–12–66, Cl. 29—25.14.

Thallner, Karl A., to I-T-E Circuit Breaker Co. High voltage double break air switch with damping resistors. 3,235,694, 2–15–66, Cl. 200—146.

Thalmann, Armin, to Concast AG. Method and a device for continuous casting. 3,237,251, 3–1–66, Cl. 22—57.2.

Thalmann, Armin, to Concast A.G. Method and apparatus for continuous casting utilizing solidified skin thickness determinations. 3,270,376, 9–6–66, Cl. 22—57.2.

Thames, Preston B.: *See*—
McGarvey, William H., Thames, and Shepherd. 3,246,-188.

Thannhauser, Fred G. Thermosyphon solar heat cell. 3,254,-644, 6–7–66, Cl. 126—271.

Thareau, Gerard: *See*—
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Tharp, James A., to Square D Co. Handle locking attachment for electrical control devices. 3,291,924, 12–13–66, Cl. 200—42.

Tharp, Richard R.: *See*—
Bogs, Charles W., and Tharp. 3,275,982.

Thassy, Michael G., to International Harvester Co. High fraction gasket and method of manufacturing same. 3,279,-972, 10–18–66, Cl. 161—53.

Thatcher, Chester R. Loading device for pickups and other vehicles. 3,276,610, 10–4–66, Cl. 214—77.

Thatcher, Donald L., and T. R. Stauber. Stadium seat construction. 3,241,884, 3–22–66, Cl. 297—416.

Thatcher, Donald N., to E. I. du Pont de Nemours and Co. Free flowing crystalline organic detonating compound with organic fluorine polymers. 3,291,666, 12–13–66, Cl. 149—92.

Thatcher Glass Mfg. Co., Inc.: *See*—
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Saumsiegle, Robert W., and Wiley. 3,237,243.

Thatcher, Harold L.: *See*—
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Thatcher, Harry W., to Draper Corp. Shuttle feeler. 3,280,-854, 10–25–66, Cl. 139—253.

Thatcher, Harry W., and G. S. Robinson, to Draper Corp. Bobbin gate control for looms. 3,227,189, 1–4–66, Cl. 139—251.

Thatcher, Lewis E., to Gaylord Products, Inc. Hair clip. 3,250,282, 5–10–66, Cl. 132—46.

Thatcher, Lewis E., to Gaylord Products, Inc. Hair roller with deflectable teeth. 3,276,456, 10–4–66, Cl. 132—40.

Thatcher, Melville G. W., Jr. Extensible ladder and support. 3,265,155, 8–9–66, Cl. 182—27.

Thatcher, Robert R., to General Electric Co. A.C. switch. 3,286,158, 11–15–66, Cl. 323—22.

Thatcher, Samuel A., Jr. Simulated bowling game with inclined board, cylindrical projectile and indicia target zones. 3,268,227, 8–23–66, Cl. 273—108.

Thate, Kurt: *See*—
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Thayer, Arlie J.: *See*—
Thimberlake, John R., Halstensgard, and Thayer. 3,241,-478.
Timberlake, John R., Halstensgard, and Thayer. 3,275,-115.

Thayer, George L., Jr.: *See*—
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Thayer, Helen I., to Gulf Research & Development Co. Bacteria-inhibited fuel composition. 3,259,478, 7–5–66, Cl. 44—75.

Thayer, Inc.: *See*—
Shaw, Harold F., Sarasin, and Burnham. 3,259,426.
Thayer, Josephus J. 3,229,869.

Thayer, James H.: *See*—
Kurz, Robert E., and Thayer. 3,250,539.

Thayer, Jean M.: *See*—
Fearon, Robert E., and Thayer. 3,253,148.

Thayer, Josephus J., to Thayer, Inc. Bow-forming machine. 3,229,869, 1–18–66, Cl. 223—46.

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Garnjost, Kenneth D., Geyer, Hawk, Montgomery, and Thayer. 3,257,911.

Theckston, Dana L. Wiper blade with embedded heating element. 3,249,959, 5–10–66, Cl. 15—250.06.

Theile, Fred C., and P. Sgaramella, to United States of America, Agriculture. Nonsticky aluminum-containing antiperspirant. 3,287,223, 11–22–66, Cl. 167—90.

Theile, Kenneth W.: *See*—
Cambre, Cushman M., and Theile. 3,239,560.

Theiler, Robert, to Alofin Verwaltungs- & Finanzierungs-Aktiengesellschaft. Machines for the production and packing of cakes of kneadable material. 3,237,368, 3–1–66, Cl. 53—122.

Theimer, Ernst T.: *See*—
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Theimer, Ernst T., and S. Lemberg, to International Flavors & Fragrances, Inc. Substituted benzenes. 3,275,701, 9–27–66, Cl. 260—668.

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Bizzoco, Felix F., and Theis. 3,228,287.

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Theisen, John W. Railing holding device. 3,227,477, 1–4–66, Cl. 287—56.

Theisen, John W. Stair structure. 3,290,839, 12–13–66, Cl. 52—188.

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Theiss, Calvin M., to General Motors Corp. Inertial guidance system. 3,237,887, 3–1–66, Cl. 244—14.

Theits, Russell M., K. H. Groth, W. V. Medin, and R. E. Lay, to Northwest Airlines, Inc. Thrust reversing device for fan type jet engines. 3,280,562, 10–25–66, Cl. 60—229.

Thelan, Yves. Means for an eye-link for chains. 3,282,045, 11–1–66, Cl. 59—93.

Thelen, Alfred J., to Optical Coating Laboratory, Inc. Optical coating and assembly used as a band pass interference filter reflecting in the ultraviolet and infrared. 3,247,392, 4–19–66, Cl. 250—226.

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Thelen, Ray J. Partially yeast-chemically-leavened laminated foodstuffs. 3,250,625, 5–10–66, Cl. 99—86.

Thelen, Ray J. Cooked chemically-leavened food laminates. 3,250,626, 5–10–66, Cl. 99—86.

Thelen, Ray J. Puff pastry-chemically-leavened paste laminates. 3,250,627, 5–10–66, Cl. 99—92.

Them, Edward G., to Therm-O-Disc, Inc. Time delay relay. 3,258,565, 6–28–66, Cl. 200—122.

Them, Edward G., to Therm-O-Disc Inc. Mounting assemblies. 3,276,599, 10–4–66, Cl. 211—26.

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Theobald, Hermann T., to Telefonaktiebolaget L M Ericsson. Reed-type switching device. 3,261,957, 7–19–66, Cl. 200—166.

Theobald, Paul R.: *See*—
Stalnecker, Stewart G., Jr., and Theobald. 3,240,601.

Theodore Equipment Corp.: *See*—
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Theodore, George: *See*—
Nervig, Charles H., and Theodore. 3,285,425.

Theodorides, Panagiotis C. Outlet box with opposed wall engaging means. 3,283,937, 11–8–66, Cl. 220—3.6.

Theodorou, Ignatius E., to Technical Operations Inc. Photographic developing process for producing positive or negative images. 3,279,920, 10–18–66, Cl. 220—63.

Theodoseau, Nicholas: *See*—
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Therachemie Chemisch-Therapeutische Gesellschaft m.b.H.: *See*—
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Theriault, Gerald E.: *See*—
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Theriault, Gerald E., to Radio Corp. of America. Phase detector. 3,233,122, 2–1–66, Cl. 307—88.5.

Theriault, Gerald E., to Radio Corp. of America. Direct coupled circuit utilizing field-effect transistors. 3,233,186, 2–1–66, Cl. 330—19.

Theriault, Gerald E., to Radio Corp. of America. Field-effect transistor translating circuit. 3,260,948, 7–12–66, Cl. 330—18.

Theriault, Gerald E., to Radio Corp. of America. Color television receiver including transistorized color killer. 3,272,-915, 9–13–66, Cl. 178—5.4.

Theriault, Gerald E., to Radio Corp. of America. Semiconductor signal translating circuit. 3,290,613, 12–6–66, Cl. 331—117.

Thermal Dynamics Corp.: *See*—
Browning, James A. 3,272,959.

Thermal Engineering Corp.: *See*—
Best, Willie H. 3,277,948.

Thermalouver Corp.: *See*—
Horner, Carl L. 3,202,309.

Thermal Syndicate Ltd., The: *See*—
Jack, Kenneth H., and Winterburn. 3,228,760.
Jack, Kenneth H., and Winterburn. 3,228,761.
Winterburn, John A. 3,275,408.

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Norton, William H. 3,286,082.
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Thermo-Couple Products Co., Inc.: *See*—
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Therm-O-Disc.: *See*—
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Thermo Electric Co., Inc.: *See*—
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Thermovac Industries Corp.: See—
Kapeker, Martin. 3,246,674.
Kapeker, Martin. 3,279,199.

Thermowave Corp.: *See*—
Haagensen, Duane B. 3,281,568.

Thery, Xavier. Apparatus for the hot stretching of threads and especially of synthetic textile filaments. 3,266,084, 8–16–66, Cl. 18—1.

Thesier, Patrick A., to The Bendix Corp. Tilt valve. 3,232,-059, 2–1–66, Cl. 60—54.6.

Thesing, Jan., E. Gams, K. Schulte, and S. Sommer, to E. Merck. 3,4-dihydro-benzoxazinones (1,3,2) as an analgesic agent. 3,294,635, 12–27–66, Cl. 167—52.

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Thevenaz, Louis, to Thorens S.A. Automatic record changer. 3,264,003, 8–2–66, Cl. 274—10.

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Thevenet, Albert, to Manufacture de Machines du Haut-Rhin. Devices for fixing and introducing bars into the spindles of machine tools. 3,262,583, 7–26–66, Cl. 214—1.1.

Thevenet, Albert. Driving arrangement for the threading tool of automatic lathes. 3,285,108, 11–15–66, Cl. 82—5.

Thevenon, Henri, to Compagnie Generale d'Electricite. High voltage power cable insulated by impregnated synthetic material and method. 3,263,020, 7–26–66, Cl. 174—25.

Thevis, Paul, to Olympia Werke A.G. Printing mechanism for business machines. 3,232,223, 2–1–66, Cl. 101—94.

Thevis, Paul, to Olympia Werke AG. Apparatus for reducing the number of dividing movements of a calculator. 3,260,-452, 7–12–66, Cl. 235—63.

Thiara, Dalel S.: *See*—
Von Schmeling, Bogislav, Kulka, Thiara, and Harrison. 3,249,499.

Thibodeaux, Robert, 33⅓% to H. P. Meaux, and 33⅓% to H. B. Lipsius. Musical instrument. 3,290,981, 12–13–66, Cl. 84—326.

Thiede, Paul W., and C. L. Deeken, to Hurletron Inc. Edge monitor device. 3,232,547, 2–1–66, Cl. 242—57.1.

Thiel, Alfons W. Process for the production of thin-walled plastic articles. 3,283,045, 11–1–66, Cl. 264—89.

Thiel, Charles J., and L. J. Michaels. Amalgam mixing capsule. 3,229,963, 1–18–66, Cl. 259—29.

Thiel, Max, and K. Stach, to C. F. Boehringer & Soehne G.m.b.H. Hydrogenation process for the preparation of piperidyl-(4)-ethers. 3,287,460, 11–22–66, Cl. 260—293.2.

Thiel, Robert I. Variable line spacing device for typewriters. 3,280,957, 10–25–66, Cl. 197—114.

Thiel, Roger C.: *See*—
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Thiele, Edward G., and R. D. Burgess, to Champion Papers, Inc. Wiener orienter. 3,272,331, 9–13–66, Cl. 209—74.

Thiele, Ernst. Valveless pump for liquids. 3,289,594, 12–6–66, Cl. 103—76.

Thiele, Francis G., to Ross and White Co. Vehicle cleaning apparatus. 3,261,369, 7–19–66, Cl. 134—123.

Thiele, Friedrich, and F. Kovac, deceased (by W. Kovac, heir, and A. Kovac, guardian of minor heir). Flexible metal band for drum bake ovens. 3,267,877, 8–23–66, Cl. 107—58.

Thiele, Gunther, to North American Philips Co., Inc. Integrator with automatic compensation of the variation of the zero-point. 3,228,230, 1–11–66, Cl. 73—27.

Thiele, Hans: *See*—
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Thiele, Hans, to Spinnfaser Aktiengesellschaft. Fiber packing process. 3,228,166, 1–11–66, Cl. 53—24.

Thiele, Kurt, and A. Gross, to Deutsche Gold-und Silber-Scheideanstalt vormals Roessler. 2-{N-[omega-phenyl-omega-thienyl-alkyl-(1)]}-amino-3-phenyl-propane. 3,251,858, 5–17–66, Cl. 260—332.3.

Thiele, Walter E.: *See*—
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Thiele, Willi: *See*—
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Thielen, David E. and A. H., and E. C. Droege, to Electro-Pump. Liquid dispensing mechanism. 3,278,082, 10–11–66, Cl. 222—20.

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Thielman, Russell F., to TRW Inc. Integrated thrust vector control system. 3,237,890, 3–1–66, Cl. 244—52.

Thiels, Albert F., to Gevaert Photo-Producten N.V. Lamp house for photographic enlarging and printing devices. 3,241,437, 3–22–66, Cl. 88—24.

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Thielsch, Helmut J., to Grinnell Corp. Method of welding pipe. 3,227,849, 1–4–66, Cl. 219—61.

Thiem, Darold W., and G. W. Gottschalk, to Universal Refractories Corp. Disposable hot top. 3,271,000, 9–6–66, Cl. 249—197.

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Thier, Bernd, to Chemische Werke Huls Aktiengesellschaft. Rotating coil distributor-conveyor for cylindrical film evaporator. 3,266,555, 8–16–66, Cl. 159—6.

Thier, Bernd, and H. Ott, to Chemische Werke Huls Aktiengesellschaft. Pump apparatus. 3,238,891, 3–8–66, Cl. 103—203.

Thiermann, William E. Apparatus for pole setting. 3,236,398, 2–22–66, Cl. 214—3.

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Thiesse, Rene J. H., to Rhone-Poulenc S.A. Preparation of organic silicon derivatives. 3,277,136, 10–4–66, Cl. 260—448.8.

Thigpen, Hubert H., W. E. Taylor, and A. W. Schnizer, to Celanese Corp. of America. Oxidation process using peracetic acid. 3,278,562, 10–11–66, Cl. 260—348.5.

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Thome, Paul, to Commissariat a l'Energie Atomique. Nuclear reactor fuel element assembly. 3,284,315, 11–8–66, Cl. 176—76.

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Thompson, Albert L., to General Motors Corp. Pressure regulating device. 3,262,436, 7–26–66, Cl. 123—119.

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Thompson, Benjamin, to Eastman Kodak Co. Allenic alcohols and process of manufacturing them. 3,236,901, 2–22–66, Cl. 260—638.

Thompson, Benjamin, and S. D. Neely, to Eastman Kodak Co. Preparation of benzenecarboxylic acid. 3,240,803, 3–15–66, Cl. 260—524.

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Thompson, Blair C., C. C. Perkins, J. Shifman, and S. J. Pezely, to Burroughs Corp. Automatic interrupt system for a data processor. 3,286,239, 11–15–66, Cl. 340—172.5.

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Thompson, Carl E., and A. W. Secoy, to Anchor Hocking Glass Corp. Gripping device. 3,232,657, 2–1–66, Cl. 294—16.

Thompson, Carl J. Disengageable differential gear. 3,227,003, 1–4–66, Cl. 74—710.

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Thompson, Francis T., and B. R. Dow, to Westinghouse Electric Corp. Vibration detection apparatus. 3,252,001, 5–17–66, Cl. 307—88.5.

Thompson, Fred. Truck unloading structure. 3,247,983, 4–26–66, Cl. 214—38.

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Thompson, Gordon B., to Northern Electric Co. Ltd. Fader amplifier including a differential gain control mechanism. 3,260,954, 7–12–66. Cl. 330—69.

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Thompson, Ivan P., W. C. Weidner, and A. J. Miller, to Union Carbide Corp. Apparatus for round bar scarfing. 3,249,349, 5–3–66, Cl. 266—23.

Thompson, Jack M. Insurance vending machine. 3,253,689, 5–31–66, Cl. 194—9.

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Thompson, James F., and C. A. Zito, to International Business Machines Corp. Channel status checking and switching system. 3,286,240, 11–15–66, Cl. 340—172.5.

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Thompson, Marion L. Spring for biasing a rocker arm and mounting therefor. 3,270,725, 9–6–66, Cl. 123—90.

Thompson, Maynard L., to Honeywell Inc. Humidity control with positive switch actuation means. 3,288,961, 11–29–66, Cl. 200—61.06.

Thompson, Miles C. Trash separator for suction cleaners. 3,236,033, 2–22–66, Cl. 55—307.

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Thompson, Richard R. Adapter to permit the burning of LPG fuels in normally liquid-fuel burning stoves. 3,294,079, 12–27–66, Cl. 126—38.

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Thompson, Robert G., to Dodge Mfg. Corp. Coupling. 3,250,090, 5–10–66, Cl. 64—11.

Thompson, Robert G., and R. K. Gottfredson, to United States of America, Navy. Solubility acceleration additive for mixing non-newtonian fluids. 3,286,674, 11–22–66, Cl. 114—67.

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Thompson, Tom H., to Daytona Thompson Corp. Pump and releasable housing therefor. 3,270,686, 9–6–66, Cl. 103—162.

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Thompson, William E., to General Motors Corp. Die casting machine. 3,239,896, 3–15–66, Cl. 22—70.

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Thomsen, Alfred. Spreading device for fine strewing material such as salt or fertilizer. 3,275,199, 9–27–66, Cl. 222—313.

Thomsen, Christen C.: *See*—
Fleischer, Sven S. C., Thomsen, Hofmann, and Rossborg. 3,289,705.

Thomsen, Harry S., to Dresser Industries, Inc. Borehole induction logging system utilizing the quadrature signal component as an indication of formation conductivity. 3,259,838, 7–5–66, Cl. 324—6.

Thomsen, Jack W.: *See*—
Moe, Gerald A., and Thomsen. 3,251,568.

Thomsen, Sore M.: *See*—
Messineo, Paul J., and Thomsen. 3,294,569.

Thomson, Arthur J., G. R. Achin, and F. Rynhart, to Texas Instruments Inc. Contact member stock comprising a strip of electrically conductive metal and bonded thereto a sequence of spaced malleable metal balls adapted to be flattened. 3,275,425, 9–27–66, Cl. 29—183.5.

Thomson, Charles, to Solar Thomson Engineering Co. Ltd. Tensioning means for a belt conveyor. 3,261,452, 7–19–66, Cl. 198—208.

Thomson, Charles, to Solar Thomson Engineering Co. Ltd. Coupled drive means for belt conveyors. 3,268,065, 8–23–66, Cl. 198—203.

Thomson, Edward T.: *See*—
Houpt, Grover K., and Thomson. 3,287,680.

Thomson, Elihu C., to Electronics Corp. of America. Radiation detection device circuits for use in flame sensing. 3,274,580, 9–20–66, Cl. 340—228.

Thomson, Elihu C., to Electronics Corp. of America. Failsafe control apparatus. 3,288,195, 11–29–66, Cl. 158—28.

Thomson, Francis D.: *See*—
Taylor, John E. G., McQuain, Fox, Bowman, and Thomson. 3,290,331.

Thomson, Frederick M., Jr., to E. I. du Pont de Nemours and Co. Solids blending apparatus. 3,273,864, 9–20–66, Cl. 259—97.

Thomson, George M., and J. S. Malcolm, to The Bendix Corp. Gas pressure operated rate gyroscope. 3,254,538, 6–7–66, Cl. 74—5.7.

Thomson, Henry A., to Eastman Kodak Co. Means for restraining webs during threading. 3,265,266, 8–9–66, Cl. 226—39.

Thomson, Homer G., to Allen-Bradley Co. Composition resistor with embedded terminal lead head. 3,238,490, 3–1–66, Cl. 338—273.

Thomson-Houston Compagnie Francaise: *See*—
Beurtheret, Charles A. E. 3,280,897.
Forestier, Henri G. P. 3,249,936.

Thomson, James A., to Sperry Rand Corp. Open shelf filing structures. 3,247,809, 4–26–66, Cl. 108—6.

Thomson, James E., to Western Stamping Corp. Ribbon drive for typewriter construction. 3,239,050, 3–8–66, Cl. 197—151.

Thomson, John B. Mounting for round machine ways. 3,284,035, 11–8–66, Cl. 248—23.

Thomson, John E., to Engineered Equipment, Inc. Concrete spreading and finishing machine. 3,294,001, 12–27–66, Cl. 94—45.

Thomson, John E., J. V. Landry, Jr., and M. W. Zembal, to The Dow Chemical Co. Hot-melt extrusion coating of random copolymer of ethylene and mono-carboxylic acid. 3,239,370, 3–8–66, Cl. 117—138.8.

Thomson, John E., and H. E. Ross, to The Dow Chemical Co. Film compositions comprising a terpolymer of ethylene one other alpha-olefin and a vinyl ester. 3,240,766, 3–15–66, Cl. 260—80.5.

Thomson, Judson L., Mfg. Co.: *See*—
Baker, Colin L. 3,253,440.

Thomson, Kenneth W.: *See*—
McClellan, Bion W., and Thomson. 3,228,743.
Mitchell, John D., Thomson, and Brown. 3,240,550.

Thomson, Marvin G.: *See*—
Musschoot, Albert, and Thomson. 3,232,431.

Thomson, Monroe G. Cigarette-snuffing attachment for ash trays. 3,291,138, 12–13–66, Cl. 131—256.

Thomson, Richard N.: *See*—
Martin, Erwin H. E., Thomson, and Norbury. 3,285,003.

Thomson, Richard N., to Dunlop Rubber Co. Ltd. Buoyancy devices. 3,237,221, 3–1–66, Cl. 9—8.

Thomson, Richard N., to Dunlop Rubber Co. Ltd. Load or vehicle supporting devices. 3,272,172, 9–13–66, Cl. 115—1.

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Thomson-Varian: *See*—
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Thon, Friedrich: *See*—
Herrmann, Karl-Heinz, and Thon. 3,263,109.

Thonen, Elwood K. Golf club carrier. 3,232,503, 2–1–66, Cl. 224—45.

Thor Power Tool Co.: *See*—
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Kramer, Leo. 3,263,449.
Rebechini, Peter G. 3,247,408.
Rebechini, Peter G., and Shulters. 3,243,130.

Thorborg, Olof V. Headed fastener with lock. 3,288,191, 11–29–66, Cl. 151—38.

Thorburn, David H., to The Powers Regulator Co. Pneumatic tube signal system — magnetic. 3,229,929, 1–18–66, Cl. 243—1.

Thorburn, David H., to The Powers Regulator Co. Thermostatic pressure transmitter. 3,241,761, 3–22–66, Cl. 236—87.

Thorburn, David H., and F. J. Knight, to The Powers Regulator Co. Mechanism for injecting a cartridge into a pneumatic carrier tube. 3,237,883, 3–1–66, Cl. 243—25.

Thordarson, Jon. Fishing reel assembly. 3,292,906, 12–20–66, Cl. 254—173.

Thore, Thomas J., to The Singer Co. Dial needle selection mechanism. 3,228,211, 1–11–66, Cl. 66—15.

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Thevenaz, Louis. 3,264,003.

Thoresen, Carl G., to Consolidated Vacuum Corp. Getter supply. 3,235,170, 2–15–66, Cl. 230—69.

Thoresen, John C., to The New York Air Brake Co. Proportional speed floating controller. 3,262,034, 7–19–66, Cl. 318—18.

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Antonis, Basil, and Wiltshire. 3,250,943.
McLintic, William J. 3,257,574.
Ranby, Peter W., and Smith. 3,286,115.

Thorn, Herbert L., and W. Conway, to Optoplast Mfg. Co. Ltd., and The Trident Optical Co. Ltd. Manufacture of spectacle frame side pieces. 3,266,119, 8–16–66, Cl. 29—20.

Thorn, James D., W. Rodwell, and D. A. Jobson, to United Kingdom Atomic Energy Authority. Moderator structures for nuclear reactors. 3,259,548, 7–5–66, Cl. 176—84.

Thornberg, Dean S., and R. M. Jepperson, to Montek Division of Model Engineering and Mfg. Corp. Tunnel diode voltage pickoff circuit. 3,231,764, 1–25–66, Cl. 307—88.5.

Thornberg, Dean S., and R. M. Jepperson, to Montek Division of Model Engineering and Mfg. Corp. Antenna speed and reference burst count monitor. 3,267,381, 8–16–66, Cl. 328—41.

Thornberg, Dean S., and R. M. Jepperson, to Montek Division of Model Engineering and Mfg. Corp. Pulse monitoring circuit. 3,281,810, 10–25–66, Cl. 340—213.

Thornberg, Dean S., and R. M. Jepperson, to Montek Division of Model Engineering and Mfg. Corp. Squitter monitor module. 3,287,719, 11–22–66, Cl. 340—248.

Thornbery, James M.: *See*—
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Thorne, Calvin E. Water spray attachment for water skis. 3,255,472, 6–14–66, Cl. 9—310.

Thorne, Gale H., Sr.: *See*—
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Thorne, John P., T. J. Geiermann, and T. V. De Agostino, to National Electric Welding Machines Co. Direct current tube welding machine. 3,283,114, 11–1–66, Cl. 219—59.

Thorne, Melaine P.: *See*—
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Thorneburg, James L. and L. L., and Keever. 3,274,804.

Thorneburg, James L., L. L. Thorneburg, and J. D. Keever, to Thorneburg Hosiery Mills, Inc. Footlet type sock and method. 3,274,804, 9–27–66, Cl. 66—171.

Thorneburg, Lewis L.: *See*—
Thorneburg, James L. and L. L., and Keever. 3,274,804.

Thorner, Robert H. Control defrost device for refrigeration apparatus. 3,256,707, 6–21–66, Cl. 62—140.

Thorner, Robert H. Fluid governor or controller. 3,257,914, 6–28–66, Cl. 91—359.

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Thornley, Beatrice: *See*—
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Thornley, Joseph H., deceased; B. Thornley, executrix. Horizontally stabilized foundation. 3,255,591, 6–14–66, Cl. 61—46.

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Thornthwaite, Charles W., W. J. Superior, and K. R. Ono, to C. W. Thornthwaite Associates. Direct digital print-out data recording apparatus. 3,241,436, 3–22–66, Cl. 88—24.

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Miller, Bruce D., Thornton, and Reigel. 3,264,836.

Thornton, Brice E.: *See*—
Dynan, Forest J., Thornton, and Whitnah. 3,243,815.

Thornton, Charles G.: *See*—
Beyer, Donald S., and Thornton. 3,290,033.
Spencer, James R. 3,289,973.

Thornton, Clarence G., to Philco Corp. Method for improving the electrical characteristics of germanium semiconductor devices. 3,227,580, 1–4–66, Cl. 117—213.

Thornton, David A., and M. E. B. Jones, to Ciba Ltd. Adhesive composition comprising a phenol-formaldehyde resin, an epoxy resin, and a phenolic diketone. 3,281,493, 10–25–66, Cl. 260—831.

Thornton, Donald I., to Fram Corp. Filters. 3,231,089, 1–25–66, Cl. 210—130.

Thornton, Francis J., and D. E. Westerling, to FMC Corp. Container dumping apparatus. 3,269,573, 8–30–66, Cl. 214—307.

Thornton, Harry E., to Bound Brook Bearing Corp. of America. Dial feed for presses. 3,241,656, 3–22–66, Cl. 198—209.

Thornton, Harry E., to Bound Brook Bearing Corp. of America. Production of bronze powders. 3,260,773, 7–12–66, Cl. 264—12.

Thornton, James E., to Control Data Corp. High speed divider. 3,293,418, 12–20–66, Cl. 235—156.

Thornton, Michael J., ½ to Graviner Mfg. Co. Ltd., and ½ to Wilkinson Sword Ltd. Fluid containers. 3,233,783, 2–8–66, Cl. 222—83.

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Thornton-Trump, Walter E. Articulated boom. 3,252,542, 5–24–66, Cl. 182—2.

Thornton, William E., to Avionics Research Products Corp. Electrocardiac computer. 3,267,934, 8–23–66, Cl. 128—2.06.

Thornton, William S. Cup storage rim. 3,278,014, 10–11–66, Cl. 206—47.

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Thorp, James H., to The Smyth Mfg. Co. Casing-in machine including plural coating means. 3,284,570, 11–8–66, Cl. 118—224.

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Thorp, James T., to Lambirt Engineering Co. Aircraft seat ejection. 3,259,344, 7–5–66, Cl. 244—122.

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Thorpe, Charles R., Jr., to American Radiator & Standard Sanitary Corp. Heating panel. 3,244,858, 4–5–66, Cl. 219—345.

Thorpe, Dean F., to R-N Corp. Integrated charring and ore reduction methods and apparatus. 3,254,986, 6–7–66, Cl. 75—28.

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Thorpe, Merle L., and K. W. Harrington. Brush type high velocity air-fuel burner. 3,251,394, 5–17–66, Cl. 158—27.4.

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Thorsten, Andrew C., R. B. Lynch, and D. R. Schlotterbeck, to Esso Research and Engineering Co. Increased ethylene recovery by ethane addition. 3,262,278, 7–26–66, Cl. 62—20.

Thös, Frank R.: *See*—
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Thousand, John L.: *See*—
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Thouvenelle, Beryl E., W. H. Stringer, and C. G. Anderson. Securing support for truck trailers. 3,250,506, 5–10–66, Cl. 248—119.

Thouvenelle, Beryl E., W. H. Stringer, and C. G. Anderson. Pneumatic connection means for a land vehicle. 3,279,823, 10–18–66, Cl. 280—421.

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Thrane, Gordon E., to Baker Oil Tools, Inc. Mechanically set well packer apparatus. 3,232,347, 2–1–66, Cl. 166—136.

Thrane, Gordon E., and H. W. McZilkey, Jr., to Baker Oil Tools, Inc. Apparatus for mechanically setting well tools. 3,270,819, 9–6–66, Cl. 166—124.

Thrash, Purvis J., to Otis Engineering Corp. Gas lift valve. 3,294,108, 12–27–66, Cl. 137—155.

Thrasher, Elbridge W. Circular saw machine. 3,285,302, 11–15–66, Cl. 143—37.

Threadgold, Philip, and G. S. Thomas, to The British Petroleum Co. Ltd. of Britannic House. Guard electrode type and apparatus for logging boreholes with switch means for altering the effective depth of penetration of the current from the measuring electrode. 3,262,050, 7–19–66, Cl. 324—10.

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Throner, Guy C., Jr., to Aerojet-General Corp. Fragmentation-type weapon. 3,263,612, 8–2–66, Cl. 102—67.

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Thulman, Robert D. Chimney top assembly. 3,282,194, 11–1–66, Cl. 98—59.

Thumim, Carl, to Miehle-Goss-Dexter, Inc. Magnetic tape spacer with computer unit. 3,229,127, 1–11–66, Cl. 307—149.

Thumim, Carl, to The Laison Co. Division of Miehle-Goss-Dexter, Inc. Magnetic tape control systems for guillotine type cutting machine. 3,245,556, 4–12–66, Cl. 214—1.6.

Thumim, Carl, to Miehle-Goss-Dexter, Inc. Visible indicator control system for selective tape track. 3,248,720, 4–26–66, Cl. 340—226.

Thumim, Carl, to Miehle-Goss-Dexter, Inc. Automatic set-up for photo electric back gauge spacer. 3,261,979, 7–19–66, Cl. 250—222.

Thumim, Carl, to Miehle-Goss-Dexter, Inc. Slot closure for back gauge of paper-cutting machines. 3,266,641, 8–16–66, 214—1.6.

Thumim, Carl, to Miehle-Goss-Dexter, Inc. Variable back gauge travel adjustment means for guillotine-type cutting machine. 3,273,453, 9–20–66, Cl. 88—24.

Thumim, Carl, and N. Herman, to Miehle-Goss-Dexter, Inc. Variable back gauge travel adjustment means for guillotine type cutting machine. 3,228,537, 1–11–66, Cl. 214—1.6.

Thun, Rudolf E., and F. S. Maddocks, to International Business Machines Corp. Capacitors and process for making same. 3,271,192, 9–6–66, Cl. 117—217.

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Thuries, Edmond, and A. Bon, to Compagnie Generale d'Electricite. Pneumatic control means for air blast circuit breaker. 3,278,711, 10–11–66, Cl. 200—148.

Thurley, John, and G. P. Lowry, to Black, Sivals & Bryson, Inc. Gas burner apparatus. 3,265,113, 8–9–66, Cl. 158—109.

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Thurnell, Orville D., to Motorola, Inc. Tuning apparatus. 3,254,540, 6–7–66, Cl. 74—10.8.

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Thurston, Franklin J., and R. V. Sanwald, to GBL Corp. Article handling apparatus. 3,277,996, 10–11–66, Cl. 198—33.

Thurston, Franklin J., and R. V. Sanwald, to GBL Corp. Automatic packing apparatus. 3,283,471, 11–8–66, Cl. 53—55.

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Thurston, James R., to Thiokol Chemical Corp. Rocket motor and ignition system. 3,286,472, 11–22–66, Cl. 60—256.

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Thurston, Robert E., to Improved Machinery Inc. Belt positioning device. 3,273,696, 9–20–66, Cl. 198—202.

Thurston, Robert N., to Bell Telephone Laboratories, Inc. Strain transducers insensitive to transverse and shear strains. 3,254,529, 6–7–66, Cl. 73—88.5.

Thuse, Erik, to FMC Corp. Loading freeze dryers. 3,232,068, 2–1–66, Cl. 62—56.

Thwaites, Herman L., to Esso Research and Engineering Co. Wax coating method and apparatus. 3,257,226, 6–21–66, Cl. 117—64.

Thwaites, Leslie B. Mounting of fluid-operated implements on vehicles. 3,243,064, 3–29–66, Cl. 214—138.

Thwaites, Leslie B. Method and apparatus for transferring a dumper skip from a vehicle. 3,292,805, 12–20–66, Cl. 214—515.

Thylefors, Henric W., to Separator, Aktiebolaget. Sludge centrifuge. 3,237,854, 3–1–66, Cl. 233—20.

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Tibell, Bengt G. J., to Electrolux Aktiebolaget. Apparatus for heating food. 3,261,343, 7–19–66, Cl. 126—21.

Tiberi, John. Dust retaining vent means. 3,287,886, 11–29–66, Cl. 55—378.

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Ticknor, Donald E. Emergency stop signaling device for automobiles. 3,278,766, 10–11–66, Cl. 307—118.

Tidball, Robert A., to Baldwin-Lima-Hamilton Corp. Apparatus for compressing vapors in the distillation of a rotary conical film. 3,282,798, 11–1–66, Cl. 202—236.

Tiddens, Paul T., to Rand McNally & Co. Globe structure. 3,281,961, 11–1–66, Cl. 35—9.

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Tiede, Ralph L., to Owens-Corning Fiberglas Corp. Devitrifying a glass about glass fibers on a conductor. 3,269,818, 8–30–66, Cl. 65—43.

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Tiefenthal, Heinrich J. W., to Beteiligungs- und Patentverwaltungsgesellschaft mit beschrankter Haftung. Apparatus for preventing accidents during repair work in a converter. 3,230,685, 1–25–66, Cl. 52—749.
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Tiemann, Jerome J., to General Electric Co. Four-quadrant multiplier. 3,247,366, 4–19–66, Cl. 235—194.
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Tietjens, Eduard W., to North American Philips Co., Inc. Blade tension means for hair clipper blades. 3,242,570, 3–29–66, Cl. 30—221.
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Wagner, Herman B. 3,287,303.
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Tilles, Michael. Self-warming cushion. 3,259,925, 7–12–66, Cl. 5—355.
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Tillinghast, David G., to Pullman Inc. Spacer for insulated wall structure. 3,242,625, 3–29–66, Cl. 52—461.
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Tillinghast, Raymond C., to Gem, Inc. Sponge mop and wringer. 3,271,804, 9–13–66, Cl. 15—119.
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Tilloy, Andre H. A., to Societe Generale d'Entreprises. Winches for paying out cables. 3,292,873, 12–20–66, Cl. 242—47.09.
Tillson, Robert S., to General Electric Co. External actuator handle mechanism for enclosed circuit breaker. 3,272,953, 9–13–66, Cl. 200—172.
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Tinnerman, George A. and H. C.; said H. C. Tinnerman assor. to G. A. Tinnerman. Snap socket fastener. 3,292,479, 12–20–66, Cl. 85—7.

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Tinsley, Samuel W., and D. L. MacPeek, to Union Carbide Corp. Epoxy derivatives and process of preparing the same. 3,238,227, 3–1–66, Cl. 260—348.

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Tornqvist, Erik, C. W. Seelbach, and A. W. Langer, Jr., to Esso Research and Engineering Co. Polymerization process and products thereof. 3,262,960, 5–24–66, Cl. 260—93.7.

Tornqvist, Erik G. M., and E. A. Schmall, to Esso Research and Engineering Co. Preparation of partially reduced transition metal bromides. 3,278,258, 10–11–66, Cl. 23—87.

Tornvall, Anton E. Adjustable hair-trimming device. 3,289,-295, 12–6–66, Cl. 30—30.

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Torok, Julius J., to Owens-Illinois Glass Co. Glass pressing apparatus. 3,258,324, 6–28–66, Cl. 65—362.

Torok, Julius J., to Owens Illinois, Inc. Glass shaping plunger with a mercury mass condenser cooling means. 3,285,728, 11–15–66, Cl. 65—162.

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Torr, David. Method of preparing a comminuted food product. 3,268,339, 8–23–66, Cl. 99—108.

Torr, David, to Ralston Purina Co. Method of preparing meat products. 3,276,880, 10–4–66, Cl. 99—107.

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Torrey, Frank. Vehicle operated gate. 3,256,637, 6–21–66, Cl. 49—104.

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Touey, George P., and W. V. McConnell, to Eastman Kodak Co. Tobacco smoke filter. 3,227,164, 1–4–66, Cl. 131—208.

Touey, George P., and J. E. Kiefer, to Eastman Kodak Co. Plasticized filter. 3,229,699, 1–18–66, Cl. 131—208.

Touey, George P., and W. V. McConnell, to Eastman Kodak Co. Method of making tobacco smoke filters from crimped thermoplastic tows. 3,232,805, 2–1–66, Cl. 156—180.

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Touey, George P., and H. E. Davis, to Eastman Kodak Co. Polyoxyalkylene ethers of citric acid. 3,278,593, 10–11–66, Cl. 260—535.

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Hauptschein, Murray, and Toukan. 3,238,236.

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Toulis, William J. Flexural-extensional electromechanical transducer. 3,277,433, 10–4–66, Cl. 340—8.

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Tower, Stephen N., and W. H. Arnold, Jr., to Westinghouse Electric Corp. Integral vapor generating and superheating neutronic reactor system. 3,249,506, 5–3–66, Cl. 176—55.

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Tracy, Herbert E., to Borg-Warner Corp. Mechanical seal and cyclone. 3,257,957, 6–28–66, Cl. 103—111.

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Tracy, Herbert E., and L. J. Alley, to Borg-Warner Corp. Magnetic separator and mechanical seal. 3,291,489, 12–13–66, Cl. 277—15.

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Trafford, Gilmore H., and G. B. Michel, to United States of America, Air Force. Low false alarm rate radar video processor apparatus. 3,286,257, 11–15–66, Cl. 343—17.1.

Trafford, James E., and L. Kreeger. Fuel conditioning system for internal combustion engines. 3,283,482, 11–8–66, Cl. 55—385.

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Klopfenstein, King L., and Mastella. 3,232,815.
Virta, Norman A. 3,287,199.
Triangle Publications, Inc.: *See*—
Cutler, David A. 3,292,535.
Triax Co., The: *See*—
Chasar, Anthony R. 3,282,383.
Chasar, Anthony R. 3,283,924.
Lemelson, Jerome H. 3,285,437.
Triaxon, Inc.: *See*—
Steerup, James. 3,291,749.
Tribble, Halsey L.: *See*—
Longuemare, Robert N., Jr., and Tribble. 3,289,096.
Tribble, Robert M.: *See*—
Pinkham, Robert M., and Tribble. 3,282,669.
Tribble, Talmadge B., and E. L. Rondenet, to Flavor Corp. of America. Food preservative comprising enzymes and antioxidants. 3,284,212, 11–8–66, Cl. 99—9.
Tribie, Cebern B., to The National Cash Register Co. Character identification system having improved resistor matrix wave-shape-identifying means. 3,281,787, 10–25–66, Cl. 340—146.3.
Tribou, Earl W.: *See*—
Abplanalp, Robert H., Focht, and Tribou. 3,281,018.
Tribout, Marcel: *See*—
Baer, Arnold, and Tribout. 3,281,954.
Trice, Siebert W. Bomb and fall-out shelters. 3,251,159, 5–17–66, Cl. 52—20.
Tri-Chem, Inc.: *See*—
Reimann, Joseph S. 3,269,603.
Tri-City Industrial Services, Inc.: *See*—
Cooley, Charles R. 3,272,546.
Trickett, Kenneth A., M. T. Simnad, and G. J. Malek, to United States of America, Atomic Energy Commission. Fuel element. 3,291,690, 12–13–66, Cl. 176—68.
Trickey, Elwood B., to Geigy Chemical Corp. Desublimation using a rotating cooling drum containing particulate trembling and grinding media. 3,256,070, 6–14–66, Cl. 23—294.
Trico Products Corp.: *See*—
Bitzer, Martin. 3,246,358.
D'Alba, Anthony R. 3,264,669.
Oishei, John R. 3,241,892.
Oishei, John R. 3,292,958.
Scinta, Anthony C. 3,292,200.
Tricon, Alfred J., and F. V. Porter, to Dresser Industries, Inc. Sidewall sampling apparatus. 3,272,268, 9–13–66, Cl. 175—4.
Triden, Inc.: *See*—
Malavazos, Arthur J., and Jamieson. 3,249,301.
Trident Engineering Associates, Inc.: *See*—
Jasperson, Robert E. 3,281,094.
Lochner, Raymond D., and Fowler. 3,255,512.
Trident Optical Co., Ltd., The: *See*—
Thorn, Herbert L., and Conway. 3,266,119.
Tridon Mfg. Ltd.: *See*—
Hayden, Rodney. 3,247,402.
Trier, Louis J.: *See*—
Satchell, Fred E., Trier, and Weisz. 3,233,903.
Trieschmann, Alfred, to Vereinigte Kaliwerke Salzdetfurth AG. Self-loading vehicle and dump gate therefor. 3,273,732, 9–20–66, Cl. 214—518.
Trieschmann, Alfred, to Vereinigte Kaliwerke Salzdetfurth A.G. Rocker shovel for underground mines. 3,279,630, 10–18–66, Cl. 214—78.
Trieschmann, Hans-Georg: *See*—
Ellbracht, Hans, Rotzoll, Trieschmann, and Urgan. 3,255,171.
Wisseroth, Karl, Trieschmann, and Weber. 3,256,263.
Triest, William E., and A. P. Arneth, Jr., to United States of America, Air Force. Automatic mapper method and apparatus. 3,281,839, 10–25–66, Cl. 343—7.7.
Trieule, Andre: *See*—
Portal, Pierre, and Trieule. 3,277,788.
Trifunovic, Alexander L., and A. A. Benedek, to Joseph Bancroft & Sons Co. Stuffer crimping apparatus. 3,234,625, 2–15–66, Cl. 28—1.
Trigger, Henry: *See*—
Mann, John E., Trigger, and Hirsch. 3,290,736.
Triggle, Ann M., to Hooker Chemical Corp. Water insoluble coating of methyl vinyl ether-maleic anhydride copolymer, hydroxyethyl cellulose and phosphoric acid. 3,248,350, 4–26–66, Cl. 260—17.
Triggs, Leonard E. Marine steam generator having fluid cooled furnace. 3,229,671, 1–18–66, Cl. 122—478.
Triggs, William M., and M. A. Blumenfeld, to Radio Corp. of America. Semiconductor devices. 3,241,931, 3–22–66, Cl. 29—195.
Trigilio, Gaetano T. Warning device for disabled highway vehicles. 3,292,569, 12–20–66, Cl. 116—63.
Triglavcanin, Walter V. Accident preventing bottle cap. 3,266,651, 8–16–66, Cl. 215—9.
Tri-Kem Corp.: *See*—
Grogan, Charles H., and Rice. 3,257,398.
Trikilis, Emmanuel M. System and method for preventing pilferage by detection of magnetic fields. 3,292,080, 12–13–66, Cl. 324—41.
Triller, David P., to United States of America, Navy. Pattern mask for use in making thin film circuitry. 3,276,423, 10–4–66, Cl. 118—504.
Trilling, Theodore R.: *See*—
Moser, Paul M., and Trilling. 3,277,335.
Trilling, Theodore R., to United States of America, Navy. Frequency modulator having voltage variable capacitance means. 3,249,897, 5–3–66, Cl. 332—18.
Trilling, Theodore R. Amplifier circuit. 3,262,066, 7–19–66, Cl. 330—69.
Trilux Lenze K.-G.: *See*—
Fischer, Erich, and Kaltenhauser. 3,238,139.
Muller, Joseph, and Lenze. 3,283,145.
Tri Mfg. & Sales Co.: *See*—
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Trimble, Charles H.: *See*—
Boyd, Charles H., and Trimble. 3,240,333.
Trimble, David C.: *See*—
Hoffman, Edwin B., Trimble, and Weber. 3,235,637.
Trimble, David C., to Haveg Industries, Inc., a wholly-owned subsidiary of Hercules Powder Co. Method of molding Teflon. 3,235,636, 2–15–66, Cl. 264—87.
Trimble, James, to Armco Steel Corp. Coil handling magnet. 3,230,425, 1–18–66, Cl. 317—159.
Trimble, John O., to The Budd Co. Method of making composite structure of plastic, especially forming die. 3,239,590, 3–8–66, Cl. 264—255.
Trimble, Lyne S. Means and method for indicating and visibly permanently recording a magnetic field utilizing a magnetostrictive material and a chemical reaction. 3,281,669, 10–25–66, Cl. 324—43.
Trimble, Philip K.: *See*—
Kinsey, Claude J., Trimble, and Volke. 3,235,073.
Trimble, Philip K., to General Motors Corp. Unbalance measuring system. 3,228,251, 1–11–66, Cl. 73—462.
Trimble, Philip K., to General Motors Corp. Balancing system. 3,228,252, 1–11–66, Cl. 73—462.
Trimble, Philip K., to General Motors Corp. Balancing machine. 3,228,264, 1–11–66, Cl. 77—5.
Trimble, Philip K., to General Motors Corp. Balancing system. 3,248,951, 5–3–66, Cl. 73—462.
Trimble, Robert A.: *See*—
King, William H., Trimble, and Franz. 3,285,846.
Trimmer, Lea G. Butterfly valve device having particular seal and split-body structure. 3,228,653, 1–11–66, Cl. 251—306.
Trimmer, Lea G. Float type flow responsive switch with flow resistance means in float chamber outlet. 3,260,815, 7–12–66, Cl. 200—81.9.
Trimmer, Russell S. Rotary fluid transmission. 3,291,271, 12–13–66, Cl. 192—58.
Tringale, Joseph, and J. A. Berberian. Indexing rotary tool holder. 3,288,005, 11–29–66, Cl. 82—36.
Tringali, Alfred M.: *See*—
Gaylord, Norman G., and Tringali. 3,291,770.
Tringali, Alfred M., and N. G. Gaylord, to Interchemical Corp. Resinous condensation product of an ethoxyline resin and a polyalkylol phenol. 3,291,856, 12–13–66, Cl. 260—831.
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Eriksen, Jan B. 3,229,326.
Eriksen, Jan B. 3,237,750.
Triodetic Structures Ltd.: *See*—
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Tripini, Joe: *See*—
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Triple A Specialty Co.: *See*—
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Triplett, Benny L., J. J. Fasnacht, D. E. McWilliams, and G. E. Ellerman, to Pittsburgh Plate Glass Co. Glass fiber sizing composition. 3,265,516, 8–9–66, Cl. 106—213.
Triplett Electrical Instrument Co., The: *See*—
Triplett, William R. 3,240,946.
Triplett, William R., to The Triplett Electrical Instrument Co. Photoelectric readout of instrument movement position. 3,240,946, 3–15–66, Cl. 250—231.
Tripoli, Joseph V. Flow control member having a radially biased seal. 3,259,358, 7–5–66, Cl. 251—214.
Tripp, Alan R.: *See*—
Hopkins, Leslie A., and Tripp. 3,291,237.
Page, Reginald B., and Tripp. 3,244,245.
Tripp, Charles N., to Thompson Ramo Wooldridge Inc. Leakage detector. 3,230,706, 1–25–66, Cl. 66—35.6.
Tripp, Charles N., to National Aeronautics & Space Administration. Booster tank system. 3,286,882, 11–22–66, Cl 222—61.
Tripp, Gordon P., to United States of America, Army. Plug supervision trunk circuit. 3,251,950, 5–17–66, Cl. 179—43.
Tripp, Guy H. Chucks. 3,236,534, 2–22–66, Cl. 279—59.
Tripp, Kenneth F.: *See*—
Johnson, Carl R., and Tripp. 3,255,695.
Tripp, Walter C.: *See*—
Rudd, Milo O., Tripp, and Beasley. 3,226,887.
Tripplehorn, James C. Tubing-gripping rod scraper. 3,282,344, 11–1–66, Cl. 166—172.
Tripplehorn, James C. Guide and scraper. 3,282,345, 11–1–66, Cl. 166—176.
Tri-State Supply Co. Inc.: *See*—
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Tristram, Edward W.: *See*—
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Haydon, Arthur W. 3,264,152.
Haydon, Arthur W. 3,288,934.
Haydon, Arthur W., and Daniels. 3,280,353.
Haydon, Arthur W., and Riggs. 3,255,962.
Kavanaugh, Richard J. 3,239,705.
Korsgren, Theodore Y., Jr. 3,256,396.
Trites, Robert T., and P. A. Froehlich, to Energy Industries, Inc. Amide oxidation inhibitor for lubricants. 3,260,671, 7–12–66, Cl. 252—51.5.
Tritt, Edward. Synchronized picture attachment for phonograph records. 3,237,328, 3–1–66, Cl. 40—28.2.
Tri-Wall Containers, Inc.: *See*—
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Trnka, Ralph J., to Continental Can Co., Inc. Dial indicator plug gauge. 3,289,308, 12–6–66, Cl. 33—147.
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Nielsen, Anders, Bergh, and Troberg. 3,243,386.
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Stumpe, August C., and Troeger. 3,256,447.
Troeleman, Adrian J.: *See*—
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Troeppl, William M., ½ to G. A. Petersen, and ½ to A. E. Petersen. Earth auger construction. 3,235,018, 2–15–66, Cl. 175—391.
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Spokes, Ray E., and Troester. 3,251,724.
Trofimenko, Swiatoslaw, to E. I. du Pont de Nemours and Co. Neutral and ionic chelates of 1-pyrazoledithiocarboxylic acids with divalent metals of atomic number 24–30. 3,256,291, 6–14–66, Cl. 260—299.
Trofimenko, Swiatoslaw, to E. I. du Pont de Nemours and Co. Pyrazolyl, triazolyl and tetrazolyl derivatives of Group III–A elements and their compounds with metals and preparation thereof. 3,261,844, 7–19–66, Cl. 260—299.
Trofimenko, Swiatoslaw, to E. I. du Pont de Nemours and Co. β-Amino-α-cyanoacroleins and their preparation. 3,277,103, 10–4–66, Cl. 260—294.7.
Trogdon, Thomas: *See*—
Freedlander, Abraham L., and Trogdon. 3,278,955.
Fultz, Russell E., Trogdon, and Freelander. 3,242,511.
Trogdon, Thomas, and R. E. Fultz, to Dayco Corp. Foam rubber product and method of manufacture. 3,287,748, 11–29–66, Cl. 5—345.
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Trojan, George: *See*—
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Trojan, Inc.: *See*—
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Hall, Jesse E., Sr. 3,292,705.
Trojan Powder Co.: *See*—
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Griffith, George L., Knotts, and Schwoyer. 3,238,074.
Griffith, George L., Knotts, and Schwoyer. 3,254,601.
Griffith, George L., Schwoyer, Dowling, and Kruppenbach. 3,252,843.
Kruppenbach, John A., Schmucker, Dowling, and Schmoyer. 3,256,814.
Schwoyer, William L. Re. 26,115.
Trojan Products Co.: *See*—
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Trojan Rivet Corp.: *See*—
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Trojanowski, George (said George Trojanowski, now by judicial change of name, George Trojan), and L. Brandt, to Oceana International, Inc. Process for molding articles having pearlescent luster. 3,287,481, 11–22–66, Cl. 264—139.
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Stansell, Charles E. 3,270,934.
Trollo, Andrew E., and B. M. Adams, to Adtrol Electronics, Inc. Socket insert for varying the intensity of a light bulb. 3,256,466, 6–14–66, Cl. 317—101.
Troll, John H. Indicator having calibrated filaments for predicting component failure. 3,237,099, 2–22–66, Cl. 324—68.
Troller, John A., to The Procter & Gamble Co. Non-refrigerated icing containing potassium sorbate and glutathione. 3,276,881, 10–4–66, Cl. 99—139.
Troller, Theodor H., to Borg-Warner Corp. Axial flow fan with boundary layer control. 3,237,850, 3–1–66, Cl. 230—122.
Troller, Theodor H. High energy axial flow apparatus. 3,291,381, 12–13–66, Cl. 230—120.
Trollope, William G. A., to Canadian Ingersoll-Rand Co., Ltd. Wear detector. 3,242,719, 3–29–66, Cl. 73—37.6.
Trollope, William G. A., to Canadian Ingersoll-Rand Co. Ltd. Braking control for mine hoist. 3,291,451, 12–13–66, Cl. 254—185.
Trolz, Lyle A.: *See*—
Greenawalt, Fred A. 3,293,880.
Trombatore, Sam S., W. J. Bradtke, and W. J. Griswold, to Webcor, Inc. Pneumatic timing device. 3,262,374, 7–26–66, Cl. 92—16.
Tromp, Gerardus M. Sanitary toilet seat. 3,271,792, 9–13–66, Cl. 4—289.
Tronnier, Albrecht W.: *See*—
Lescher, Edmund J., and Tronnier. 3,249,009.
Trope, Davida R. Vented waterproof fabric. 3,228,821, 1–11–66, Cl. 161—112.
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Hein, Georg, and Tropp. 3,288,198.
Tropp, Frederick E., and R. T. Corkum, to American Cyanamid Co. 2-dimethylamino-2-methyl-1-propanol-p-toluene sulfonate with urea-formaldehyde resin and alkyd resin. 3,293,324, 12–20–66, Cl. 260—850.
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Wissenberg, Herman, and Troscinski. 3,230,070.
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Ashmele, Anton, and Schenke. 3,282,590.
Trost, Conrad M., deceased (E. W. Trost, executrix), to Helme Products, Inc. Fluid grinding mill with interchangeable liners. 3,229,918, 1–18–66, Cl. 241—39.
Trost, Eva W.: *See*—
Trost, Conrad M. 3,229,918.
Trostad, Per O.: *See*—
Kanneworff, Walther L., and Trostad. 3,252,189.
Troth, John S. Plastic bottle carrier. 3,285,468, 11–15–66, Cl. 220—115.
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Trott, David H. Closure device for containers having an axial rotary and longitudinally movable apertured cap. 3,275,202, 9–27–66, Cl. 222—520.
Trott, Gene F., to American Rubber and Chemical Co. Treatment of polybutadiene. 3,254,043, 5–31–66, Cl. 260—27.
Trott, Winfield J., to United States of America, Navy. Distributed coupling transducer. 3,243,769, 3–29–66, Cl. 340—10.
Trotter, Ide P., Jr.: *See*—
Sharp, Robert M., Trotter, and von Rosenberg. 3,246,960.
Trotter, Marvin N., to J. P. Stevens & Co., Inc. Automatic control means for controlling the level in a size box. 3,237,593, 3–1–66, Cl. 118—7.
Trotter, Percy W.: *See*—
Grammer, George N., and Trotter. 3,238,137.
Trottier, David E. Mobile collapsible pile driver. 3,237,354, 3–1–66, Cl. 52—118.
Trottman, Harold H., to Westinghouse Electric Corp. Reversing mechanism and circuit for reversing an electric motor and controlling its functions. 3,295,038, 12–27–66, Cl. 318—282.
Trotz, Samuel I.: *See*—
Heying, Theodore L., Reid, and Trotz. 3,270,047.
Heying, Theodore L., Reid, and Trotz. 3,291,820.
Trouilhet, Maurice M.-A., to Calor Appareils Electro-Domestiques. Variable-stroke electromagnetic vibrators. 3,270,219, 8–30–66, Cl. 310—29.
Trouilhet, Maurice M. A., to Calor Appareils Electro-Domestiques. Electric shaver control assembly. 3,272,943, 9–13–66, Cl. 200—122.
Troussier, Maurice: *See*—
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Trout, Donald M. Adjustable resilient sash guide support. 3,228,068, 1–11–66, Cl. 20—12.
Trout, Otto F., Jr.: *See*—
Hill, Paul R., and Trout. 3,273,355.
Trout, Robert G., to FMC Corp. Pumping apparatus. 3,250,440, 5–10–66, Cl. 222—255.
Trout, Samuel W. Hand brake for use by sheet metal workers and the like. 3,248,921, 5–3–66, Cl. 72—319.
Troutman, Albert H., to Georgia-Pacific Corp. Segmental container and package. 3,255,878, 6–14–66, Cl. 206—65.
Troutman, Edwin G., and W. E. Romans. Iontophoresis method. 3,289,671, 12–6–66, Cl. 128—2.1.
Troutman, Holmes F. Variable pitch, reversing and feathering propeller. 3,282,351, 11–1–66, Cl. 170—160.44.
Troutman, Mervin F.: *See*—
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Troutman, Paul H.: *See*—
Eggenberger, Markus A., and Troutman. 3,274,443.
Eggenberger, Markus A., and Troutman. 3,288,160.
Troutman, Paul H., and R. B. Hogan, to General Electric Co. Terminal condition predictive control system. 3,277,355, 10–4–66, Cl. 318—28.

Troutner, Arthur L. Bridging clip for trussjoist. 3,229,440, 1–18–66, Cl. 52—693.

Troutner, Arthur L. Composite trussjoist with end bearing clips. 3,268,251, 8–23–66, Cl. 287—20.92.

Trowbridge, Frank R.: *See*—
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Troxler, Franz: *See*—
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Hofmann, Albert, and Troxler. 3,232,943.
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Hofmann, Albert, and Troxler. 3,249,617.
Hofmann, Albert, and Troxler. 3,270,020.
Hofmann, Albert, and Troxler. 3,280,145.

Troy, Constantine T. Boot having pants leg retaining means. 3,286,375, 11–22–66, Cl. 36—7.1.

Troy, Elbert C., to Herbert Simpson Corp. Controlled rate discharge device. 3,231,146, 1–25–66, Cl. 222—233.

Troy, Elbert C., to National Engineering Co. Mulling shoe mixer. 3,284,059, 11–8–66, Cl. 259—107.

Troy, Henry N.: *See*—
Flexon, John D., and Troy. 3,245,830.

Troy, Joseph C., to Jones & Laughlin Steel Corp. Blast furnace tuyere. 3,234,919, 2–15–66, Cl. 122—6.6.

Troy, Leonard. Brake shoe adjustment mechanism. 3,241,-638, 3–22–66, Cl. 188—79.5.

Troy, Walter C.: *See*—
Sump, Cord H., Metcalfe, and Troy. 3,231,341.

Troyer, John S. and M. G. Soil cutting implement for rotary tillers. 3,282,353, 11–1–66, Cl. 172—43.

Troyer, Margarita G.: *See*—
Troyer, John S. and M. G. 3,282,353.

Truant, Aldo P., and J. R. Dahlbom, to Astra, Apotekarnes Kemiska Fabriker, Aktiebolaget. Quaternary ammonium salts containing anilido groups. 3,255,207, 6–7–66, Cl. 260—326.3.

Truant, Aldo P., and F. G. Norstrom, to Astra Pharmaceutical Products, Inc. Agents having a fibrinolytic activity and being derived from molds and a process of making and using same. 3,256,157, 6–14–66, Cl. 195—62.

Truax, Frank L., and A. J. Kurker. Ball joint construction. 3,281,590, 10–25–66, Cl. 240—144.

Truax, Harry. Rotary screen machine for processing heat sensitive granular organic materials. 3,294,383, 12–27–66, Cl. 263—33.

Trubenbach, Hanns: *See*—
Schlechter, Alfred, and Trubenbach. 3,268,211.

Trubenback, Charles W., and B. F. Wiley, to Phillips Petroleum Co. Wire line logging time-depth correlator. 3,292,-904, 12–20–66, Cl. 254—145.

Trucker, Donald E., to General Aniline & Film Corp. U.V. absorbing composition. 3,244,524, 4–5–66, Cl. 96—84.

Trudeau, Alpherie A. Fire alarm and spray system actuated by melting a soluble nylon strand. 3,288,224, 11–29–66, Cl. 169—19.

Trudeau, Urban P.: *See*—
Rosin, Edwin A., and Trudeau. 3,267,750.

Trudeau, Urban P., to Owens-Illinois Glass Co. Method and apparatus for forming hollow glass articles. 3,230,061, 1–18–66, Cl. 65—68.

True, Cecil W. Pipe heating apparatus. 3,275,803, 9–27–66, Cl. 219—535.

True Mfg. Co. Inc.: *See*—
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True, Thomas T.: *See*—
Bates, William C., and True. 3,253,236.
Good, William E., True, and Vanderlaan. 3,272,017.

True, Thomas T., to General Electric Co. Projection television system. 3,250,948, 5–10–66, Cl. 315—22.

True, Thomas T., to General Electric Co. Color-synchronizing signal circuit for a color television receiver. 3,251,930, 5–17–66, Cl. 178—5.4.

Truelock, Marvin A., H. Keys, and M. M. Rose, to Big Eight Implement Co. Piston type vibrator. 3,286,534, 11–22–66, Cl. 74—44.

Truesdale, Cavour L., to Plastics Products, Inc. Sound retarding drapery room divider. 3,242,972, 3–29–66, Cl. 160—84.

True-Trace Corp.: *See*—
Harrison, Daniel E. 3,262,647.
Weaver, Paul J. Re. 26,005.
Weaver, Paul J. 3,228,424.
Weaver, Paul J. 3,272,039.

Truitt, Alton D., to Diamond International Corp. Taper flow inlet. 3,272,233, 9–13–66, Cl. 137—599.

Tru-Flex Rubber Products Co.: *See*—
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Trugman, Leonard A., to The Bendix Corp. Method of making a hydrodynamic gas journal bearing and for determining the force deflection characteristics of gas bearings. 3,242,721, 3–29–66, Cl. 73—66.

Truhan, Andrew. Laboratory fume hood. 3,254,588, 6–7–66, Cl. 98—115.

Truheat Corp.: *See*—
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Tullock, Robert F. Vehicle side protector and method of mounting the same. 3,250,560, 5–10–66, Cl. 293—1.

Tullos, Frank N., to Esso Production Research Co. Dynamic detection of unbalanced loading of vibrating coupling plates. 3,280,938, 10–25–66, Cl. 181—.5.

Tullsen, Volney, L. Katz, and J. Taras, to General Aniline & Film Corp. Pigmented resin emulsion compositions. 3,256,232, 6–14–66, Cl. 260—29.6.

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Tumicki, Thomas F., to United Aircraft Corp. Convergent-divergent co-annular primary nozzle. 3,261,164, 7–19–66, Cl. 60—35.6.

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Tupper, Myron D., to General Electric Co. Lubrication system for dynamoelectric machines. 3,264,045, 8–2–66, Cl. 308—240.

Tupper, Myron D., and R. W. Dochterman, to General Electric Co. Bearing and shaft lubrication arrangement. 3,250,579, 5–10–66, Cl. 308—127.

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Turbak, Albin F., to Tee-Pak, Inc. Method of humidifying shirred artificial sausage casings. 3,250,629, 5–10–66, Cl. 99—176.

Turbak, Albin F., A. Noshay, and G. Karoly, to Esso Research and Engineering Co. Dyeable polyolefins. 3,284,428, 11–8–66, Cl. 260—93.7.

Turbett, George R., to Air Reduction Co., Inc. Apparatus and method for vertical welding. 3,241,229, 3–22–66, Cl. 29—493.

Turbett, George R., to Air Reduction Co., Inc. Tool oscillating and positioning system. 3,247,356, 4–19–66, Cl. 219—126.

Turbett, George R., to Air Reduction Co., Inc. Demountable hollow armature wire straightener. 3,264,855, 8–9–66, Cl. 72—79.

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Turck, William B., and R. W. Bertouille, to Ford Motor Co. Ball and socket joint seal. 3,275,353, 9–27–66, Cl. 287—90.

Turco, Jerome. Internal combustion rotary piston engine. 3,294,071, 12–27–66, Cl. 123—11.

Turecek, Kvetoslav, and B. A. Eyres, to Northern Electric Co. Ltd. Wire stripping device. 3,292,462, 12–20–66, Cl. 81—9.51.

Turecki, Anatole, to Radio Corp. of America. Circuits including a flip-flop and a delay for generating two pulses. 3,244,985, 4–5–66, Cl. 328—74.

Turecki, Anatole, to Radio Corp. of America. Pulse generator employing serially connected delay lines. 3,248,657, 4–26–66, Cl. 328—55.

Turek, Stanley P., and W. C. Lincoln. Automatic retracting means for safety belts and the like. 3,289,971, 12–6–66, Cl. 242—107.11.

Turel, Paul M., to Tavannes Watch Co. SA. Timepiece alarm mechanism. 3,261,157, 7–19–66, Cl. 58—21.15.

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Turgeon, Joseph A., to I-T-E Circuit Breaker (Canada) Ltd. Forced cooled isolated phase bus system using internal blowers. 3,230,293, 1–18–66, Cl. 174—16.

Turgeon, Joseph A., to I-T-E Circuit Breaker (Canada) Ltd. Disconnect switch construction having reduced thrust forces. 3,235,698, 2–15–66, Cl. 200—166.

Turgeon, Joseph A., to I-T-E Circuit Breaker (Canada) Ltd. Interphase support arrangement for isolated phase bus system. 3,243,502, 3–29–66, Cl. 174—99.

Turgeon, Joseph A., to I-T-E Circuit Breaker (Canada) Ltd. Hinged contact mechanism for disconnect switches. 3,259,704, 7–5–66, Cl. 200—48.

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Turk, James R., to V. K. Smith. Snap ring assembly for securing a rotor to a shaft. 3,258,624, 6–28–66, Cl. 310—261.

Turk, James R., to V. K. Smith. Protective chamber puncture means for a submersible motor. 3,270,224, 8–30–66, Cl. 310—87.

Turk, James R., to V. K. Smith. Air bearings for dynamo-electric machine. 3,272,999, 9–13–66, Cl. 310—90.

Turk, James R., and J. Smith, to V. K. Smith. Wire insertion tool. 3,258,246, 6–28–66. Cl. 254—134.3.

Turk, Joseph C.: *See*—
Slade, Ernest A., and Turk. 3,277,918.

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Turley, Woodrow W. Foot treating device. 3,283,756, 11–8–66, Cl. 128—66.

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Turmenne, Bernard A., and P. A. Raiche. Hair washing and tinting unit. 3,292,186, 12–20–66, Cl. 4—159.

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Turnbull, John B., to Ford Motor Co. Anti-skid braking system. 3,231,315, 1–25–66, Cl. 303—61.

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Turnbull, Merlin Y., to Square D Co. Switch enclosure with multiple switch and door interlocks. 3,229,056, 1–11–66, Cl. 200—50.

Turnbull, Merlin Y., to Square D Co. Push button switch assembly and ferrule therefor. 3,239,640, 3–8–66, Cl. 200—168.

Turnbull, Merlin Y., to Square D Co. Single pole snap-switch with a guideplate detachably mounted between juxtaposed casing elements. 3,260,814, 7–12–66, Cl. 200—67.

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Turner, Albert H., and M. J. Diotalevi, to United Aircraft Corp. Fuel cell floating elements. 3,253,953, 5–31–66, Cl. 136—86.

Turner, Albert H., S. L. Leavitt, and R. A. Thompson, to United Aircraft Corp. Fuel cell with control responsive to temperature changes. 3,253,957, 5–31–66, Cl. 136—86.

Turner, Alec F., and H. R. Corwin, Jr., to Curtiss-Wright Corp. Cooling system for multi-unit rotary mechanisms. 3,289,647, 12–6–66, Cl. 123—8.

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Turner, C. Robert, W. A. Spear, and C. F. Meeker, to Nutone, Inc. Cooking range hood. 3,233,606, 2–8–66, Cl. 126—299.

Turner, Charles A., Jr., to Selas Corp. of America. Heat treating strip material. 3,264,143, 8–2–66, Cl. 148—11.5.

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Balkin, Mark, and Turner. 3,262,826.

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Turner, Edward H., to Bell Telephone Laboratories Inc. Microwave devices exhibiting mode conversion using a resonantly biased gyromagnetic material. 3,247,472, 4–19–66, Cl. 333—21.

Turner, Edwin E., to United States of America, Navy. Propagation velocity correction for Doppler log. 3,274,535, 9–20–66, Cl. 340—3.

Turner, Edwin E., to Raytheon Co. Bender type electro-acoustical apparatus. 3,287,692, 11–22–66, Cl. 340—10.

Turner, Edwin M., to United States of America, Air Force. Combined antenna and converter circuit. 3,246,245, 4–12–66, Cl. 325—442.

Turner Electric Corp.: *See*—
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Turner, Elmer A., to Wayne Plastics, Inc. Floral mounting member. 3,290,819, 12–13–66, Cl. 47—41.1.

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Turner, Florence E.: *See*—
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Turner, Frank T., to The Western Union Telegraph Co. Photoelectric matrix network. 3,271,576, 9–6–66, Cl. 250—206.

Turner, Frederick J. L., to Creed & Co. Ltd. Tape winding apparatus. 3,233,840, 2–8–66, Cl. 242—67.1.

Turner, Frederick J. L., R. G. Moore, J. Marshall, and P. R. Morrison, to Creed & Co. Ltd. Plural motor tape drive including information searching and tension control. 3,244,955, 4–5–66, Cl. 318—7.

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Turner, George K. 3,245,305.
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Turner, George K., to G. K. Turner Associates. Electric arc control circuit. 3,238,415, 3–1–66, Cl. 315—160.

Turner, George K., to G. K. Turner Associates. Radiation compensation for light sources in spectrometric apparatus. 3,245,305, 4–12–66, Cl. 88—14.

Turner, George K., to G. K. Turner Associates. Dual monochromator system. 3,247,758, 4–26–66, Cl. 88—14.

Turner, George L., to H. B. Sherman Mfg. Co. Vacuum motor operated sprinklers and the like. 3,266,731, 8–16–66, Cl. 239—237.

Turner, George S.: *See*—
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Turner, George S., R. D. Lorenz, and A. von der Launitz, to Beckman Instruments, Inc. Gas chromatographic system having barometric pressure compensation. 3,283,563, 11–8–66, Cl. 73—23.1.

Turner, Gordon J., and C. C. Legal, Jr., to W. R. Grace & Co. Metal phosphates and methods for producing same. 3,227,519, 1–4–66, Cl. 23—105.

Turner, Hannah G. Method of protecting, repairing and lengthening fingernails. 3,228,404, 1–11–66, Cl. 132—73.

Turner, Henry W. Replaceable spike for shoes. 3,267,593, 8–23–66, Cl. 36—59.

Turner, Horace G., to The Plessey Co. Ltd. Control systems for liquid-fuel supply. 3,230,709, 1–25–66, Cl. 60—39.28.

Turner, Horace J., to De Beer Mfg. Co., Inc. Felt ring embedded in wax and method of using. 3,238,538, 3–8–66, Cl. 4—252.

Turner, Howard M., to Continental Can Co., Inc. Variable extrusion apparatus. 3,283,363, 11–8–66, Cl. 18—5.

Turner, Hoyt E. One wheel single rider vehicle of the amusement type. 3,290,057, 12–6–66, Cl. 280—206.

Turner, James A., to Hygrade Food Products Corp. Portable smoke generator. 3,258,008, 6–28–66, Cl. 126—59.5.

Turner, James A., Jr. Mixing tube for gases. 3,237,923, 3–1–66, Cl. 259—4.

Turner, James F., Sr., W. H. Bartman, and C. H. Smith, Jr., to Flynn & Emrich Co. Incinerator stoker grate construction. 3,266,447, 8–16–66, Cl. 110—8.

Turner, Joe E., to Mrs. Bohnet's Bakery, Inc. Dough cutting machines. 3,280,681, 10–25–66, Cl. 83—169.

Turner, John D.: *See*—
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Turner, John E. Air current deflector for a convertible type vehicle. 3,246,923, 4–19–66, Cl. 296—1.

Turner, John L., to Turner Electric Corp. Latching and rotating mechanism for elongated blade of high voltage electric switch. 3,243,534, 3–29–66, Cl. 200—48.

Turner, John W., Jr., to Byron Jackson, Inc. Spider for well pipe. 3,268,969, 8–30–66, Cl. 24—263.

Turner, Joseph W., Sr. Connector device. 3,278,217, 10–11–66, Cl. 294—78.

Turner, Lawrence A., to Fluid Dynamics (Proprietary) Ltd. Control of outflow of impounded water. 3,287,917, 11–29–66, Cl. 61—25.

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Turner, Lloyd S. Method of molding a building structure by spraying a foamed plastic on the inside of an inflatable form. 3,277,219, 10–4–66, Cl. 264—45.

Turner, Lyman H., R. H. Liva, and T. P. Redding, to Xerox Corp. Sheet registration device. 3,281,144, 10–25–66, Cl. 271—53.

Turner, Mason M., and M. Silverman, to Shell Oil Co. 2,3-dibromo - 3 - (dihydrocarbyloxyphosphinyloxy) butyrates. 3,278,648, 10–11–66, Cl. 260—941.

Turner, Oswald W., to Counter Balance Inc. Hinge. 3,256,554, 6–21–66, Cl. 16—190.

Turner, Percy P., and H. C. Brassfield, to United States of America, Atomic Energy Commission. Inhibition of grain growth in sintered beryllium oxide bodies. 3,278,454, 10–11–66, Cl. 252—478.

Turner, Peter A., to Associated Electrical Industries Ltd. Four-region switching transistor comprising a controlled current patch in the emitter. 3,263,139, 7–26–66, Cl. 317—235.

Turner, Philip G., to The International Nickel Co., Inc. Production of high-quality ingots. 3,239,898, 3–15–66, Cl. 22—209.

Turner, Philip G., to The International Nickel Co., Inc. Plastic deformation of alloys. 3,242,563, 3–29–66, Cl. 29—423.

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Turner, Ralph R., to Pan American Petroleum Corp. Guide shoe. 3,266,577, 8–16–66, Cl. 166—222.

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Turner, Robert G., to General Electric Co. Evaporator including radiant heater defrost means. 3,280,581, 10–25–66, Cl. 198—89.

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Turner, Robert J.: *See*—
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Turner, Russell J., to The Boeing Co. Printed circuit board and component with improved mounting base for the component. 3,286,132, 11–15–66, Cl. 317—101.

Turner, Stephen, Jr. Wheeled vehicle suspension. 3,285,621, 11–15–66, Cl. 280—81.

Turner, Walter S., to Lake Park Tool & Die Co. Door latch. 3,248,141, 4–26–66, Cl. 292—166.

Turner, Wesley, to W. and F. E. Turner. Edible baked cup-shaped product and method for making same. 3,290,154, 12–6–66, Cl. 99—88.

Turner, Wheeler M. High speed magnetic reed switch. 3,270,161, 8–30–66, Cl. 335—103.

Turner, William E., to Fairbanks Co. Method of making a caster device. 3,228,089, 1–11–66, Cl. 29—148.4.

Turner, William G. Illuminated mail box. 3,275,229, 9–27–66, Cl. 232—34.

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Turnidge, Cletus P. and L. A. Policeman's glove. 3,258,782, 7–5–66, Cl. 2—161.

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Verdol, Joseph A., and Turnquest. 3,270,081.

Turnquest, Byron W., to Sinclair Research, Inc. Production of isoprene. 3,238,270, 3–1–66, Cl. 260—680.

Turnquest, Byron W., E. H. Burk, Jr., and C. J. Bragg, to Sinclair Research, Inc. Process for the production of quaternary carbon containing mono-olefins by dehydrohalogenating certain alkyl halides. 3,280,208, 10–18–66, Cl. 260—677.

Turnquist, Alfred H., to Union Tank Car Co. Water conditioning system. 3,229,854, 1–18–66, Cl. 222—67.

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Turpin, Eugene W. Support device for vehicle wheels. 3,267,977, 8–23–66, Cl. 144—288.

Turpin, Gilbert, to Societe d'Electro-Chimie d'Electro-Metallurgie et des Acieries Electriques d'Ugine. Production of anhydrous alumina. 3,265,465, 8–9–66, Cl. 23—142.

Turrell, Douglas W., to Leeds and Northrup Co. System for measuring frequency by comparing unknown to reference and determining the rate of change of phase. 3,235,800, 2–15–66, Cl. 324—79.

Turrin, Richard H., to Bell Telephone Laboratories, Inc. Dual frequency microwave aperture-type antenna providing similar radiation pattern on both frequencies. 3,268,902, 8–23–66, Cl. 343—772.

Turro, Jerome C. Anti-backlash precision coupling. 3,286,489, 11–22–66, Cl. 64—15.

Turtschan, Josef. Surface gauge for measuring, checking and marking distances on work pieces. 3,251,133, 5–17–66, Cl. 33—169.

Turturro, Louis A., Jr.: *See*—
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Turturro, Michael A., L. A. Turturro, Jr., and R. H. Turturro. House loading trailer. 3,233,759, 2–8–66, Cl. 214—80.

Turturro, Michael A., L. A. Turturro, Jr., and R. H. Turturro. House loading trailer. 3,233,768, 2–8–66, Cl. 214—730.

Turturro, Michael A., L. A. Turturro, Jr., and R. H. Turturro. House loading trailer. 3,236,400, 2–22–66, Cl. 214—75.

Turturro, Robert H.: *See*—
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Turunen, John R., to General Motors Corp. Control linkage. 3,264,895, 8–9–66, Cl. 74—477.

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Tury, Pal, to Egyesult Izzolampa es Villamossagi Reszveny-Tarsasag. Shock and vibration resistant heater for indirectly heated cathodes of radio receiving tubes. 3,263,114, 7–26–66, Cl. 313—846.

Turzillo, Lee A. Continuous flight auger connector. 3,240,513, 3–15–66, Cl. 285—90.

Tusa, John, and F. V. Maltby, to Bata Shoe Co. Inc. Manufacture of shoemakers' lasts. 3,228,048, 1–11–66, Cl. 12—133.

Tusa, John, and R. H. Ellis, to Bata Shoe Co. Inc. Apparatus for manufacture of plastic shoes and other articles of footwear. 3,229,331, 1–18–66, Cl. 18—30.

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Tuschen, Thedore W. Pivotable pole-type load lifting apparatus. 3,273,219, 9–20–66, Cl. 27—27.

Tuschhoff, John V., and C. E. Smith, to A. E. Staley Mfg. Co. Cross-linked starch esters and process of making same. 3,238,193, 3–1–66, Cl. 260—233.5.

Tusji, Hiroshi: *See*—
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Tussey, Chester E. Air pump. 3,266,716, 8–16–66, Cl. 280—55.

Tusson, John R. Study machine. 3,228,121, 1–11–66, Cl. 35—24.

Tusson, John R. Slide device for study of sequential data. 3,235,977, 2–22–66, Cl. 35—75.

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Tuszynski, Alfons A., to Esterline-Angus Instrument Co., Inc. Dual output power supply for transistor circuits. 3,273,042, 9–13–66, Cl. 321—16.

Tuszynski, Alfons A., to Esterline-Angus Instruments Co., Inc. Chopper circuit. 3,287,620, 11–22–66, Cl. 321—44.

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Walker, Harold R. 3,273,260.

Tutt, Kingsley J., to United Shoe Machinery Corp. Mold for injection molding a shoe sole. 3,255,493. 6–14–66, Cl. 18—42.

Tutt, Kingsley J., and S. E. Frampton, to United Shoe Machinery Corp. Apparatus for use in the manufacture of shoes. 3,284,827, 11–15–66, Cl. 12—54.1.

Tutte, Edward, and A. F. Taylor, to United Kingdom Atomic Energy Authority. Fuel elements for nuclear reactors with lateral support means. 3,247,076, 4–19–66, Cl. 176—66.

Tutthill, Fred E., to Kenco Pump Division of the American Crucible Products Co. Submersible pump. 3,264,999, 8–9–66, Cl. 103—87.

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Tuttle, Clifton M., and F. H. Jackson, to Eastman Kodak Co. Photographic apparatus for recording, processing, and projecting data for rapid visual inspection. 3,282,183, 11–1–66, Cl. 95—12.

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Tuttle, Fred C., to The Dow Chemical Co. Process for preparing pellets of substituted phenols. 3,234,307, 2–8–66, Cl. 264—14.

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Tuttle, Kenneth A., to United States of America, Interior. Automatic swing curve calculator and plotter used to indicate transient stability of power generators. 3,254,202, 5–31–66, Cl. 235—151.21.

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Tuttle, Milton A. Room heater with vented circulation. 3,254,642, 6–7–66, Cl. 126—116.

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Tuuri, Armas A., to Arton Industries, Inc. Safety closure for containers. 3,245,563, 4–12–66, Cl. 215—9.

Tuuri, Armas A. Electric top with power source and centrifugal switch. 3,246,427, 4–19–66, Cl. 46—243.

Tuuri, Armas A., to Arton Industries, Inc. Remotely controlled magnetically operated game apparatus. 3,254,445, 6–7–66, Cl. 46—235.

Tuve, Richard L., and E. J. Jablonski, to United States of America, Navy. Method of extinguishing liquid hydrocarbon. 3,258,423, 6–28–66, Cl. 252—3.

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Tvedten, Allard K., to Dahlgren & Co., Inc. Bird feeder device. 3,253,576, 5–31–66, Cl. 119—51.

Tveten, John L., to Esso Research and Engineering Co. Condensation of methylbenzyl acetate. 3,290,360, 12–6–66, Cl. 260—491.

Tveten, John L., and R. Pettit, to Esso Research and Engineering Co. Preparation of polynuclear aromatic acetate plasticizers by condensation of toluene and formaldehyde. 3,290,361, 12–6–66, Cl. 260—494.

Tweedale, Ralph L., to Massey-Ferguson Inc. Lawn mower with orbital motion cutting blade. 3,254,481, 6–7–66, Cl. 56—25.4.

Tweet, John H., to United States of America, Air Force. Air driven turbopump. 3,269,117, 8–30–66, Cl. 60—39.18.

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29 West Fifteenth Street Corp., The: *See*—
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Twilley, Archie J., deceased, by R. I. Twilley, executrix. Telescopic ladders. 3,291,258, 12–13–66, Cl. 182—211.
Twilley, Ian C., and M. E. Matson, to Allied Chemical Corp. Visibly distinctive melt spun pigmented yarn. 3,279,974, 10–18–66, Cl. 161—168.
Twilley, Ian C., and F. P. Poznick, to Allied Chemical Corp. Polyamide stabilized with a copper compound and a stannous salt. 3,280,053, 10–18–66, Cl. 260—18.
Twilley, Ian C., and F. P. Poznick, to Allied Chemical Corp. Stabilized polyamides containing a copper compound having a halogen atom directly linked to the aromatic nucleus. 3,294,735, 12–27–66, Cl. 260—45.75.
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Twist, Worth N., Jr. Drafting device. 3,261,098, 7–19–66, Cl. 33—18.
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Tyler, Henry P., to The Bendix Corp. Pump inlet pressurizing system. 3,252,419, 5–24–66, Cl. 103—2.
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Tyler, Richard B., J. C. Donald, and A. A. Nichipor, to W. R. Grace & Co. Primer composition for coating polyethylene substrates and the resulting products. 3,231,411, 1–25–66, Cl. 117—76.
Tyler, Ronald A. Gas turbine. 3,231,239, 1–25–66, Cl. 253—59.
Tyler, Stanley R., to Dowty Fuel Systems Ltd. Aircraft gas turbine engine control system. 3,293,856, 12–27–66, Cl. 60—237.
Tyler, Stanley R., and L. W. Manson, to Dowty Fuel Systems Ltd. Fluid metering device. 3,265,000, 8–9–66, Cl. 103—97.
Tyler, Tommy N., to Honeywell, Inc. Respiration detector. 3,241,549, 3–22–66, Cl. 128—2.
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Tyson, Harry D. Process for conditioning gases produced in reforming liquid petroleum. 3,291,582, 12–13–66, Cl. 48—212.
Tyson, Reuben K., to Pennsalt Chemicals Corp. Freeze drying apparatus and method. 3,281,949, 11–1–66, Cl. 34—5.
Tyson, Richard C., II, to United States of America, Navy. Anodizing process for the metal beryllium. 3,276,974, 10–4–66, Cl. 204—32.
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Ueda, Yoshitaka. Brake lining from graphite and metal particles in a thermosetting binder. 3,269,976, 8–30–66, Cl. 260—38.
Uehara, Susumu. Amplifier circuit for broadening low frequency reproduction of a speaker. 3,245,000, 4–5–66, Cl. 330—109.
Uehara, Yasuhiko: *See*—
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Uelzmann, Heinz, to General Tire & Rubber Co. Reaction products of zinc salts with metal halides and their use as cyclic oxide polymerization catalysts. 3,242,103, 3–22–66, Cl. 260—2.
Uemura, Saburo, to Sony Corp. Time division multiplex system with special application to magnetic recording. 3,248,718, 4–26–66, Cl. 340—174.1.
Uemura, Saburo, to Sony Corp. Boundary displacement magnetic recorder and printer. 3,248,719, 4–26–66, Cl. 340—174.1.
Uemura, Saburo, to Sony Corp. High speed letter printing system. 3,254,626, 6–7–66, Cl. 118—637.
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Uemura, Tamio, E. Masuda, and S. Suzuki, to Hitachi, Ltd. Devices for mounting clutch motors on machines. 3,281,100, 10–25–66, Cl. 248—16.
Uemura, Tamio, and Y. Miyamoto, to Hitachi, Ltd. Electric motors of totally enclosed type. 3,293,461, 12–20–66, Cl. 310—57.
Uemura, Teijiro, S. Okumura, Y. Fujii, and K. Komagata, to Ajinomoto Co. Inc. Method of preparing L-isoleucine by fermentation. 3,231,478, 1–25–66, Cl. 195—29.
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Ueno, Hiromitsu. Spinning reel. 3,255,980, 6–14–66, Cl. 242—84.2.
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Kogeichi, Tanekichi, Ueno, and Tanaka. 3,244,147.
Uenohara, Michiyuki, to Bell Telephone Laboratories, Inc. Electronically tunable idler circuit for varying signal parametric amplifier. 3,253,227, 5–24–66, Cl. 330—4.8.
Uenohara, Michiyuki, to Bell Telephone Laboratories, Inc. Hermetic seal for coaxial cables with resilient wave permeable sealing member. 3,262,076, 7–19–66, Cl. 333—96.
Uenohara, Michiyuki, to Bell Telephone Laboratories, Inc. Apparatus and method for determining varactor dynamic quality factor by measurement of voltage standing wave ratio. 3,281,691, 10–25–66, Cl. 324—158.
Uerlichs, Johannes: *See*—
Rappold, Hermann, Rappold, Uerlichs, and Müller. 3,292,654.
Uerlichs, Johannes, to Hermann Rappold & Co., G.m.b.H. Slide valve, particularly a hot-blast slide valve or a hot-gas valve. 3,267,954, 8–23–66, Cl. 137—340.
Uerlichs, Johannes, to Hermann Rappold & Co. G.m.b.H. Water-cooled hot-gas and hot-blast valve tongue. 3,269,405, 8–30–66, Cl. 137—340.
Uetzmann, Paul G., to Aluminum Specialty Co. Ring mold. 3,252,683, 5–24–66, Cl. 249—168.
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Driese, Edward C., Gerig, and Uffelman. 3,295,103.
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Ugi, Ivar, to Farbenfabriken Bayer Aktiengesellschaft. Polyamides from an isonitrile, a carboxylic acid, an amino and a carbonyl compound and a process for their manufacture. 3,277,033, 10-4-66, Cl. 260—18.

Ugi, Ivar, and C. Steinbruckner, to Astra, Aktiebolaget Apotekarnes Kemiska Fabriker Sodertalje. Process for preparing amino-carboxylic acid amides. 3,247,200, 4-19-66, Cl. 260—247.2.

Ugi, Ivar, and W. Neumann, to Farbenfabriken Bayer Aktiengesellschaft. Polymerization of isocyanates utilizing an amidine, tetrazole, cyanamide or a related compound as the catalyst. 3,252,945, 5-24-66, Cl. 260—77.5.

Ugi, Ivar, C. Wiegand, E. Muller, and H. Walz, to Farbenfabriken Bayer Aktiengesellschaft. Polymerization of isocyanates. 3,259,625, 7-5-66, Cl. 260—248.

Ugi, Ivar, K. Offermann, and F.-K. Rosendahl, to Farbenfabriken Bayer Aktiengesellschaft. Carboxylic acid amides. 3,274,170, 9-20-66, Cl. 260—112.5.

Ugi, Ivar, U. Fetzer, F. Grewe, W. Behrenz, P.-E. Frohberger, B. Homeyer, H. Scheinpflug, and G. Unterstenhofer, to Farbenfabriken Bayer Aktiengesellschaft. Methods for controlling pests and fungi with polyisonitriles. 3,278,371, 10-11-66, Cl. 167—30.

Ugi, Ivar, and W. von Bonin, to Farbenfabriken Bayer Aktiengesellschaft. Polyesteramide prepared by reacting a carboxyl containing copolymer with an isonitrile and an aldehyde or a ketone. 3,285,992, 11-15-66, Cl. 260—857.

Ugi, Ivar, U. Fetzer, G. Unterstenhofer, and W. Behrenz, to Farbenfabriken Bayer Aktiengesellschaft. Phosphorus acid ester-containing isonitriles. 3,286,000, 11-15-66, Cl. 260—940.

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Uhlig, Edwin C., H. C. Buffington, I. A. King, and A. C. Brooks, to United States Rubber Co. Filament winding apparatus. 3,276,936, 10-4-66, Cl. 156—425.

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Tomanek, Martha, and Uhlig. 3,236,640.

Uhlig, Fritz, to Azoplate Corp. Process for preparing a planographic printing plate. 3,238,042, 3-1-66, Cl. 96—33.

Uhlig, Fritz, to Azoplate Corp. Planographic printing plates. 3,276,868, 10-4-66, Cl. 96—1.5.

Uhlig, Fritz, to Azoplate Corp. Wetting and cleansing agent for use in offset printing. 3,289,577, 12-6-66, Cl. 101—149.2.

Uhlmann, Erich, and I. Hedlund, to Allmanna Svenska Elektriska Aktiengesellschaft. Means for connecting alternating current networks. 3,280,334, 10-18-66, Cl. 307—83.

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Ulam, John B., to Composite Metal Products, Inc. Stainless steel clad aluminum and methods of making same. 3,261,724, 7-19-66, Cl. 148—11.5.

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Ulanet, Herman. Structurally interlocked capsule thermostats. 3,294,940, 12-27-66, Cl. 200—138.

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Ulbing, Otmar M., to Ingersoll-Rand Co. Fastener-feeding and holding mechanism for power-driven fastener tools. 3,266,537, 8-16-66, Cl. 144—32.

Ulbing, Otmar M. Clutch device with pressure multiplying and automatic wear compensating means. 3,288,257, 11-29-66, Cl. 192—35.

Ulbing, Otmar M., 50% to Robert Rinehuls, and 25% to Richard Rinehuls. Electromagnetic switch with canted contacts. 3,289,132, 11-29-66, Cl. 335—189.

Ulbing, Otmar M. Spot brake actuator and positioning means. 3,292,739, 12-20-66, Cl. 188—23.

Ulbrich, Egbert, K. Voitel, and J. Martin, to Telefunken Patentverwertungs-G.m.b.H. Coded decimal adder. 3,278,734, 10-11-66, Cl. 235—169.

Ulbrich, Richard W. Furnace liner. 3,282,578, 11-1-66, Cl. 263—40.

Ulderup, Jürgen. Joint construction. 3,250,557, 5-10-66, Cl. 287—90.

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Ulderup, Jurgen. Tubular connecting device. 3,286,547, 11-22-66, Cl. 74—579.

Ulderup, Jurgen. Sealed ball-type joints and the like. 3,292,957, 12-20-66, Cl. 287—87.

Ulderup, Jurgen, and G. Kindel, to Lemforder Metallwaren AG. Ball joint device. 3,269,758, 8-30-66, Cl. 287—87.

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Ulfstedt, Leo T., to Casius Corp. Method for the manufacture of artificial stones and other shaped bodies from mineral sulfurous materials. 3,250,836, 5-10-66, Cl. 264—82.

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Uline, Lawrence J., and H. A. Trull, to Union Carbide Corp. Dielectric interrupter. 3,291,889, 12-13-66, Cl. 174—8.

Ulinski, Bronislaus I., to Yale and Towne Inc. Brake and controller arrangement for electric industrial truck. 3,235,042, 2-15-66, Cl. 192—2.

Ulinski, Bronislaus I., to Eaton Yale & Towne, Inc. Motor control system for an industrial truck. 3,283,227, 11-1-66, Cl. 318—252.

Ulinski, Bronislaus I., to Yale & Towne, Inc. Industrial truck. 3,287,024, 11-22-66, Cl. 280—43.12.

Ulinski, Bronislaus I., to Eaton Yale & Towne Inc. Hydraulic ram for lift truck. 3,289,791, 12-6-66, Cl. 187—9.

Ullery, Lee R., Jr., to United Aircraft Corp. Enhanced micromodules. 3,243,661, 3-29-66, Cl. 317—101.

Ullery, Lee R., Jr., to United Aircraft Corp. Adaptive positioning device. 3,267,250, 8-16-66, Cl. 219—121.

Ullestad, Lester M. Multiple counter odometer assembly for automotive vehicles. 3,227,366, 1-4-66, Cl. 235—97.

Ullman, Evert H., to Astra, Alpotekarnes Kemiska Fabriker Aktiebolaget. Conveying device. 3,288,479, 11-29-66, Cl. 280—35.

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Ullman, Myron E., Jr., and J. M. Harroff, to Mullins Mfg. Corp. Dispensing and venting assembly for a dishwasher. 3,233,782, 2-8-66, Cl. 222—70.

Ullman, Myron E., Jr., and J. M. Harroff, to Mullins Mfg. Corp. Sump seal for a dishwasher. 3,233,919, 2-8-66, Cl. 285—12.

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Ullmann, Werner, and F. Donati, to Aktiengesellschaft fur Industrielle Elektronik AGIE. Generator for electro-erosion metal working. 3,264,517, 8-2-66, Cl. 315—174.

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Ullrich, Hansjürgen, and W. Kraft, to Hans J. Zimmer, Verfahrenstechnik. Apparatus for continuously performing chemical reactions. 3,245,762, 4-12-66, Cl. 23—285.

Ullrich, Osmar A., to Brunswick Corp. Depth-of-field correction for projection system. 3,249,004, 5-3-66, Cl. 88—24.

Ullrich, Osmar A., Jr., H. H. Hunter, and P. G. Andrus, to Xerox Corp. Multiple image forming xerographic reproduction process. 3,227,549, 1-4-66, Cl. 96—1.

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Ulmschneider, Lawrence A., to Eastman Kodak Co. Method and apparatus for molding in one-piece a spool, winding core, or the like. 3,243,490, 3-29-66, Cl. 264—328.

Ulrey, David G., to Delta Industries, Inc. Rice hull products and method of making. 3,259,501, 7-5-66, Cl. 99—2.

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Green, Milton, Sayigh, and Ulrich. 3,287,125.
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Ebach, Earl A., Merica, and Valenta. 3,247,234.
Steinhauer, Alfred F., and Valenta. 3,245,914.
Steinhauer, Alfred F., and Valenta. 3,252,856.

Valenta, Joseph R.: *See*—
Fare, Louis R., Holden, and Valenta. 3,287,412.
Fare, Louis R., Holden, and Valenta. 3,293,300.

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Valente, Carlo E. Percolating unit for coffee machines. 3,232,213, 2–1–66, Cl. 99—302.
Valente, Ernesto. Alternately seating valves. 3,230,974, 1–25–66, Cl. 137—627.5.
Valente, Ernesto. Control unit for coffee machine. 3,243,-135, 3–29–66, Cl. 251—54.
Valente, Ernesto. Heat exchange system having recycling fluent material receiving and discharging heat. 3,267,996, 8–23–66, Cl. 165—106.
Valente, Raymond L., to Manco Mfg. Co. Apparatus for pointing workpieces. 3,245,247, 4–12–66, Cl. 72—402.
Valente, Raymond L., to Manco Mfg. Co. Apparatus for severing slugs from bar stock. 3,245,296, 4–12–66, Cl. 83—162.
Valenti, Peter, to Sargent Engineering Corp. Preloaded ball screw and nut assembly. 3,258,983, 7–5–66, Cl. 74—409.
Valentin, André: *See*—
Cabaret, Jean, Gerard, and Valentin. 3,294,255.
Valentin, Georges: *See*—
Alfille, Lucien, Bocquet, Chaignon, Pramaggiore, and Valentin. 3,268 411.
Valentine, Alastair G., to Honeywell Inc. Control apparatus. 3,237,178, 2–22–66, Cl. 340—186.
Valentine, Clarence R. Device for the preparation of a cow's udder for milking. 3,267,903, 8–23–66, Cl. 119—1.
Valentine, George. Cake and pastry humidifier. 3,227,374, 1–4–66, Cl. 239—56.
Valentine, Gustav E. Fish lure. 3,273,277, 9–20–66, Cl. 43—41.
Valentine, Harry M. Combined control and tractor protection valve. Re. 25,969, 3–1–66, Cl. 303—29.
Valentine, Harry M., to Bendix-Westinghouse Automotive Air Brake Co. Variable pressure ratio valve. 3,228,731, 1–11–66, Cl. 303—60.
Valentine, Harry M., to Bendix-Westinghouse Automotive Air Brake Co. Pressure protection valve. 3,236,256, 2–22–66, Cl. 137—509.
Valentine, Harry M., to Bendix-Westinghouse Automotive Air Brake Co. Trailer brake fluid system including a mechanical lock. 3,240,537, 3–15–66, Cl. 303—29.
Valentine, Harry M., to Bendix-Westinghouse Automotive Air Brake Co. Trailer braker fluid system including a mechanical lock. 3,240,538, 3–15–66, Cl. 303—29.
Valentine, Harry M., to Bendix-Westinghouse Automotive Air Brake Co. Dual circuit protection valve. 3,273,582, 9–20–66, Cl. 137—111.
Valentine, Harry M., to Bendix-Westinghouse Automotive Air Brake Co. Vehicle fluid pressure brake system and control valve. 3,294,455, 12–27–66, Cl. 303—9.
Valentine, Harry M., and F. R. Schubert, to Bendix-Westinghouse Automotive Air Brake Co. Brake mechanism with mechanical lock. 3,267,819, 8–23–66, Cl. 92—24.
Valentine L. Morgan Co.: *See*—
Valentine, Linden M. 3,289,706.
Valentine, Leslie M., and H. Fletcher, to Tootal Broadhurst Lee Co. Ltd. Halo-, sulfato-, and phosphato-alkyl sulfonium salts reactions with hydroxylated and aminated textiles and other polymers and the product of such reactions. 3,251,-642, 5–17–66, Cl. 8—94.33.
Valentine, Linden M., to L. Morgan Valentine Co. Means for the manufacture of cut pile fabrics. 3,289,706, 12–6–66, Cl. 139—21.
Valentine, Norman S.: *See*—
Lemon, Maurice C., and Valentine. 3,249,389.
Valentine, Norman S., and M. C. Lemon, to Polymark Ltd. Apparatus for conveying articles in laundries, dry-cleaning establishments and the like. 3,244,454, 4–5–66, Cl. 302—28.
Valentine, Norman S., and M. C. Lemon, to Polymark Ltd. Apparatus for manipulating article containers in conveying installations. 3,245,724, 4–12–66, Cl. 302—3.
Valentine, Richard J. Drawer construction. 3,233,952, 2–8–66, Cl. 312—229.
Valentine, William M. Air handling apparatus. 3,272,427, 9–13–66, Cl. 230—47.
Valentyne, Peter H.: *See*—
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De Gaston, Raoul H. 3,285,657.
Valette, Leon J.: *See*—
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Vali, Victor and W. 3,281,600.
Valida Maskiner, Aktiebolaget: *See*—
Jonson, Henry C. 3,282,400.
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Valk, John, Jr. Caulking gun cartridge. 3,288,333, 11–29–66, Cl. 222—95.
Valko, Emery I., to J. P. Stevens & Co., Inc. Textile material. 3,288,175, 11–29–66, Cl. 139—425.
Valko, Emery I., and G. C. Tesoro, to Onyx Chemical Corp. Addition products of polyamines with polyalkoxy compounds and textiles treated therewith. 3,230,183, 1–18–66, Cl. 260—2.
Valle, Louis J., to National Teltronics Corp. Combination receptacle plug and jack means. 3,258,735, 6–28–66, Cl. 339—177.
Valleau, Robert L., to Comar Electric Co. Solenoid device having a non-rotatably mounted coil bobbin. 3,274,525, 9–20–66, Cl. 335—255.
Vallelunga, Anthony J.: *See*—
Kowalik, Thomas J., Vallelunga, and Perron. 3,279,313.
Vallelunga, Anthony J., and R. E. Secor. Auxiliary power operation of vehicle windshield wiper. 3,257,654, 6–21–66, Cl. 307—64.
Vallese, Lucio M., to International Telephone and Telegraph Corp. Adjustable input impedance amplifier. 3,271,528, 9–6–66, Cl. 179—170.
Vallese, Lucio M., and M. King, to International Telephone and Telegraph Corp. Distortion compensation of optoelectronic devices. 3,290,504, 12–6–66, Cl. 250—199.
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Hucke, Edward E. 3,235,346.
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Weinman, Carl E. 3,263,822.
Valley, David J.: *See*—
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Valley, David J., to Union Carbide Corp. Laminate of alternate conductive and dielectric layers. 3,268,773, 8–23–66, Cl. 317—101.
Valli, Kai A., to Arenco Aktiebolag. Bundle holder. 3,292,-962, 12–20–66, Cl. 294—5.5.
Valliere, Edward G., to American Electronic Laboratories, Inc. Optical catheter means. 3,267,932, 8–23–66, Cl. 128—2.05.
Valls, Conrado. Pressure roller devices for the wet treatment of textile materials. 3,253,433, 5–31–66, Cl. 68—22.
Valls, Conrado. Apparatus for treating textile materials with a fluid bath. 3,285,037, 11–15–66, Cl. 68—15.
Valls, Conrado. Textile treating chambers. 3,285,041, 11–15–66, Cl. 68—181.
Valls, Paule, R. Soulas, and Y. Etienne, to Eastman Kodak Co. Plasticized compositions comprising a polyester of hydracrylic acid, and a cellulose ester. 3,277,031, 10–4–66, Cl. 260—13.
Valmet Oy: *See*—
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Valmont Corp.: *See*—
Clark, Ruel R. 3,227,364.
Valtanen, Seppo O., O. J. Punttila, and U. V. Sjolund, to A. Osakevhtio Ahlström. Strainer of the centrifugal type. 3,275,156, 9–27–66, Cl. 210—415.
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Valvassori, Alberto: *See*—
Natta, Giulio, Dall'Asta, Mazzanti, Pasquon, Valvassori, and Zambelli. 3,250,755.
Natta, Giulio, Mazzanti, Valvassori, Sartori, and Cameli. 3,260,708.
Natta, Giulio, Mazzanti, Valvassori, and Sartori. 3,281,-398.
Valve Corp. of America: *See*—
Beres, Steven, O'Donnell, and Steiman. 3,283,785.
Lehmann, Herbert G. 3,263,867.
Lehmann, Herbert G. 3,272,406.
Lehmann, Herbert G. 3,276,641.
Lehmann, Herbert G. 3,278,093.
O'Donnell, William R., and Steiman. 3,228,571.
Sagarin, Philip H. 3,227,321.
Sagarin, Philip H. 3,240,397.
Sagarin, Philip H. 3,245,588.
Sagarin, Philip H. 3,253,749.
Sagarin, Philip H. 3,263,808.
Sagarin, Philip H. 3,272,394.
Schulman, Leon, and Steiman. 3,248,022.
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Valyi, Emery I., to Olin Mathieson Chemical Corp. Metal fabrication. 3,230,618, 1–25–66, Cl. 29—470.9.
Valyi, Emery I., to Olin Mathieson Chemical Corp. Aircraft structure. 3,261,576, 7–19–66, Cl. 244—130.
Valyi, Emery I. Extruders for plastic material. 3,262,154, 7–26–66, Cl. 18—12.
Valyi, Emery I., to Olin Mathieson Chemical Corp. Heat exchanger. 3,289,750, 12–6–66, Cl. 165—110.
Van Akkeren, Leon A., to Armour and Co. Process for inhibiting breakdown in heated oils. 3,284,213, 11–8–66, Cl. 99—118.
Van Allan, James A.: *See*—
Sagura, John J., and Van Allan. 3,282,693.
Van Allan, James A., C. C. Natale, and F. J. Ranner, to Eastman Kodak Co. Light-sensitive layers containing pyrylium and thiapyrylium salts. 3,250,615, 5–10–66, Cl. 96—1.
Van Amerongen, Gerrit J., and N. Kloos, to Shell Oil Co. Unsaturated polyesters prepared from glycidyl esters of mixed branched monocarboxylic acids. 3,249,653, 5–3–66, Cl. 260—861.
Vanant Co., Inc.: *See*—
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Van Antwerpen, Martin, and Freedy. 3,269,244.

Van Antwerp, Robert, and G. H. Freier, to V-M Corp. Remotely controlled record changer. 3,228,698, 1–11–66, Cl. 274—10.
Van Antwerp, Robert L., to V-M Corp. Needle cleaning brush for record changers. 3,266,807, 8–16–66, Cl. 274—1.
Van Antwerpen, Martin, and Freedy. 3,273,472.
Van Antwerpen, Martin, and L. G. Freedy, to Vanant Co., Inc. Automatic machine for packaging cabinets. 3,247,-645, 4–26–66, Cl. 53—186.
Van Antwerpen, Martin, and L. G. Freedy, to Vanant Co., Inc. Device for feeding, cutting and dropping a measured length of cushioning material. 3,269,244, 8–30–66, Cl. 83—222.
Van Antwerpen, Martin and L. G. Freedy, to Vanant Co., Inc. Carton flat set up mechanism. 3,273,472, 9–20–66, Cl. 93—53.
Vananzi, Joseph M.: *See*—
O'Shea, William F., and Vananzi. 3,270,149.
Vananzi, Joseph M., to Continental-Wirt Electronics Corp. Switch device with improved detent structure. 3,271,535, 9–6–66, Cl. 200—16.
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De John, Charles R., and Vanarelli. 3,267,790.
Van Arkel, Anton E.: *See*—
Allen, Lloyd R., Koller, and Van Arkel. 3,262,187.
Van Artsdalen, Earl F.: *See*—
Levy, Marvin E., Quinlan, White, and Van Artsdalen. 3,242,864.
Van Asselt, Willem J., J. J. M. Evers, and M. H. Gielen, to Stamicarbon N.V. Process for the preparation of high molecular-weight formaldehyde polymers. 3,227,689, 1–4–66, Cl. 260—67.
Vanator, George M., to General Motors Corp. Apparatus for detecting gear wheel dimensional variations. 3,231,813, 1–25–66, Cl. 324—34.
Van Atta, Albert D., to The Tait Mfg. Co. Pumps. 3,269,-324, 8–30–66, Cl. 103—87.
Van Atta, Lester C., M. J. Ehrlich, and R. S. Wehner, to Hughes Aircraft Co. Surface wave antenna. 3,235,869, 2–15–66, Cl. 343—755.
Van Auwelaer, Albert J.: *See*—
French, John L., Schrader, and Van Auwelaer. 3,251,491.
Van Baarn, Paul S. Plastic stopper with guarantee strip. 3,272,368, 9–13–66, Cl. 215—41.
Van Bael, Joseph. Wet lime screener. 3,271,012, 9–6–66, Cl. 259—29.
Van Bael, Joseph. Plastering splash apron. 3,290,838, 12–13–66, Cl. 52—173.
Van Barneveld, Evert J., and F. F. de Haan, to North American Philips Co., Inc. Color television tube screen having strip interruption for reducing perceptibleness of stripe structure. 3,247,412, 4–19–66, Cl. 313—92.
Van Beest, Adolph C., and G. Schuur, to Shell Oil Co. Coalescence process using polyolefin fiber. 3,239,452, 3–8–66, Cl. 208—187.
Van Bennekom, Carl F.: *See*—
Kernander, Warren N., and Van Bennekom. 3,245,021.
Van Bergen, Jan A., and C. P. de Jong, to North American Philips Co., Inc. Electric arc welding apparatus. 3,249,-276, 5–3–66, Cl. 226—174.
Van Bergen, Jan A., and H. J. Kanters, to North American Philips Co., Inc. Welding electrodes feed apparatus. 3,288,337, 11–29–66, Cl. 226—181.
Van Bergen, Johannes A. W. P. Ear-ring clips. 3,237,266, 3–1–66, Cl. 24—248.
Van Berkel, Petrus L. M., to De Staat der Nederlanden, ten deze vertegenwoordigd door de Directeur-Generaal der Posterijen Telegrafie en Telefonie. Device for reading signals from a tape. 3,274,337, 9–20–66, Cl. 178—17.
Van Berkel, Petrus L. M., and H. C. A. van Duuren, to De Staat der Nederlanden, ten deze Verlegenwoordigd door de Directeur-Generaal der Posterijen, Telegrafie en Telefonie. Method of recording marks and method and device for scanning these marks. 3,257,545, 6–21–66, Cl. 235—61.12.
Van Berkum, Johannes A.: *See*—
Gribnau, Franciscus B., Van Berkum, and Struijs. 3,279,-979.
Van Beukering, Henricus C. J.: *See*—
Rietdijk, Johan A., Van der Aa, Van Beukering, and Meijer. 3,241,379.
Van Blaricom, Lloyd E., and F. A. Johnston, to Rayonier Inc. Iron complexed sulfonated polyflavonoids and their preparation. 3,270,003, 8–30–66, Cl. 260—236.5.
Van Blerkom, Richard: *See*—
Blasbalg, Herman, and Van Blerkom. 3,237,170.
Van Bloois, Adriaan, and B. H. Geels, to North American Philips Co., Inc. Device for automatic ascertainment of an interruption in a sequence of successively incoming serial numbers. 3,229,256, 1–11–66, Cl. 340—172.5.
Van Bosse, John G.: *See*—
Sanders, Richard P., Van Bosse, and Melvin. 3,278,689.
Van Breemen, Bertram, to Honeywell Inc. Curtain shutter. 3,232,198, 2–1–66, Cl. 95—57.
Van Brocklin, Owen F.: *See*—
Dawson, William J., and Van Brocklin. 3,276,638.
Kanbar, Maurice S., Van Brocklin, and Elmi. 3,259,131.
Van Broekhoven, Jacob, and R. W. Repsher, to Westinghouse Electric Corp. Halophosphate phosphor material of improved luminosity and maintenance characteristics for fluorescent lamps. 3,255,373, 6–7–66, Cl. 313—109.
Van Buren, Harold S., Jr., to United-Carr Inc. Joint assembly and fastener for same. 3,233,501, 2–8–66, Cl. 85—80.
Van Buren, Harold S., Jr., to United-Carr Inc. Ornamental letter assembly. 3,234,678, 2–15–66, Cl. 40—143.
Van Buren, Harold S., Jr., to United-Carr Inc. Arm chair fastener. 3,271,073, 9–6–66, Cl. 297—422.
Van Burkleo, Glenn G., to Esso Production Research Co. Radio alarm system having preselected code sequences. 3,230,454, 1–18–66, Cl. 325—166.
Van Buskirk, Warren T., to Friden, Inc. Resettable control device having elements reset by use of heartshaped cams. 3,249,300, 5–3–66, Cl. 235—144.
Van Cakenberghe, Jean L., to Union Carbide Corp. Apparatus for growing solid homogeneous compositions. 3,241,-925, 3–22–66, Cl. 23—273.
Vancamp, Raymond M.: *See*—
Bohl, Lester E., and Vancamp. 3,256,352.
Vance, Eugene E., Sr.: *See*—
Haynes, Charles F., and Vance. 3,234,589.
Vance, Frank, and J. K. Hunter, to Exitar Corp. Cigarette holder with disposable container. 3,254,655, 6–7–66, Cl. 131—202.
Vance, Henry E.: *See*—
Pennell, Charles V., and Vance. 3,244,918.
Vance, Norman W., and F. H. Chambers, to Big Horn Gypsum Co. Gypsum wallboard panels. 3,241,276, 3–22–66, Cl. 52—173.
Vance, Paul A., Jr.: *See*—
Flook, William M., Jr., and Vance. 3,272,945.
Vance, Paul A., Jr., to E. I. du Pont de Nemours and Co. Temperature-responsive thermally adjustable control device. 3,284,736, 11–8–66, Cl. 335—146.
Vance, Russell K., and R. W. McMickle. Dispensing device for tubular containers. 3,289,893, 12–6–66, Cl. 222—102.
Vancha, John, ½% to F. A. Michaels. Automatic engine starter. 3,275,836, 9–27–66, Cl. 290—38.
Vancouver General Hospital, The: *See*—
McRae, Norman R. 3,235,300.
Van Couvering, Alan, and H. H. Luckey, to Hughes Aircraft Co. Semiconductor diode and method of making same. 3,249,982, 5–10–66, Cl. 29—25.3.
Van Daelen, Henri J. G. M., to North American Philips Co. Inc. Circuit arrangement for igniting ignitrons. 3,246,-203, 4–12–66, Cl. 315—208.
Vandale Corp.: *See*—
Buschbom, Floyd E. 3,232,418.
Buschbom, Floyd E. 3,232,456.
Buschbom, Floyd E. 3,235,229.
Buschbom, Floyd E. 3,251,454.
Buschbom, Floyd E. 3,254,798.
Buschbom, Floyd E. 3,289,863.
Buschbom, Floyd E., and Hansen. 3,292,585.
Buschbom, Floyd E., and Hansen. 3,292,587.
Vandusen, Frederick E. 3,254,777.
Van Dalen, Christiaan J., to De Staat der Nederlanden, ten Deze Vertegenwoordigd door de Directeur-Generaal der Posterijen, Telegrafie en Telefonie. Variable capacity information storing transmission link. 3,230,510, 1–18–66, Cl. 340—172.5.
Van Dalen, Christiaan J., and C. L. de Jong, to De Staat der Nederlanden ten Deze Vertegenwoordigd door de Directeur-Generaal der Posterijen, Telegrafie en Telefonie. Device for guiding postal articles, forms or the like. 3,272,500, 9–13–66, Cl. 271—34.
Van Dam, Max: *See*—
Wolfson, Kurt, and Van Dam. 3,257,941.
Van Damme, Louis E.: *See*—
Allen, Theodore E., Baker, Bidlack, Gardner, Mullan, Ozenberger, and Van Damme. 3,271,524.
Van Damme-van Weele, Marina A., to Diamond Alkali Co. Method of adding stabilizers to the sodium chloride solution in the production of sodium bicarbonate. 3,281,206, 10–25–66, Cl. 23—65.
Vandaveer, Frederick E., Jr., to Taylor Instrument Cos. Selection of the highest or lowest of two or more currents. 3,252,008, 5–17–66, Cl. 307—88.5.
Van de Geijn, Johannes, to Picker X-Ray Corp. Waite Mfg. Division, Inc. Device for accurately positioning X-ray filters in the beam path. 3,248,547, 4–26–66, Cl. 250—86.
Vandeghen, Albert H. M. Nuclear power plants with superheater. 3,236,209, 2–22–66, Cl. 122—33.
Vandeghen, Albert H. M., and N. N. Salier. Nuclear power plants with superheater. 3,236,210, 2–22–66, Cl. 122—33.
Van de Graaff, Robert J., to High Voltage Engineering Corp. Multi-disk electromagnetic power machinery. 3,239,702, 3–8–66, Cl. 310—168.
Van de Graaff, Robert J., to High Voltage Engineering Corp. Apparatus for producing intense bunched beams of monoenergetic neutrons. 3,268,730, 8–23–66, Cl. 250—84.5.
Van De Graaff, Robert J., to High Voltage Engineering Corp. High voltage electromagnetic apparatus having an insulating magnetic core. 3,289,066, 11–29–66, Cl. 321—1.
Van de Kerkhof, Cornelis M.: *See*—
Coe, Thomas, and Van de Kerkhof. 3,261,769.
Van de Kerkhof, Lodevicus L. J., to AMP, Inc. Twin crimp applicator. 3,263,475, 8–2–66, Cl. 72—381.
Van de Meerendonk, Gerardus C., to Nedschroef Octrooi Maaschappij N.V. Machine for pressing or punching articles, such as nuts. 3,231,912, 2–1–66, Cl. 10—76.

Van de Meerendonk, Gerardus C., to Nedschroef Octrooi Maatschappij N.V. Nut transfer mechanism in machine for making nuts and similar articles. 3,259,929, 7-12-66, Cl. 10—76.

Van de Meerendonk, Gerardus C., to Nedschroef Octrooi Maatschapij, N.V. Transfer means for machine for making bolts, nuts and the like. 3,274,626, 9-27-66, Cl. 10—12.

Van den Berg, Cornelis E. P. V., G. J. A. Scheers, and T. Pulles, to Stamicarbon N.V. Process for separating an amorphous polymer from a solution thereof. 3,234,995, 2-15-66, Cl. 159—47.

Vandenberg, Edwin J., to Hercules Inc. Process and catalyst for polymerization of 1-olefins. 3,261,821, 7-19-66, Cl. 260—93.7.

Vandenberg, Edwin J., to Hercules Inc. Epoxide copolymers. 3,272,889, 9-13-66, Cl. 260—823.

Vandenberg, Edwin J., to Hercules Inc. Polymeric epoxides. 3,275,573, 9-27-66, Cl. 260—2.

Vandenberg, Edwin J., to Hercules Inc. Process for polymerizing epoxides with an alkyl aluminum compound. 3,280,045, 10-18-66, Cl. 260—2.

Vandenberg, Edwin J., to Hercules Inc. Polymerization catalyst. 3,281,375, 10-25-66, Cl. 252—429.

Vandenberg, Edwin J., to Hercules Inc. Crystalline poly (vinyl ethers) and preparation thereof. 3,284,426, 11-8-66, Cl. 260—91.1.

Vandenberg, Edwin J., to Hercules Inc. Crystalline poly (epoxide)s. 3,285,861, 11-15-66, Cl. 260—2.

Vandenberg, Edwin J., to Hercules Inc. Phenyl glycidyl ether-epichlorohydrin copolymer. 3,285,862, 11-15-66, Cl. 260—2.

Vandenberg, Edwin J., to Hercules Inc. Copolymers of epihalohydrins and glycidyl esters of ethylenically unsaturated acids. 3,285,870, 11-15-66, Cl. 260—24.

Vandenberg, Edwin J., to Hercules Inc. Cross linked elastomeric fibers from copolymers of epihalohydrins and ethylenically unsaturated mono-epoxides. 3,285,893, 11-15-66, Cl. 260—88.3.

Van den Berge, Cornelis, to American Enka Corp. Melt spinning process. 3,271,493, 9-6-66, Cl. 264—143.

Van den Boogaart, Krijn, to Fabriek Van Chemische Producten Vondelingenplaat N.V. Vulcanization accelerators. 3,261,816, 7-19-66, Cl. 260—79.5.

Van den Boogaart, Krijn, to Fabriek van Chemische Producten Vondelingenrplaat N.V. Dinitrophenyl compound having herbicidal properties and method of using the same. 3,266,884, 8-16-66, Cl. 71—2.6.

Van den Bos, Bernadus G.: *See*—
Koopmans, Martinus J., Meltzer, Huisman, Van den Bos, Wellinga, and Schoot. 3,227,611.

Meltzer, Jacques, Wellinga, and Van den Bos. 3,230,139.

Van den Bos, Gerrit, to Hamac-Hansella Aktiengesellschaft. Driving mechanism for adjustable up-and-down activation of the sealing jaws of a packaging machine. 3,266,216, 8-16-66, Cl. 53—180.

Van den Bos, Gerrit, to Hamac-Hansella Aktiengesellschaft. Apparatus for hydraulic control of the transverse sealing jaws of a packaging machine. 3,266,217, 8-16-66, Cl. 53—180.

Vandenbosch, Arthur J.: *See*—
Ackerman, Wilbert E., and Vandenbosch. 3,236,163.

Van den Bosch, Mathijs. Electrical heating device for warming up and maintaining the temperature of a nursing bottle. 3,231,716, 1-25-66, Cl. 219—433.

Van den Broek, Gerard M. E.: *See*—
Tanter, Herve, and Van den Broek. 3,230,460.
Tanter, Herve, and Van den Broek. 3,230,526.
Tanter, Herve, and Van den Broek. 3,230,529.

Van den Broek, Gerard M. E., and H. Y. Bouver, to Laboratoire Central de Telecommunications. Moving targets electromagnetic detection systems. 3,230,528, 1-18-66, Cl. 343—11.

Van den Broek, Jan A., to Mansfield Industries, Inc. Automatic diaphragm control. 3,259,045, 7-5-66, Cl. 95—64.

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Van Berkel, Petrus L. M., and Van Duuren. 3,257,545.

Van Duuren, Hendrik C. A., to de Staat der Nederlanden ten Deze Veteregenwoordigd door de Directeur-Generaal der Posterijen Telegrafie en Telefonie. Simplex telegraph system for scanning answer-back signals. 3,272,921, 9–13–66, Cl. 178—69.

Van Duuren, Hendrik C. A., and H. da Silva, to de Staat der Nederlanden, ten deze Vertegenwoordigd door de Directeur-Generaal der Posterijen, Telegrafie en Telefonie. Multi-channel tele-communication synchronization system. 3,230,-309, 1–18–66, Cl. 178—53.

Van Duuren, Kars: *See*—
Nienhuis, Kornelis, and van Duuren. 3,259,775.

Van Duzer, Kenneth W., Jr., and R. F. Maxwell, Jr., to United States of America, Navy. Infrared system audio augmentation circuit. 3,278,932, 10–11–66, Cl. 340—384.

Van Dyke, Bruce E.: *See*—
Nowak, William W., and Van Dyke. 3,237,836.

Van Dyke, Lyle H., Jr.: *See*—
Allen, Kenneth M., Van Dyke, and Breunsbach. 3,275,-136.

Van Dyke, Peter F., to Andrew Corp. Coaxial cable connectors. 3,291,895, 12–13–66, Cl. 174—88.

Van Dyke, William E., and O. C. Balthrope. Rollout carrier. 3,251,520, 5–17–66, Cl. 224—42.03.

Vane, John R., and H. O. J. Collier, to Parke, Davis & Co. 7-chloro-α-methyltryptamine derivatives. 3,282,959, 11–1–66, Cl. 260—326.15.

Van Eden, Donald J. Device for straightening warped doors. 3,289,353, 12–6–66, Cl. 49—503.

Van Eeck, Philippe F., to Douglas Aircraft Co., Inc. Particle filled conductor. 3,238,355, 3–1–66, Cl. 219—528.

Van Eenam, Donald N.: *See*—
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Vanegas, Guillermo J., to General Electric Co. Refrigerator cabinet including adjustable hinge mounting. 3,290,109, 12–6–66, Cl. 312—326.

Van Egmond, Cornelis: *See*—
Zoglmann, Rudolf, and Van Egmond. 3,292,518.

Van Elkeren, Hans, to Kitchens of Sara Lee, Inc. Gas barriers for an article conveyor. 3,293,879, 12–27–66, Cl. 62—266.

Van Elten, Gerrit J. Apparatus for the continuous cutting of building blocks from a fibrous mixture. 3,269,237, 8–30–66, Cl. 83—120.

Van Endert, Fritz, to Lindemann Maschinenfabrik G.m.b.H. Shearing machine. 3,240,094, 3–15–66, Cl. 83—636.

Van Engeland, Jozef L.: *See*—
De Troeyer, Karel F., Van Engeland, and Noe. 3,246,148.

Van Epps, Arthur E.: *See*—
Hagquist, Frederick M., and Van Epps. 3,273,611.

Van Eps, Robert. Phonograph pick-up arm. 3,232,625, 2–1–66, Cl. 274—23.

Van Erden, Donald L.: *See*—
Diuzen, Edward R., Sandmore, and Van Erden. 3,276,-579.

Van Esdonk, Johannes: *See*—
Weber, Cornelis, and Van Esdonk. 3,289,034.

Vaness, Harry, to Rheem Australia Pty. Ltd. Container closure. 3,291,335, 12–13–66, Cl. 220—27.

Van Etten, Wallace D. Self-supporting prefabricated panels and sealing members therefor. 3,289,370, 12–6–66, Cl. 52—309.

Van Evera, Charles. Spring reel. 3,237,878, 3–1–66, Cl. 242—107.3.

Van Eynde, Jozef A., V. A. M. Maggini, and H. F. P. W. Van Horen, to International Standard Electric Corp. Field telephone system. 3,264,412, 8–2–66, Cl. 179—6.

Van Fleet, Paul T. Incoming mail indicating signal. 3,291,-386, 12–13–66, Cl. 232—35.

Van Fossen, Harvey G., to The Wheelabrator Corp. Method for the finishing of parts. 3,248,826, 5–3–66, Cl. 51—316.

Van Gaasbeek, William H. Dry box apparatus. 3,267,830, 8–23–66, Cl. 98—1.

Van Geen, John. Oscillator with current responsive electroplated variable resistance controlling frequency and amplitude. 3,249,892, 5–3–66, Cl. 331—109.

Van Gelder, Arthur. Dehydrating process using electro-magnetic induction heating. 3,253,344, 5–31–66, Cl. 34—5.

Van Gelder, Hans: *See*—
Carroll, James C., Decker, Thompson, and Van Gelder. 3,248,648.

Van Gemert, Johannes T.: *See*—
Hall, John R., and Van Gemert. 3,291,714.

Van Geuns, Johannes R., to North American Philips Co., Inc. Method of maintaining the continuous operation of a device for separating constituents in the solid state from a gas mixture by cooling and devices for carrying out these methods. 3,226,936, 1–4–66, Cl. 62—13.

Van Geuns, Johannes R., to North American Philips Co., Inc. Gas liquefier plant with low pressure storage. 3,282,061, 11–1–66, Cl. 62—37.

Van Gieson, Walter D., Jr.: *See*—
Mazure, Alexander, Ruocchio, Stickler, Tate, and Van Gieson. 3,293,555.

Van Gijzen, Jacob, to Fabriek Van Chemische Producten Vondelingenplaat N.V. Process for the preparation of halodeliphatic esters of carboxylic acids. 3,256,305, 6–14–66, Cl. 260—408.

Van Giles, Gerard E.: *See*—
Huber, Gordon, Rolik, and van Giles. 3,231,410.

Van Gils, Adrianus W. Device for utilizing the energy present in rolling waves of water. 3,271,959, 9–13–66, Cl. 60—55.

Van Gils, Cornelis L. M., T. G. W. Stijntjes, and J. G. W. van de Waterbeemd, to North American Philips Co., Inc. Method for preparing manganese zinc-ferrous ferrite. 3,252,913, 5–24–66, Cl. 252—62.5.

Van Glabbeek, Cornelis H.: *See*—
Sprengers, Johannes, Stauttener, and Van Glabbeek. 3,293,098.

Van Gompel, James J.: *See*—
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Van Groningen, Henri P. Process for sealing tubes. 3,286,-010, 11–15–66, Cl. 264—242.

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Diemond, Joseph, Gershman, and Vangsness. 3,268,917.

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Dawson, John W., and Long. 3,271,574.
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Van Moss, John H., Jr. 3,294,036.

Van Gulik, Gerardus C.: *See*—
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Van Hsagen, Richard H., to Oceanic Instruments, Inc. Magnetostrictively vibrated electrode probe. 3,229,129, 1–11–66, Cl. 310—26.

Van Haase, Victor A.: *See*—
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Van Handel, Ambrose B., and D. H. Peterson. Pill and capsule counting tray and finger spatula. 3,255,894, 6–14–66, Cl. 214—1.

Van Harten, Herbert, to Hilgers Maschinen- und Apparate-Bauanstalt m.b.H. Bending machine. 3,261,193, 7–19–66, Cl. 72—150.

Van Harten, Herbert, to Hilgers Maschinen-und Apparate-bauanstalt m.b.H. Bending machine. 3,287,952, 11–29–66, Cl. 72—150.

Van Hartesveldt, Carroll H., and B. D. Wahl, to Hoover Ball and Bearing Co. Grid bearing sheet. 3,282,311, 11–1–66, Cl. 144—2.

Van Hartesveldt, Carroll H., and B. D. Wahl, to Hoover Ball and Bearing Co. Apparatus for case hardening wood. 3,292,676, 12–20–66, Cl. 144—2.

Van Hecke, George J., and P. R. Chiro, to Huck Mfg. Co. Multiple stroke rivet installation tool. 3,247,668, 4–26–66, Cl. 60—52.

Van Heel, Abraham C. S., G. J. Beernink, and J. G. Doekes, to Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek ten Behoeve van de Rijksverdedigino. Periscope sextant. 3,269,253, 8–30–66, Cl. 88—2.3.

Van Hekken, Frans, to Radio Corp. of America. Cathode ray tube. 3,294,999, 12–27–66, Cl. 313—70.

Van Helden, Leo H. J.: *See*—
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Van Heyningen, Earle M., to Eli Lilly and Co. Dithiocarboxylated cephalosporins. 3,239,515, 3–8–66, Cl. 260—243.

Van Heyningen, Earle M., and C. N. Brown, to Eli Lilly and Co. Dithiocarboxylated cephalosporins. 3,239,516, 3–8–66, Cl. 260—243.

Van Hezik, Adrianus E. Q. Climbing crane. 3,245,551, 4–12–66, Cl. 212—64.

Van Hijfte, Herman M., to Hollandse Signaalapparaten, N.V. Radar apparatus provided with an arrangement reacting to interference and jamming by changing either the polarization direction of the aerial system of the carrier frequency or both. 3,281,837, 10–25–66, Cl. 343—7.3.

Van Hise, Charles W., to American Radiator & Standard Sanitary Corp. Method of soldering semiconductor discs. 3,287,794, 11–29–66, Cl. 29—155.5.

Van Hoesen, Frances R.: *See*—
Van Hoesen, Richard W., and Weinstein. 3,257,839.

Van Hoesen, Richard W., deceased (by F. R. Van Hoesen, administratrix), and M. S. Weinstein, to United States of America. Reciprocity calibration of low frequency range recording hydrophones in situ. 3,257,839, 6–28–66, Cl. 73—1.

Van Hoof, Albert E., to Gevaert Photo-Production N.V. Process for producing hectographic prints. 3,252,412, 5–24–66, Cl. 101—149.4.

Van Hoof, Albert E., and R. M. Hart, to Gevaert Photo-Producten N.V. Prevention of dye-diffusion in photographic image bearing colloid layers. 3,234,025, 2–8–66, Cl. 96—95.

Van Hoof, Albert E., and G. A. Holvoet, to Gevaert Photo-Producten N.V. Tanning development. 3,293,035, 12–20–66, Cl. 96—35.

Van Hook, John O., to Rohm & Haas Co. Vinyl halide resins plasticized with an alkanol terminated oligoester. 3,284,-399, 11–8–66, Cl. 260—31.8.

Van Hook, John O., to Rohm & Haas Co. Mixed naphthenic acid esters of polyhydric alcohols. 3,290,335, 12–6–66, Cl. 260—348.

Van Hoose, William E. Torque limiting wrench. 3,272,036, 9–13–66, Cl. 81—52.4.

Van Hoozer, William R.: *See*—
Lundeen, Allan J., and Van Hoozer. 3,283,027.

Van Horn, Irvin B.: *See*—
Powers, Eugene L., and Van Horn. 3,260,751.
Powers, Eugene L., and Van Horn. 3,277,173.

Van Horn, John H., to Webster Electric Co. Paging system. 3,267,219, 8–16–66, Cl. 179—18.

Van Horn, John H., to Sta-Rite Industries. Communication system having common amplifier means. 3,278,690, 10–11–66, Cl. 179—18.

Van Horn, Maurice J., Jr. Portable rotatable food server. 3,283,913, 11–8–66, Cl. 211—78.

Van Horn, Mildred N.: *See*—
Raymond, Gerald L., and Van Horn. 3,234,073.

Van Horn, Pyrl E., Sr., to Ohio Wire Spring Co. Retainer clip for a universal joint spider. 3,254,385, 6–7–66, Cl. 24—261.

Van Horne, Allan: *See*—
Holzschuh, Donald L., Van Horne, and Seymour. 3,267,-625.

Van Horssen, Arden D., to United-Carr Inc. Plural socket contact. 3,256,510, 6–14–66, Cl. 339—198.

Van Horssen, Arden D., to United-Carr Inc. Electrical connector contact. 3,257,636, 6–21–66, Cl. 339—218.

Van Horssen, Arden D., and F. F. Pierzina, to Nu-Line Industries, Inc. Electrical connector with bent pin contact. 3,295,097, 12–27–66, Cl. 339—217.

Van House, Robert M.: *See*—
Kellogg, George E., and Van House. 3,252,382.

Van House, Robert M., to General Motors Corp. Brake anti-skid device. 3,269,781, 8–30–66, Cl. 303—6.

Van Houten, Jan C.: *See*—
Rinzema, Anne, Edelstein, and van Houten. 3,227,634.

Van Huis, Robert L.: *See*—
Essink, Jerome M., and Van Huis. 3,241,526.

Van Huis, Robert L., to Big Dutchman, Inc. Feed return gates. 3,241,653, 3–22–66, Cl. 198—57.

Van Huis, Robert L., to Big Dutchman, Inc. Feed saver for automatic feed apparatus. 3,272,400, 9–13–66, Cl. 222—318.

Van Huis, Robert L., and J. M. Essink, to Big Dutchman, Inc. Reciprocating chick guard for conveyor-feeder corner. 3,285,230, 11–15–66, Cl. 119—52.

Vani, James, to A.J. Industries, Inc. Conveyor structure. 3,260,219, 7–12–66, Cl. 104—172.

Vanick, William A.: *See*—
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Vanik, Milton C., M. G. Sanchez, and J. E. Herrera, to W. R. Grace & Co. Temperature sensitive device. 3,270,309, 8–30–66, Cl. 338—22.

Van Ingen, Jack A.: *See*—
Carter, Arthur L., and Van Ingen. 3,239,998.

Van Iperen, Bernardus B., W. Kuypers, and M. C. Verhagen, to North American Philips Co., Inc. Method of manufacturing waveguides of the kind having a vacuum-tightly clamped-in mica window and waveguides manufactured by said methods. 3,267,398, 8–16–66, Cl. 333—98.

Van Iten, Thomas P.: *See*—
Greiner, Charles J., and Van Iten. 3,291,479.

Van Katwijk's Industrieen N.V.: *See*—
Van der Schoot, Jelle. 3,272,360.

Van Kessel, Theodorus J., to North American Philips Co., Inc. Means for reducing signal components outside of the desired band in a compatible single sideband system. 3,295,072, 12–27–66, Cl. 332—41.

Van Kessel, Theodorus J., and J. M. A. Uijen, to North American Philips Co., Inc. Transmitting device for the transmission of amplitude-modulated oscillations. 3,274,-492, 9–20–66, Cl. 325—137.

Van Koersel, Gerard R.: *See*—
Stillman, Nathan, Van Koersel, and Lindroos. 3,285,497.

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Van Langen, Johannes O. M., and T. T. Boersma, to North American Philips Co., Inc. Magnetic heads with bonding gap spacers. 3,228,092, 1–11–66, Cl. 29—155.5.

Van Le, Nguyen: *See*—
Robinson, Richard L., and Van Le. 3,232,050.

Van Leer Industries Ltd.: *See*—
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Van Leer, Johan, to Hammond Organ Co. Reverberation unit magnetic assembly. 3,270,300, 8–30–66, Cl. 333—30.

Van Leer, Oscar J., to Metal Containers Ltd. Container, particularly for liquefied petroleum gas. 3,269,132, 8–30–66, Cl. 62—45.

Van Leeuwen. Ernest G. Matchbook with ashtray compartment. 3,275,130, 9–27–66, Cl. 206—38.

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Akkerman, Antony M., Van Leeuwen, and Michels. 3,267,101.
Van Proosdij-Hartzema, Elzina G., van Leeuwen, and Akkerman. 3,239,520.

Van Leeuwen, Pieter H., to North American Philips Co., Inc. Vitamin A acid ester of vitamin A. 3,287,382, 11–22–66, Cl. 260—410.

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Kalopissis, Gregoire, and Vanlerberghe. 3,290,304.

Van Lier, Heinz: *See*—
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Van Lieshout, Henricus A., and A. F. J. M. Hoevenaars, to North American Philips Co., Inc. Electric shield for a very high-frequency channel selector. 3,234,318, 2–8–66, Cl. 174—35.

Van Ligten, Robert H., and A. D. McLeod, to Transitron Electronic Corp. Direct coupled amplifier with stabilized operating point. 3,241,082, 3–15–66, Cl. 330—19.

Van Lint, Victor A. J., and P. H. Miller, Jr., to General Dynamics Corp. Superconductive information storage device. 3,281,799, 10–25–66, Cl. 340—173.1.

Van Loo, William J., Jr., and J. M. Salsbury, to American Cyanamid Co. Process for rendering water-insoluble melamine-formaldehyde resins water-soluble. 3,232,898, 2–1–66, Cl. 260—29.4.

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Van Lookeren Campagne, Nicolaas, F. J. Zuiderweg, and G. G. Baijle, to Shell Oil Co. Process and apparatus for separating materials. 3,230,282, 1–18–66, Cl. 264—9.

Van Loon, Willem: *See*—
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Van Luik, Frank W., Jr., N. H. Wood, and E. G. Kruszona, to General Electric Co. Electrostatic precipitator. 3,250,060, 5–10–66, Cl. 55—114.

Van Manen, Siderius, to Simmonds Precision Products, Inc. Torque monitoring syatem. 3,258,961, 7–5–66, Cl. 73—136.

Vanmark Research Corp.: *See*—
Goodman, Norman H. 3,290,694.

Van Marter, William H. Dual slide projector apparatus for producing transition effects. 3,240,118, 3–15–66, Cl. 88—28.

Van Mater, Laurance F., and K. E. Campbell, to Simonds Saw and Steel Co. Manufacture of metal band saws and the like including blanks and alloys therefor. 3,231,433, 1–25–66, Cl. 148—16.5.

Van Meerbeke, Ronald C., to Worthington Corp. Sub cooling steam condensate in tube side of heat exchanger for an absorption refrigeration system. 3,266,268, 8–16–66, Cl. 62—489.

Van Meines, Henri, to International Standard Electric Corp. Electric contact arrangements. 3,277,316, 10–4–66, Cl. 307—88.5.

Van Meter, James A. Accessory holder. 3,292,401, 12–20–66, Cl. 70—459.

Van Mierlo, Gerrit G.: *See*—
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Depoorter, Henri, Libeer, Van Mierlo, and Nys. 3,268,-334.
Lineer, Marcel J., Depoorter, van Mierlo, and Lemahieu. 3,243,298.

Van Mil, Stephen A., Jr., and J. L. Arcudi, to Ivers-Lee Co. Method and machine for making a package from flexible sheet material. 3,245,197, 4–12–66, Cl. 53—28.

Van Moss, John H., Jr., to Vanguard Corp. Floor construction. 3,294,036, 12–27–66, Cl. 105—422.

Vann, William L., to United States of America, Navy. Power modulator for transmitter beam scan. 3,290,599, 12–6–66, Cl. 325—178.

Van Name, Joseph M., and W. G. Mullen. Cover for electrical insulators and method of removing same. 3,270,120, 8–30–66, Cl. 174—1.

Van Nederveen, Hans B.: *See*—
Bekkering, Johan A., Heshuysen, and van Nederveen. 3,228,854.

Vannel, Paul: *See*—
Pflugfelder, Bernard, and Vannel. 3,290,383.

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Smith, Oliver N., and Vanneman. 3,260,473.

Van Nes, Arie G.: *See*—
Roelofsen, Evert F., and Van Nes. 3,247,129.

Van Ness, Bradford O.: *See*—
Bargen, David W., and Van Ness. 3,263,158.

Van Ness, Bradford O., and W. B. Buehrle, to Motorola, Inc. Multi-aperture core coincidence memory. 3,292,166, 12–13–66, Cl. 340—174.

Van Ness, John H., to Monsanto Co. Soluble fumaric acid and adipic acid compositions. 3,245,798, 4–12–66, Cl. 99—78.

Van Ness, John H., to Monsanto Co. Free-flowing fumaric and adipic acid compositions. 3,250,624, 5–10–66, Cl. 99—78.

Van Nest, Arden L.: *See*—
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Lagler, Karl R., and Van Nest. 3,233,752.

Van Nest, William B. Method and apparatus for transporting turkeys. 3,292,581, 12–20–66, Cl. 119—17.

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Sironi, Giovanni, Testoni, Montessoro, Pareto, and Vanni. 3,249,422.

Vannier, Sadie H.: *See*—
Ikeda, Robert M., Stanley, Vannier, and Rolle. 3,294,550.

Van Nimwegen, Robert R., M. C. Steele, and C. E. Bradley, to The Garrett Corp. Gas turbine. 3,230,710, 1–25–66, Cl. 60—39.66.

Van Nimwegen, Robert R., M. C. Steele, and C. E. Bradley, to The Garrett Corp. Gas turbine. 3,263,907, 8–2–66, Cl. 230—116.

Van Noord, Andrew J., to Kent Engineering Consultants. Remote control mirror. 3,245,283, 4–12–66, Cl. 74—501.

Van Noord, Andrew J., to Kent Engineering Consultants. Remote control mirror. 3,283,607, 11–8–66, Cl. 74—501.

Van Noord, Andrew J., to Dolo Mfg. Corp. Door actuating mechanism. 3,287,757, 11–29–66, Cl. 16—72.

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Van Norman, Gilden R.: *See*—
Stimson, Ronald M., and Van Norman. 3,276,360.

Van Norman, Gilden R., to Eastman Kodak Co. Raw striping process for sonotrack dispersions. 3,227,555, 1–4–66, Cl. 96—84.

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Van Oastrom, Antonius G. J., to North American Philips Co., Inc. Ionization manometer. 3,253,183, 5–24–66, Cl. 315—108.

Van Odenhoven, Franciscus F. T., and J. Davidse, to North American Philips Co., Inc. Circuit arrangement in a color television receiver for converting a television signal received into a dot-sequential signal. 3,238,292, 3–1–66, Cl. 178—5.4.

Van Olmen, Johan: *See*—
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Van Olphen, George C. W. Method of and apparatus for dehydrating foods or other products. 3,270,428, 9–6–66, Cl. 34—4.

Van Olphen, Hendrik, to Shell Oil Co. Inhibiting settling of solid particles through a liquid. 3,268,263, 8–23–66, Cl. 302—14.

Van Oosten, Hendrik: *See*—
Van der Voort, Henricus G. P., Krukziener, Baurdoux, and van Oosten. 3,249,545.

Van Oosterhout, Gerard W.: *See*—
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Van Oosterhout, Johannes J. M.: *See*—
Vos, Eduard A., and Van Oosterhout. 3,282,031.

Van Oostrom, Antonius G. J., and A. Venema, to North American Philips Co., Inc. Field emmission tube with low temperture gas adsorption. 3,275,865, 9–27–66, Cl. 313—11.

Van Orman, William B., to General Cable Corp. Seal ring for screw type extruders. 3,274,648, 9–27–66, Cl. 18—13.

Van Ornum, Delbert G.: *See*—
Giannini, Gabriel M., and Van Ornum. 3,229,098.

Van Ornum, Delbert G., to Giannini Scientific Corp. Apparatus for generating high-intensity light with high temperature particulate material. 3,290,552, 12–6–66, Cl. 315—111.

Van Ornum, Delbert G., to Giannini Scientific Corp. Gas vortex-stabilized light source. 3,292,028, 12–13–66, Cl. 313—30.

Van Ostrom, Marshall. Teaching machine. 3,252,229, 5–24–66, Cl. 25—9.

Van Overbeek, Adrianus J. W. M., to North American Philips Co., Inc. Plural laser amplifiers in tandem. 3,247,459, 4–19–66, Cl. 330—4.3.

Van Paassen, Hugo L. L.: *See*—
Allen, Richard J., and Van Paassen. 3,262,013.
Allen, Richard J., Van Paassen, and Muly. 3,262,003.

Van Paassen, Hugo L. L., and A. Guimento, to Martin-Marietta Corp. Method and apparatus for the treatment of plastic materials. 3,288,638, 11–29–66, Cl. 117—213.

Van Paesschen, August J. Process for preparing poly(aminostyrene). 3,242,138, 3–22–66, Cl. 260—65.

Van Paesschen, August J., M. N. Rancken, and R. M. Hart, to Gevaert Photo-Producten N.V. Proteinaceous materials. 3,257,208, 6–21–66, Cl. 96—114.

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Van Patten, Dale L. Tool structure. 3,267,506, 8–23–66, Cl. 15—236.

Van Peborgh, Robert. Homogenizing device for thermoplastic materials worked in extrusion machines and the like. 3,234,597, 2–15–66, Cl. 18—12.

Van Pee, Paul D., J. T. Lemmerling, and H. A. Pattyn. Light-sensitive silver halide material containing hydrophobic starch derivatives. 3,253,926, 5–31–66, Cl. 96—114.

Van Peursem, Marvin D., to Winpower Mfg. Co. Scraper blade mounting means. 3,243,907, 4–5–66, Cl. 37—179.

Van Polanen Petel, William G.: *See*—
Dickens, Charles G., and Van Polanen Petel. 3,279,354.

Van Pool, Joe: *See*—
Cabbage, John T., and Van Pool. 3,249,519.
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Van Pool, Joe, to Phillips Petroleum Co. Alkylate production using organic fluorides. 3,253,054, 5–24–66, Cl. 260—683.48.

Van Pool, Joe, to Phillips Petroleum Co. Process for removing trace olefins from paraffin hydrocarbon containing streams. 3,281,484, 10–25–66, Cl. 260—676.

Van Poollen, Hendrik K., to Marathon Oil Co. Prevention of emulsion formation in crude oil production. 3,247,902, 4–26–66, Cl. 166—42.

Van Poucke, Raphael K.: *See*—
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Van Praag, Marie. Electric hand drill attachment. 3,242,-773, 3–29–66, Cl. 77—55.

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Van Ranst, Cornelius W. Marine engine. 3,233,598, 2–8–66, Cl. 123—41.74.

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Van Scoy, Davis A., to Helmerich & Payne, Inc. Pipe line apparatus. 3,246,355, 4–19–66, Cl. 15—104.06.

Van Scoyoc, James N., and D. C. Reukauf, to United States of America, Air Force. Dew point indicator. 3,293,901, 12–27–66, Cl. 73—17.

Van Shwartz, Zolly C., to Don S. and D. S. Strauss. Aerosol spray device. 3,282,510, 11–1–66, Cl. 239—373.

Van Sickle, James D., and B. Symmonds, to Richardson Mfg. Co., Inc. Frame for agricultural implement having independently movable sections. 3,256,942, 6–21–66, Cl. 172—310.

Van Sickle, Robert S., to Zenith Radio Corp. Simplified extended stereo. 3,249,696, 5–3–66, Cl. 179—1.

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Van Steenburgh, Leon R., Jr. Apparatus for making ice members. 3,253,424, 5–31–66, Cl. 62—298.

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Vanstrum, Robert C., T. L. Harrington, and Chi F. Tung, to Minnesota Mining and Mfg. Co. Inorganic reflex-reflective aggregate. 3,274,888, 9–27–66, Cl. 88—82.

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Varian, Russell H., to Varian Associates. Gyromagnetic resonance methods and apparatus. 3,287,629, 11-22-66, Cl. 324—.5.

Varin, Maurice C., and H. E. Elliott. Time-controlled triggering apparatus responsive to the tautening of a flexible member. 3,283,406, 11-8-66, Cl. 30—180.

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Varityper Corp.: *See*—
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Muirhead, Raymond A., and Varjabedian. 3,263,798.

Varker, Richard D.: *See*—
Erb, Robert A., Thelen, and Varker. 3,289,754.

Varlet, Pierre P. W., to Societe Anonyme des Usines Chausson. Device for coating and impregnating flexible sheets. 3,235,437, 2-15-66, Cl. 156—551.

Varlet, Pierre P. W., to Societe Anonyme des Usines Chausson. Process for manufacturing reinforced polyester resin sheets. 3,250,640, 5-10-66, Cl. 117—62.2.

Varlet, Pierre P. W., to Societe Anonyme des Usines Chausson. Process for producing sheets of reinforced polyester resin. 3,271,182, 9-6-66, Cl. 117—47.

Varlet, Pierre P. W., to Societe Anonyme des Usines Chausson. Process for producing sheets of reinforced polyester resin. 3,271,183, 9-6-66, Cl. 117—47.

Varlet, Pierre P. W., to Union Lumber Co. Process for producing sheets of reinforced polyester resin. 3,271,184, 9-6-66, Cl. 117—65.2.

Varner, Alan C., J. E. Haegh, and W. A. Andersen, to Allis-Chalmers Mfg. Co. High frequency induction motor. 3,242,361, 3-22-66, Cl. 310—166.

Varner, Donald E., to Industrial Nucleonics Corp. Measurement of electric and magnetic fields by backscattering of nuclear radiation particles. 3,240,939, 3-15-66, Cl. 250—83.3.

Varnerin, Lawrence J., Jr.: *See*—
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Varney, Richard C. and C. A. Self-holding pipe strap. 3,243,-151. 3-29-66, Cl. 248—74.

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Varro, Stephen, Jr., and M. MacDuffie, to Waste Processes, Inc. Apparatus for converting waste material into fertilizer. 3,233,976, 2-8-66, Cl. 23—259.1.

Varron, Frederick A., to Interchemical Corp. Novel printing inks and method of printing with said inks. 3,266,914, 8-16-66, Cl. 106—29.

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Varsky, Jacobo, and H. Abramovicz. Printed sheets and spatula for reproducing drawings. 3,256,618, 6-21-66, Cl. 35—26.

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Arnold, Paul. 3,227,584.
Beste, Hermann, Koenig, Ryhiner, and Voss. 3,271,199.
Bronstert, Franz. 3,235,411.
Euler, Joachim, Ryhiner, Schmier, and Scholz. 3,257,-242.
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Jung, Margarete, and Kroeger. 3,235,513.
Jung, Margarete, and Kroeger. 3,253,884.
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Vartapetov, Michael S., L. S. Glikman, J. M. Kersheabaum, V. N. Spektorski, and M. I. Kornev, deceased (by A. S. and A. M. Kornev, heirs). Multi-stage axial flow high pressure pump. 3,267,869, 8-23-66, Cl. 103—93.

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Varvel, Harold E., to Master Consolidated, Inc. Fuel supply system. 3,291,184, 12-13-66, Cl. 158—36.3.

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Vasel, Alfred W. Detection device. 3,268,881, 8–23–66, Cl. 340—213.
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Donald, David K., Jaklevic, Lambe, and Vassell. 3,242,368.
Vasseur, Jean-Pierre, to CSF-Compagnie Generale de Telegraphie. Electrical generators of quasi random digits. 3,250,855, 5–10–66, Cl. 178—22.
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Vassil, Theo N., and P. Laakmann, to American District Telegraph Co. Method of detecting intruders and intruder detection apparatus of the capacity-type utilizing balanced asymmetric fields. 3,230,518, 1–18–66, Cl. 340—258.
Vassiliev, Avénir, J. Nicolas, and M. Hilderbrandt, to Compagnie Generale de Telegraphie Sans Fil. Nickel ferrite containing cobalt and manganese. 3,232,877, 2–1–66, Cl. 252—62.5.
Vassiliev, Avénir, J. Nicolas, and M. Hilderbrandt, to Compagnie Generale de Telegraphie Sans Fil. Ni-Mn-Al-Co-ferrite. 3,245,911, 4–12–66, Cl. 252—62.5.
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Vasu, George, and K. W. Hiller. Self-adaptive systems for automatic control of dynamic performance by controlling gain and phase margin. 3,250,897, 5–10–66, Cl. 235—151.
Vasu, George, and K. W. Hiller. Amplitude ratio computer and control system. 3,250,903, 5–10–66, Cl. 235—186.
Vasu, George, and K. W. Hiller. Phase-shift computer and control system. 3,250,904, 5–10–66, Cl. 235—186.
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Vaughn, Rudolph M. Method of manufacturing a nut for a two-piece blind fastener. 3,263,250, 8–2–66, Cl. 10—86.
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Veach, Allen M., and O. C. Yonts, to United States of America, Atomic Energy Commission. Ion-producing mechanism for calutrons. 3,272,983, 9–13–66, Cl. 250—41.9.
Veach, Ben G., to Rodeo Shop of Fort Worth, Inc. Method of manufacture of saddletrees. 3,284,988, 11–15–66, Cl. 54—44.

Veach, Carlos W. Miles per gallon meter. 3,246,508, 4–19–66, Cl. 73—114.
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Vecchiarelli, Francis, and C. E. Kopsco, to Alcan Aluminum Corp. Venetian blind structure. 3,269,453, 8–30–66, Cl. 160—176.
Vecchio, Martino, I. Canmarata, and L. Lodi, to Edison. Process for preparing fluorine containing organic compounds. 3,294,852, 12–27–66, Cl. 260—653.7.
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Vedvik, Andrew H., to Oscar Mayer & Co., Inc. Sausage end trimming machine. 3,272,247, 9–13–66, Cl. 146—81.
Vedvik, Andrew H., to Oscar Myer & Co., Inc. Transfer mechanism for small elongate articles. 3,275,165, 9–27–66, Cl. 214—1.
Vedvik, Andrew H., J. R. Jellings, and B. J. Sadeski, to Oscar Mayer & Co., Inc. Automatic food quality control means. 3,283,899, 11–8–66, Cl. 209—111.8.
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Velt, Theodore L., and R. W. Watson, to Garlock Inc. Packing material and method and apparatus utilizing said packing material. 3,271,308, 9–6–66, Cl. 252—13.
Veith, Werner, R. Liebscher, and E. Mayerhofer, to Siemens & Halske Aktiengesellschaft. Electrostatically focused high power traveling wave tube with spiral electron beam path. 3,277,332, 10–4–66, Cl. 315—3.5.
Veith, Werner, and K. Poebl, to Siemens & Halske Aktiengesellschaft. Delay line for traveling wave tubes especially for milli-meter-waves, constructed from a plurality of ladder shaped structures, bent to form a spiral line. 3,287,668, 11–22–66, Cl. 333—81.
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Veldhuis, Albert C., to Trylon Inc. Antenna insulator. 3,248,475, 4–26–66, Cl. 174—72.
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Veley, Ronald A. and I. P. Automobile seat belt guard. 3,244,452, 4–5–66, Cl. 297—385.
Velkas, George, to Embassy Metal Corp. Pocketed aerial projectile game apparatus. 3,237,946, 3–1–66, Cl. 273—95.
Vellrath, Werner A., to E. I. du Bont de Nemours and Co. Packaging apparatus. 3,268,055, 11–29–66, Cl. 100—4.
Velluz, Leon, and G. Muller, to Roussel-UCLAF, S.A. Methyl Reserpine and process of making same. 3,260,722, 7–12–66, Cl. 260—287.
Velluz, Leon, R. Jequier, M. Peterfalvi, and G. Muller, to Roussel-UCLAF, S.A. Method of tranquilization employing 10-chloro deserpidine. 3,285,815, 11–15–66, Cl. 167—65.
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Barnas, Eugene F., and Richter. 3,278,649.
Barnas, Eugene F., and Richter. 3,278,650.
Barnas, Eugene F., and Richter. 3,278,651.
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Veltman, Preston L., B. Grushkin, and H. H. Sisler, to W. R. Grace & Co. Phosphonitrilic polymers. 3,265,639, 8–9–66, Cl. 260—2.
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Veneman, Charles C. Pivotal and longitudinally movable attachment for a lift truck. 3,292,804, 12–20–66, Cl. 214—512.

Veneman, Dirk J., and H. F. Budzien, to Beloit Corp. Calender stack. 3,270,664, 9–6–66, Cl. 100—162.

Venemark, Emil T., deceased, by R. Venemark, legal representative, to Mo Och Domsjo Aktiebolag. Carbonation of pulping liquor with subsequent partial oxidation of stripped hydrogen sulfides. 3,293,113, 12–20–66, Cl. 162—30.

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Veney, Silvio C., and B. M. Lancaster, to Stonecutter Mills Corp. Method and apparatus for weaving novelty fabric. 3,291,160, 12–13–66, Cl. 139—224.

Venghiattis, Alexis A., to Dresser Industries, Inc. Projectile propelling apparatus for use in high temperature environment. 3,236,317, 2–22–66, Cl. 175—4.59.

Venghiattis, Alexis A., to Dresser Industries, Inc. Well perforator. 3,237,706, 3–1–66, Cl. 175—4.59.

Venghiattis, Alexis, to Dresser Industries, Inc. Method of manufacturing shaped charge explosive with powdered metal liner. 3,255,659, 6–14–66, Cl. 86—20.

Venison, Douglas M., and John J. Pite, to Matthew Hall & Co. Ltd. Household and other refuse storage and disposal apparatus. 3,274,622, 9–27–66, Cl. 4—287.

Venn, Douglas A., to United States of America, Navy. AFC for plural oscillators. 3,277,389, 10–4–66, Cl. 331—2.

Venn, Douglas A., and E. Toth, to United States of America, Navy. Electrical connector with solder resistant surfaces. 3,249,910, 5–3–66, Cl. 339—198.

Venn, Douglas A., and D. H. Jones, to United States of America, Navy. Digital clock system. 3,265,867, 8–9–66, Cl. 235—92.

Venn, Douglas A., and D. H. Jones, to United States of America, Navy. Digital control for disciplining oscillators. 3,287,655, 11–22–66, Cl. 331—14.

Venner, Michael, and R. Walters, to The Sperry Gyroscope Co. Ltd. Hydraulic positioning apparatus. 3,242,821, 3–29–66, Cl. 91—167.

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Verdol, Joseph A., to Sinclair Research, Inc. Alkoxyalkyl esters of carboxylic acids. 3,288,842, 11–29–66, Cl. 260—475.

Verdol, Joseph A., and B. W. Turnquest, to Sinclair Research, Inc. Isoprene production by pyrolysis of C alkyl ether. 3,270,081, 8–30–66, Cl. 260—681.

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Veres, Frank, to Owens-Illinois Glass Co. Luminescent ceramic material of cadmium, boron, and manganous oxides. 3,236,781, 2–22–66, Cl. 252—301.6.

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Verge, Jacques, and E. Spire, to Institut de Recherches de la Siderurgie Francaise and l'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Method and apparatus for purging molten metal of gaseous impurities. 3,291,596, 12–13–66, Cl. 75—49.

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Verger, Bernard, to CSF-Compagnie Generale de Telegraphie Sans Fil. Focusing systems with alternating magnets for traveling wave tubes. 3,271,616, 9–6–66, Cl. 315—3.5.

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Verik, Geza. Special cylindrical imprinting machine. 3,286,-623, 11–22–66, Cl. 101—37.

Verlik, Robert J., to Stafford Printers, Inc. Method of assembling textile printing apparatus. 3,284,890, 11–15–66, Cl. 29—434.

Verly, Maurice J. G., to Johns-Manville Corp., Societe Anonyme. Conveying device. 3,284,850, 11–15–66, Cl. 18—12.

Verma, Yash P., and Merlin G. Smith, to International Business Machines Corp. Shift register employing logic blocks arranged in closed loop and means for selectively shifting bit positions. 3,239,764, 3–8–66, Cl. 328—37.

Vermes, Geza, to The Franklin Institute. Fuel combustion system. 3,277,945, 10–11–66, Cl. 158—5.

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Vermont, George B., to E. I. du Pont de Nemours and Co. Freeze-thaw stable aminoester polymer. 3,261,799, 7–19–66, Cl. 260—29.6.

Vermont, Paul V., and P. J. Cueni, to United States of America, Army. Rotary damping device using lapped frustoconical surfaces. 3,272,289, 9–13–66, Cl. 188—90.

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Vernet, Charles, and B. M. Laine, to The British Petroleum Co. Ltd. Process for improving cloud point of petroleum gas oil by caustic washing thereof from hydrocarbon mixtures. 3,259,549, 7–5–66, Cl. 195—3.

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Vertnik, Leonard R., to General Mills, Inc. Epoxy resin composition comprising (1) partial reaction product of epoxy resin and guanamine and (2) unreacted epoxy resin. 3,271,350, 9–6–66, Cl. 260—32.8.

Vertnik, Leonard R., to General Mills, Inc. Polymeric tertiary amines. 3,281,470, 10–25–66, Cl. 260—583.

Vertnik, Leonard R., and H. Wittcoff. Polyamides from fatty dimer diamines and process of preparing same. 3,231,545, 1–25–66, Cl. 260—78.

Vertnik, Leonard R., and H. Wittcoff, to General Mills, Inc. Polyamide compositions from fatty dimer diamines. 3,242,141, 3–22–66, Cl. 260—78.

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Vescovi, Victor C. Method for producing boro-silica gels. 3,250,725, 5–10–66, Cl. 252—317.

Vesilind, Paul E., to Koppers Co., Inc. Process and apparatus for extruding a foamed plastic. 3,287,477, 11–22–66, Cl. 264—53.

Veskrna, Frank J. Selective-multiple-action slicer. 3,231,-973, 2–1–66, Cl. 30—305.

Vesper, Daniel M., to Phillips Petroleum Co. Fractional crystallization. 3,233,420, 2–8–66, Cl. 62—58.

Vesper, Daniel M., and G. A. Jackson, to Phillips Petroleum Co. Controlling crystallizer cooling responsive to temperature and freezing point of the material. 3,285,023, 11–15–66, Cl. 62—58.

Vesper, Richard M.: *See*—
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Vessey, Eric W., and R. W. Linton, to Philadelphia Quartz Co. Organic phosphates—stabilization of silica sols and dispersions or suspensions of silica and siliceous materials. 3,257,328, 6–21–66, Cl. 252—313.

Vessot, Robert F. C., to Varian Associates. Composite atom storage cell and cavity resonator structure for an atomic hydrogen maser. 3,263,183, 7–26–66, Cl. 331—94.

Vest, Ralvo: *See*—
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Cape, Arthur T., and Vestal. 3,281,264.

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Murton, Crawford B. 3,281,904.

Veteran, David R., to Hewlett-Packard Co. Apparatus for inserting electrical elements in a circuit. 3,228,099, 1–11–66, Cl. 29—203.

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Veth, George J., to United States of America, Navy. Optical soldering technique and apparatus. 3,267,249, 8–16–66, Cl. 219—85.

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Vetter, Karl, and F. Forster, to Gesellschaft fur Linde's Eismaschinen Aktiengesellschaft. Hydraulic force-multiplying servomechanism. 3,280,558, 10–25–66, Cl. 60—53.

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Viart, Fernand, to Ateliers de Constructions Electriques. Continuous induction welding process and apparatus. 3,230,337, 1–18–66, Cl. 219—9.5.

Viau, Donald R. Accessory for powered boom. 3,231,027, 1–25–66, Cl. 173—46.

Vibber, Alfred W. Twisting spindle balloon control. 3,274,-763, 9–27–66, Cl. 57—106.

Vibber, Alfred W. Apparatus for twisting and plying strands. 3,286,450, 11–22–66, Cl. 57—58.3.

Vibber, Alfred W. Apparatus for plying strands. 3,290,873, 12–13–66, Cl. 57—58.3.

Vibraseal Corp.: *See*—
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Vibrite Corp.: *See*—
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Glertz-Hedstrom, Stig. 3,255,682.

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Vicard, Pierre G. Sleeve filters. 3,273,317, 9–20–66, Cl. 55—103.

Vicard, Pierre G. and J. F., to L.A.B. Static liquid atomizer. 3,237,871, 3–1–66, Cl. 239—468.

Vice, Charles L., to General Instrument Corp. Method of making a transducer. 3,246,384, 4–19–66, Cl. 29—155.5.

Vice, Charles L. Method of making a magnetic recording head. 3,271,843, 9–13–66, Cl. 29—155.5.

Vicino, Lawrence. Anti clog device for lubricating system. 3,275,148, 9–27–66, Cl. 210—168.

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Eggington, Wilfred J., and Watts. 3,291,239.
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Williams, Geoffrey H., and Bennison. 3,258,080.
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Vickers, Valentine J., and W. A. Pearson, to The English Electric Co. Ltd. Dynamo-electric machines. 3,237,032, 2–22–66, Cl. 310—57.

Vickers, Victor E.: *See*—
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Costantini, Anthony R., and Di Angelus. 3,261,585.
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Costantini, Anthony R., and Di Angelus. 3,284,120.

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Vidali, Livio. Disc drying apparatus for meal or powders of various kinds. 3,287,823, 11–29–66, Cl. 34—173.

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Viehe, Frederick W., deceased (by S. C. Viehe, administratrix; G. J. Evans, executor of said S. C. Viehe, deceased, and administrator of the estate of said F. W. Viehe). Method of making memory core structures. 3,264,713, 8–9–66, Cl. 29—155.5.

Viehe, Heinz G., to Union Carbide Corp. Preparation and use of metal-halogeno-acetylides. 3,249,630, 5–3–66, Cl. 260—429.7.

Viehe, Heinz G., to Union Carbide Corp. Trihalomethylation of polarized double bonds. 3,274,227, 9–20–66, Cl. 260—465.

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Vielmo, Oskar, to Robert Bosch G.m.b.H. Braking installation for vehicles. 3,273,950, 9–20–66, Cl. 303—9.

Vielmo, Oskar, and R. Scholl, to Robert Bosch G.m.b.H. Main and auxiliary brake controls with inner suppression of the auxiliary control. 3,257,152, 6–21–66, Cl. 303—13.

Vielmo, Oskar, and J. Trui, to Robert Bosch G.m.b.H. Lubricating arrangement for a reciprocating compressor. 3,272,-092, 9–13–66, Cl. 92—157.

Vielmo, Oskar, and K. Muller, to Robert Bosch, G.m.b.H. Brake systems for automotive vehicles. 3,275,385, 9–27–66, Cl. 303—30.

Vielstich, Wolf E., G. Gruneberg, and H. Spengler, to Varta Aktiengesellschaft and Siemens-Schuckert Werke Aktiengesellschaft. Fuel cell and electrodes for the production of electrical energy by direct reaction of gaseous fuels with oxidizing gases. 3,253,956, 5–31–66, Cl. 136—86.

Viemeister, Read, to Vernay Laboratories, Inc. Display package. 3,278,011, 10–11–66, Cl. 206—45.14.

Vienna Beauty Products Co.: *See*—
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Vierling, Donald E. Phenothiazine suspensions. 3,279,987, 10–18–66, Cl. 167—53.

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Vieth, Richard D., J. A. Dooley, R. Bolstad, and E. J. Aronoff, to Interchemical Corp. Coated aluminum articles. 3,286,-904, 11–22–66, Cl. 229—4.5.

Vietmeier, Walter: *See*—
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Mindell, Marvin I. 3,272,967.

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Vigano, Giuseppe. Process and equipment for the continuous lyophilization of liquid substances. 3,257,731 6–28–66, Cl. 34—5.

Vigliante, Frank S., to Bell Telephone Laboratories, Inc. Telephone switching system incorporating selectively controlled ringback. 3,283,082, 11–1–66, Cl. 179—27.

Vigliante, Frank S., to Bell Telephone Laboratories, Inc. Detection of erroneous data processing transfers. 3,283,307, 11–1–66, Cl. 340—172.5.

Vigliante, Frank S., R. D. Williams, and E. L. Seley, to Bell Telephone Laboratories, Inc. Common control for remote telephone switch units. 3,268,669, 8–23–66, Cl. 179—27.

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Vigneault, Richard E., K. C. Finster, and J. V. Laudry, to The Dow Chemical Co. Method of mulching. 3,274,731, 9–27–66, Cl. 47—9.

Vignere, Leonard, Sr. Apparatus for the electric heating and vaporization of a liquid. 3,243,575, 3–29–66, Cl. 219—273.

Vigneron, Claude C. E., and R. Stouffiet, to Babcock & Wilcox, Ltd. Multiple fuel burner. 3,256,842, 6–21–66, Cl. 110—22.

Vigneron, Maurice G. E.: *See*—
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Vignerot, Marcel F. Proportioning apparatus. 3,272,133, 9–13–66, Cl. 103—11.

Vignolo, Robert R., M. K. Smith, and D. S. Bolley, to The Baker Castor Oil Co. Rheological agent for organo-base systems. 3,252,820, 5–24–66, Cl. 106—272.

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Vik, Albam M., ½ to A. J. Haider, and ½ to W. R. Hultstrand. Front wheel mounting for tractors. 3,243,197, 3–29–66, Cl. 280—80.

Viking Auto Products, Inc.: *See*—
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Viking Industries Inc.: *See*—
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Vilbajo, Jean, to Contigea Societe Anonyme. Light anti-tank weapons. 3,255,668, 6–14–66, Cl. 89—1.7.

Vilcans, Janis, to Laboratory for Electronics, Inc. Multidler parametric amplifier with lower frequency pump. 3,259,847, 7–5–66, Cl. 330—4.9.

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Viles, Prentiss S., to Esso Research and Engineering Co. Catalytic conversion of hydrocarbons. 3,249,529, 5–3–66, Cl. 208—120.

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Vill, John J., to W. R. Grace & Co. Lactam process. 3,267,-111, 8–16–66, Cl. 260—297.

Vill, John J., and S. P. Suskind, to W. R. Grace & Co. Polyurethane latex containing a water soluble alcohol. 3,264,134, 8–2–66, Cl. 117—63.

Villa, Alessandro. Device for limiting elongation of striplike flexible members formed by linked elastic elements, particularly bracelets, etc. 3,232,040, 2–1–66, Cl. 59—79.

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Broderick, Edward, and Villa. 3,282,960.

Villa Rodriguez, Pedro, and E. del Cueto de la Fuente. Leather tanning. 3,254,938, 6–7–66, Cl. 8—94.27.

Villalon, Severo L., Jr.: *See*—
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Villalon, Severo L., Jr., to Halliburton Co. Retrievable bridge plug. 3,244,233, 4–5–66, Cl. 166—123.

Villamos Automatika Intezet: *See*—
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Ganszky, Karoly, and Kondor. 3,249,843.

Villani, Frank J., to Schering Corp. 5-(2'-picolyl)-5-hydroxydibenzo [a,d] cyclohepta [1,4] diene and acid addition salts thereof. 3,232,950, 2–1–66, Cl. 260—297.

Villani, Frank J., to Schering Corp. Oximino ethers of phenylacetophenones. 3,247,243, 4–19–66, Cl. 260—501.

Villani, Frank J., to Schering Corp. Novel androstan oximino ethers and methods for their manufacture. 3,271,426, 9–6–66, Cl. 260—397.5.

Villani, Frank J., to Schering Corp. Novel estratriene oximino ethers and methods for their manufacture. 3,271,-428, 9–6–66, Cl. 260—397.5.

Villani, Frank J., to Schering Corp. Novel estratriene ethers and methods for their manufacture. 3,290,320, 12–6–66, Cl. 260—295.

Villarreal, Roque G. Power steering system for motor vehicles. 3,227,239, 1–4–66, Cl. 180—79.2.

Villars, Julio: *See*—
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Furrer, Ferdinand. 3,267,983.

Villaveces, James W. Tamper proof tablet dispenser. 3,289,-885, 12–6–66, Cl. 221—288.

Villavicencio, Eduardo J., M. S. Rojas, and S. Escobar, to Cia Industrial de Ayotha, S.A. Continuous digesting of cellulosic fibrous material at decreasing pressure with mechanical defibering therebetween. 3,238,088, 3–1–66, Cl. 162—19.

Villax, Joao. Tetracycline complexes and the use thereof in preparing and isolating tetracyclines. 3,280,188, 10–18–66, Cl. 260—559.

Ville, Jules R., to Sylvania Electric Products Inc. Stored charge information transfer circuits. 3,280,344, 10–18–66, Cl. 307—88.5.

Villeneuve, Camille. Air heating furnace. 3,260,836, 7–12–66, Cl. 219—365.

Villwock, Robert D., to Electro-Optical Systems, Inc. Logarithmic pulse counter. 3,280,309, 10–18–66, Cl. 235—92.

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Kocher, Erich J., and Long. 3,274,796.
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Vilter, Thomas R., to Hydraulic Unit Specialties Co. Lifting device. 3,260,377, 7–12–66, Cl. 214—1.

Vilutis, Leonard J. Package and method of making same. 3,276,669, 10–4–66, Cl. 229—51.

Vinal, Albert W., to International Business Machine Corp. Magnetic memory system. 3,231,871, 1–25–66, Cl. 340—174.

Vinal, Albert W., to International Business Machines Corp. Electrical switching means. 3,231,876, 1–25–66, Cl. 340—174.

Vinal, Albert W., and F. R. Palm, to International Business Machines Corp. Sectorized memory with parallel sector operation. 3,278,912, 10–11–66, Cl. 340—174.

Vincens, Rene. Retractable device for locking on rails suspension members of folders for vertical files. 3,249,111, 5–3–66, Cl. 129—16.7.

Vincent, Andrew W. Method and apparatus for comparing the operating characteristics of a relay to a standard relay using bridge techniques. 3,268,802, 8–23–66, Cl. 324—28.

Vincent, Andrew W., and D. E. Belles; said Belles, assor. to James Cunningham Son & Co., Inc. Electrical switching apparatus for high frequency signals. 3,250,860, 5–10–66, Cl. 179—78.

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Vincent, Clifford B., to Vincent & Vincent, Inc. Preservative treatment of electric cable. 3,252,834, 5–24–66, Cl. 117—231.

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Vincent, Gordon A.: *See*—
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Vincent, Harold L., to Dow Corning Corp. In situ hydrolysis of alkoxy silanes containing orthotitanate catalysts. 3,258,382, 6–28–66, Cl. 156—329.

Vincent, Harold L., to Dow Corning Corp. Organosilicon molding compositions containing orthotitanate catalysts. 3,262,830, 7–26–66, Cl. 156—329.

Vincent, Harry L., and N. R. Legge, to Shell Oil Co. Elastomer blending process. 3,293,197, 12–20–66, Cl. 260—2.5.

Vincent, James D., to Honeywell Inc. Illuminated push button switch relamping arrangement. 3,267,245, 8–16–66, Cl. 200—167.

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Vincent, Phillip, to Gen-Tec Corp. Novelty box with magnetic game board. 3,237,941, 3–1–66, Cl. 273—9.

Vincent, Renic P., to Pan American Petroleum Corp. Rotary well drilling device. 3,243,001, 3–29–66, Cl. 175—73.

Vincent, Renic P., to Pan American Petroleum Corp. Load-measuring device. 3,248,937, 5–3–66, Cl. 73—141.

Vincent, Renic P., to Pan American Petroleum Corp. Well pump. 3,272,144, 9–13–66, Cl. 103—204.

Vincent, Renic P., to Pan American Petroleum Corp. Underwater drilling. 3,277,969, 10–11–66, Cl. 175—5.

Vincent, Renic P., to Pan American Petroleum Corp. Fluid operated valve device. 3,294,174, 12–27–66, Cl. 166—224.

Vincent, Renic P., and A. W. Garst, to Pan American Petroleum Corp. Fluid actuated pump. 3,253,549, 5–31–66, Cl. 103—44.

Vincent, Thomas C., to General Electric Co. Luminescent niobates. 3,242,096, 3–22–66, Cl. 252—301.6.

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Vincent, Clifford B. 3,291,896.

Vincenty, Carlos, J. T. Lassalle, and S. Goodman, to The People of Puerto Rico. Process for producing levulinic acid. 3,267,136, 8–16–66, Cl. 260—528.

Vinciguerra, Amelio. Winding machines used in the manufacture of strings for musical instruments. 3,262,256, 7–26–66, Cl. 57—11.

Vindale Corp.: *See*—
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Vines, John C.: *See*—
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Vinje, Anders B. Method for attaching wall panels. 3,230,684, 1–25–66, Cl. 52—746.

Vinson, Neal L. Dynamic pressure generator for calibration. 3,237,443, 3–1–66, Cl. 73—4.

Vinson, Neal L. Muzzle flash suppressor. 3,272,074, 9–13–66, Cl. 89—14.

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Vinther, Lawrence W., and D. L. Miller. Trailer jack. 3,281,160, 10–25–66, Cl. 280—150.

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Vinton, William H., to E. I. du Pont de Nemours and Co. Substantive, water-soluble methine dyes. 3,257,393, 6–21–66, Cl. 260—240.9.

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Von Heidenstam, Rik J. Method of erecting a multi-story building structure. 3,254,466, 6–7–66, Cl. 52—745.

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Von Hofe, George W., to New Jersey Machine Corp. Manufacture and use of labels for bottles, containers, and the like. 3,253,544, 5–31–66, Cl. 101—426.

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Von Lillin, Heinrich, to E. I. du Pont de Nemours and Co. Photographic films and process of making same. 3,284,204, 11–8–66, Cl. 96—87.

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Von Meister, Frederick W., to Azoplate Corp. Diazo presensitized lithographic printing plate comprising intermediate layer of hydrophillic metal ferrocyanide and process for making. 3,259,496, 7–5–66, Cl. 96—33.

Von Mossin, Oskar. Liquid contact arrangement between relatively rotatable conductors. 3,295,091, 12–27–66, Cl. 339—5.

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Von Rudgisch, Edgar, and E. Cziudaj, deceased (by I. Cziudaj, executrix and legal representative). Apparatus for storing bolts of cloth as well as paying out or spreading, measuring and cutting lengths therefrom. 3,260,143, 7–12–66, Cl. 83—86.

Von Sanden, Dieter, to Siemens & Halske Aktiengesellschaft. Circuit arrangement constructed in the manner of a coupling multiple for the connection of time multiplex telephone systems. 3,251,943, 5–17–66, Cl. 179—15.

Von Sanden, Dieter, to Siemens & Halske Aktiengesellschaft. Circuit arrangement constructed in the manner of a coupling multiplex for the connection of time division multiplex telephone systems. 3,251,944, 5–17–66, Cl. 179—15.

Von Sanden, Dieter, H. Suckfüll, and A. Darre, to Siemens & Halske Aktiengesellschaft. Circuit arrangement for ascertaining operating conditions of subscriber stations of a time multiplex communication system. 3,271,521, 9–6–66, Cl. 179—15.
Von Sanden, Dieter, and M. Schlichte, to Siemens & Halske Aktiengesellschaft. Time-division multiplex telephone system. 3,280,262, 10–18–66, Cl. 179—15.
Von Sanden, Dieter, M. Schlichte, and H. Doerfler, to Siemens & Halske Aktiengesellschaft. Switching arrangement for a time-division multiplex telephone system. 3,280,263, 10–18–66, Cl. 179—15.
Von Sanden, Dieter, and M. Schlichte, to Siemens & Halske Aktiengesellschaft. Time multiplex telephone system. 3,280,264, 10–18–66, Cl. 179—15.
Von Sanden, Dieter, and M. Schlichte, to Siemens & Halske Aktiengesellschaft. Switching arrangement for a multiplex telephone system. 3,280,265, 10–18–66, Cl. 179—15.
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Von Zelewsky, Ottomar, and W. Burkert, to Georg Fischer, Aktiengesellschaft. Plasticizing and conveying device. 3,226,766, 1–4–66, Cl. 18—12.
Von Zelewsky, Ottomar, and W. Burkert, to Georg Fischer, Aktiengesellschaft. Closing arrangement especially for nozzles of injection molding machines. 3,226,768, 1–4–66, Cl. 18—30.
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Wagner, Hans A., to G. D. Searle & Co. Carboxylic acid [2-(2-amino-4-azido-6-phenyl-5-pyrimidinyl) - 1 - methylethylidene] hydrazides and intermediate. 3,281,420, 10–25–66, Cl. 260—256.4.

Wagner, Harold E. Fluid-operated cone brake. 3,268,035, 8–23–66, Cl. 188—71.

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Wagner, Joseph R., to Huyck Corp. Fabric. 3,279,504, 10–18–66, Cl. 139—419.

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Walker, Brooks, and F. V. Hall; said Hall assor. to said Walker. Automatic treatment of selected portions of exhaust gases. 3,282,046, 11–1–66, Cl. 60—29.

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McKenzie, William G. 3,259,070.
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Messenger, Allen F. 3,265,246.
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Walker, James D. 3,242,072.
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Walker, James D., and Nelson. 3,255,887.

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Walker, Robert O., to The Cincinnati Milling Machine Co. Machine tool quill clamping mechanism. 3,259,020, 7–5–66, Cl. 90—11.

Walker, Ronald, to BSR Ltd. Record players. 3,228,697, 1–11–66, Cl. 274—9.

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Walker, Ronald, to BSR Ltd. Magnetic tape recorders. 3,279,714, 10–18–66, Cl. 242—55.12.

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Walker, Stanley, to Girling Ltd. Disc brakes. 3,239,033, 3–8–66, Cl. 188—72.

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Walker, William D., to E. I. du Pont de Nemours and Co. Finish applicator for a continuous filament yarn. 3,244,142, 4–5–66, Cl. 118—123.

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Walkow, Arnold M., to Texas Instruments Inc. Carrying fixture for miniature circuit components. 3,267,335, 8–16–66, Cl. 317—101.

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Walkup, Lewis E., to Xerox Corp. Read-out and transmission of electrostatic information presentations. 3,255,308, 6–7–66, Cl. 178—6.6.

Walkup, Lewis E., and J. F. Byrne, to Xerox Corp. Image method for electrostatic retention in photoconductive layers. 3,237,197, 2–22–66, Cl. 346—1.

Wall, Abner D. Motion and power-transmitting belts. 3,245,276, 4–12–66, Cl. 74—234.

Wall, Alan J., and A. Palmer, to Clayton Dewandre Co. Ltd. Heat transmitting tubes having helical fin means. 3,288,209, 11–29–66, Cl. 165—184.

Wall, Bobby M., to Thiokol Chemical Corp. Method of making a combustion-inhibited solid propellant grain. 3,250,829, 5–10–66, Cl. 264—3.

Wall, Byron T. Disposal system for decomposable organic wastes. 3,260,371, 7–12–66, Cl. 210—533.

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Wallace, Archie C. Time controlled locating alarm system. 3,270,493, 9–6–66, Cl. 58—152.

Wallace, Arthur B., to JFD Electronics Corp. Laminated rotor structure for variable capacitors. 3,244,951, 4–5–66, Cl. 317—249.

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Wallace, Bert H. Adjustable single-tape strap. 3,267,490, 8-23-66, Cl. 2—323.
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Wallace, Bill A. Saddle rack. 3,288,417, 11-29-66, Cl. 248—317.
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Wallace, David A. Ambulant irrigating device. 3,259,319, 7-5-66, Cl. 239—177.
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Wallace, Frank J. Compound engines for motive power. 3,238,713, 3-8-66, Cl. 60—13.
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Wallace, Frederick J., to American Cystoscope Makers, Inc. Endoscope. 3,261,351, 7-19-66, Cl. 128—6.
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Wallace, Frederick J., to American Cystoscope Makers, Inc. Endoscope with rigid fibersco means illuminating. 3,269,-387, 8-30-66, Cl. 128—6.
Wallace, Frederick J., to American Cystoscope Makers, Inc. Surgical headlight and light source. 3,285,242, 11-15-66, Cl. 128—23.
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Wallace, George A. Sealed beam headlamp with plural optical devices. 3,259,776, 7-5-66. Cl. 313—111.
Wallace, George A., and A. T. Browne, to Globe Hoist Co. Extendable power-operated ramp. 3,235,895, 2-22-66, Cl. 14—71.
Wallace, Hampton K., and A. B. Combination ash and beverage tray for card tables. 3,270,694, 9-6-66, Cl. 108—26.
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Montgomery, John R., Wallace, and Soltis. 3,254,347.
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Wallace, John H., to Emerson Electric Co. System for controlling the speed or torque of one or more induction motors. 3,250,974, 5-10-66, Cl. 318—197.
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Larson, Charles R., and Wallace. 3,282,405.
Wallace, John M., to United States of America, Army. Dual purpose extractor assembly for machine guns. 3,247,610, 4-26-66, Cl. 42—25.
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Wallace, John W., to The Brad-Mar Corp. Cloth bolt holder and rack. 3,272,345, 9-13-66, Cl. 211—44.
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Wallace, La Verne F., to BLH Electronics, Inc. Weight measuring and center of gravity locating apparatus. 3,290,-925, 12-13-66, Cl. 73—65.
Wallace, Leonard J., to International Business Machines Corp. Photosensitive double document detector. 3,278,-754, 10-11-66, Cl. 250—223.
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Maggiola, Allison. 3,280,183.
Mehr, Louis, Deegan, and Sarli. 3,227,753.
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Wallach, Mark K., to Wolverine Shoe & Tanning Corp. Ski band. 3,279,008, 10-18-66, Cl. 24—16.
Wallberg, Karl E., to Kewacos Forsaljnings Aktiebolag. Device for fastening working tools on lifting levers of loading trucks. 3,269,570, 8-30-66, Cl. 214—131.
Wallbom, Jonas, to Thugus Mek. Verkstad, Aktiebolaget. Rapid lathing steel for groove lathing. 3,238,607, 3-8-66, Cl. 29—96.
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Walle, Leonard I., to Galland-Henning Mfg. Co. Air circuit control system. 3,254,672, 6-7-66, Cl. 137—596.18.
Wallen, Alphonse R., to United States Gypsum Co. Coating compositions comprising latex paint, hydrocarbon and plastic-surfaced particles. 3,264,238, 8-2-66, Cl. 260—23.7.
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Goldman, Max, and Wallenfels. 3,231,643.
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Waller, Arnoud, to Albatros Superfosaatfabrieken N.V. Weighing machine. 3,263,760, 8-2-66, Cl. 177—60.
Waller, Arthur, and O. Isensee, Jr., to Bull Dog Lock Co. Latch construction. 3,228,717, 1-11-66, Cl. 292—70.
Waller, John G., to The British Oxygen Co. Ltd. Method and apparatus for storing ozone/oxygen mixtures. 3,232,065, 2-1-66, Cl. 62—45.
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Wallerstein, Lawrence B., and W. Bachman. Form holding ribbon construction. 3,256,129, 6-14-66, Cl. 161—10.
Wallerstein, Lawrence B., and W. Bachman. Arrangement for protecting flowers and wrapping the same. 3,271,922, 9-13-66, Cl. 53—3.
Wallerstein, Leon, Jr., to Lord Mfg. Co. Vibration suppressor. 3,236,334, 2-22-66, Cl. 188—1.
Wallerstein, Leon, Jr., to Lord Mfg. Co. Rectilinear mounting system. 3,244,393, 4-5-66 Cl. 248—358.
Wallerstein, Leon, Jr., to Lord Corp. Statically fixed isolation system. 3,288,419, 11-29-66, Cl. 248—358.
Walles, Wilhelm E., to The Dow Chemical Corp. Flavor complexes comprising morpholin-3-ones and 4-hydroxy-3-alkoxybenzaldehyde. 3,245,951, 4-12-66, Cl. 260—64.
Walles, Wilhelm E., and S. S. Leff, to The Dow Chemical Co. Process for preparation of 2-hydroxyalkyl imidazolidinones. 3,248,390, 4-26-66, Cl. 260—309.7.
Walles, Wilhelm E., W. F. Tousignant, F. E. Romesberg, and A. E. Emmert, to The Dow Chemical Co. Process for enhancing the dye-receptivity of continuous, coherent articles and products therefrom. 3,255,275, 6-7-66, Cl. 260—895.
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Wallhausen, Kenneth H.: *See*—
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Walli, Ernst. Device for the stepwise elevation of at least one structural member or the like. 3,273,859, 9-20-66, Cl. 254—109.
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Wallin, Sven, to Aktiebolaget Svenska Flaktfabriken. Apparatus for stabilized transport of web- or sheetlike materials. 3,272,415, 9-13-66, Cl. 226—97.
Wallin, Sven, and L. G. Bergh, to Svenska Flaktfabriken, Aktiebolaget. Method and apparatus for stabilizing an airborne web. 3,231,165, 1-25-66, Cl. 226—97.
Wallin, Sven W., to Aktiebolaget Svenska Flaktfabriken. Apparatus for varying the air quantity in air distribution chambers. 3,254,830, 6-7-66, Cl. 230—44.
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Rutishauser, Donald E., and Walling. 3,230,733.
Walling, John A., and H. M. Donegan, to Westinghouse Electric Corp. Movable electrical insulating bushing. 3,258,-524, 6-28-66, Cl. 174—161.
Wallingford, Frank R.: *See*—
Pittman, Jerry R., Wallingford, Moore, and Hackelton. 3,233,421.
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Schenk, Walter, Wallis, and Vogel. 3,259,651.
Wallis, David R.: *See*—
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Wallis, Kenneth B., to Associated Engineering Ltd. Fuel injection systems for internal combustion engines. 3,240,-191, 3-15-66, Cl. 123—32.
Wallis, Marvin E. Article enclosing apparatus. 3,284,983, 11-15-66, Cl. 53—140.
Wallmark, John T., to Radio Corp. of America. Nonlinear tunnel resistor and method of manufacture. 3,242,389, 3-22-66, Cl. 317—234.
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Walter, Carlton H., and R. C. Rudduck. Surface wave Luneberg lens antenna system. 3,255,454, 6–7–66, Cl. 343—754.

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Leonard, John E., and Watanabe. 3,278,408.
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Watanabe, Hiroshi, to Nippon Electric Co. Ltd. Telemetering capsule for physiological measurements. 3,231,834, 1–25–66, Cl. 331—117.
Watanabe, Hiroshi, S. Katagiri, and S. Ozasa, to Kabushiki Kaisha Hitachi Seisakusho. Detector for X-ray spectroscopes with means to detect different wavelengths of X-radiation. 3,242,335, 3–22–66, Cl. 250—51.5.
Watanabe, Hiroshi, and R. Uyeda, to Hitachi, Ltd. Equal energy-selection in an electron microscope using electron optics. 3,250,432, 6–14–66, Cl. 250—49.5.
Watanabe, Hiroshi, and R. Uyeda, to Hitachi, Ltd. Energy-selecting electron microscope using electron optics. 3,256,-433, 6–14–66, Cl. 250—49.5.
Watanabe, Hiroshi, H. Matsunaga, and M. Inoue, to Toyo Koatsu Industries, Inc. Process for coagulating aqueous suspensions and composition for use therein. 3,285,849, 11–15–66, Cl. 210—52.
Watanabe, Hiroshi, N. Tonami, T. Watanabe, and M. Nanba, to Toyo Koatsu Industries Inc. Process of curing unsaturated polyester resin. 3,288,735, 11–29–66, Cl. 260—17.4.
Watanabe, Hisashi: *See*—
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Watanabe, Hitoshi, to Nippon Electric Co., Ltd. Frequency division multiplex communication system. 3,259,693, 7–5–66, Cl. 179—15.
Watanabe, Isuneyasu: *See*—
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Watanabe, Jun, and A. Nakashima, to Matsushita Electric Industrial Co., Ltd. Sealed alkaline storage battery. 3,230,112, 1–18–66, Cl. 136—14.
Watanabe, Jun, S. Arakawa, and K. Kyo. Polyamides stabilized against discoloration from carbon disulfide by the addition of copper stearate and thioacetoamides. 3,280,-052, 10–18–66, Cl. 260—18.
Watanabe, Junichi: *See*—
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Watanabe, Katsuo: *See*—
Urano, Yasuo, and Watanabe. 3,262,753.
Watanabe, Kiyoshi, to Kanegafuchi Chemical Industry Co. Ltd. Method of producing ribonucleic acid. 3,272,714, 9–13–66, Cl. 195—28.
Watanabe, Mamoru. Servo actuated disc braking system. 3,283,860, 11–8–66, Cl. 188—152.
Watanabe, Masaaki: *See*—
Tsunoda, Yoshio, Seko, Fuzita, and Watanabe. 3,284,-335.
Watanabe, Masaru, S. Suzuki, and Y. Nagahama, to Nihon Denshi Kabushiki Kaisha. Specimen holding device with means to tilt, rotate and shift the specimen. 3,240,934, 3–15–66, Cl. 250—49.5.
Watanabe, Nobuatsu: *See*—
Yoshizawa, Shiro, Watanabe, Morimoto, and Yamada. 3,265,490.
Watanabe, Sadakazu: *See*—
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Watanabe, Sadayoshi. Process for the purification of a pulp by oxidation with oxygen. 3,251,730, 5–17–66, Cl. 162—56.
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Goss, Norman P., Watanabe, Kumai, Tsuda, and Matsuoka. 3,258,328.
Watanabe, Shunso F., to Kelsey-Hayes Co. Rocket nozzle construction. 3,253,785, 5–31–66, Cl. 239—265.15.
Watanabe, Shunso F., and R. D. Daily, to Kelsey-Hayes Co. Wheel and method of making the same. 3,253,862, 5–31–66, Cl. 301—65.
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Watanabe, Takeshi, M. Namba, and W. Makino, to Toyo Koatsu Industries, Inc. Resin compositions for producing cellular masses and process for producing a cellular product. 3,260,-688, 7–12–66, Cl. 260—2.5.
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Watanabe, Yasushi and Yoshikazu, to Kabushiki Kaisha Hitachi Seisakusho. High-voltage rectifying apparatus for television receivers. 3,229,149, 1–11–66, Cl. 315—22.
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Watanabe, Yasushi and Yoshikazu. 3,229,149.
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Kramer, Roger G., and Waterman. 3,231,879.
Waterman, Jacques A., and G. E. La Heij, to Shell Oil Co. Treating a rubber latex with a liquid hydrocarbon and oxygen containing compound. 3,236,800, 2–22–66, Cl. 260—29.7.
Waterman, John L., to United States Rubber Co. Lithographic printer's blanket and method of making same. 3,276,947, 10–4–66, Cl. 161—144.
Waterman, Logan C., to Petrolite Corp. Electric treater. 3,232,860, 2–1–66, Cl. 204—306.
Waterman, Neil S. Container closure. 3,262,606, 7–26–66, Cl. 222—153.
Waterman, Raymond R., K. M. Deal, and P. A. Whitman, to R. T. Vanderbilt Co. Inc. Open-cell polyvinyl chloride foam. 3,288,729, 11–29–66, Cl. 260—2.5.
Waterman, Russell R., 10% to V. D. Beehler. Hot water flood system for oil wells. 3,262,500, 7–26–66, Cl. 166—52.
Waterman, Russell R., 10% to V. D. Beehler. System and apparatus for pumping oil wells. 3,273,644, 9–20–66, Cl. 166—62.
Watermaster Ltd.: *See*—
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Thomas, David F. 3,241,628.
Thomas, David F. 3,244,107.
Thomas, David F., and Ratburn. 3,289,695.
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Waters, James L. 3,266,780.
Waters, Derek G.: *See*—
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Waine, Peter, and Waters. 3,240,681.
Waters, James D., to Otis Engineering Corp. Gas lift valves. 3,270,765, 9–6–66, Cl. 137—155.
Waters, James L., to Waters Associates Inc. Liquid blending system. 3,266,780, 8–16–66, Cl. 259—4.
Waters, James L., to General Electric Co. Centrifugal switching mechanism for dynamoelectric machines. 3,271,602, 9–6–66, Cl. 310—68.
Waters, Joseph J., to Crown Cork & Seal Co., Inc. Removable plastisol liners for crowns. 3,233,770, 2–8–66, Cl. 215—40.
Waters, Joseph J., to Crown Cork & Seal Co., Inc. Container. 3,250,418, 5–10–66, Cl. 215—46.
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Cherry, Jesse T., Jr., and Waters. 3,286,783.
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Waters, Oscar B., Jr., ½ to W. R. Grace & Co. and ½ to United States of America, Interior. Chemical treatment and distillation of sea water. 3,262,865, 7–26–66, Cl. 203—7.
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Waters, Robert S., to Westinghouse Electric Corp. Vacuum cleaner with storage compartment. 3,253,294, 5–31–66, Cl. 15—323.
Waters, Robert S., to Westinghouse Electric Corp. Brush roll speed indicator. 3,253,295, 5–31–66, Cl. 15—339.
Waters, Robert S., to Westinghouse Electric Corp. Coupling. 3,271,052, 9–6–66, Cl. 285—7.
Waters, Robert S., to Westinghouse Electric Corp. Vacuum cleaner. 3,277,512, 10–11–66, Cl. 15—339.
Waters, Robert S., to Westinghouse Electric Corp. Reversible fan apparatus. 3,279,684, 10–18–66, Cl. 230—259.
Waters, Robert S., to Westinghouse Electric Corp. Knob. 3,283,609, 11–8–66, Cl. 74—545.
Waters, Robert S., to Westinghouse Electric Corp. Tool holder for a vacuum cleaner. 3,284,834, 11–15–66, Cl. 15—257.
Waters, Robert S., to Westinghouse Electric Corp. Vacuum cleaner. 3,286,296, 11–22–66, Cl. 15—422.
Waters, Robert S., to Westinghouse Electric Corp. Mounting mechanism. 3,287,553, 11–22–66, Cl. 240—52.
Waters, Robert S., and J. W. Gilliom, to Westinghouse Electric Corp. Wheel and axle assembly for household appliances. 3,248,154, 4–26–66, Cl. 301—1.
Waters, Robert S., and J. W. Gilliom, to Westinghouse Electric Corp. Vacuum cleaner. 3,262,147, 7–26–66, Cl. 15—354.
Waters, Robert S., and J. W. Gilliom, to Westinghouse Electric Corp. Suction cleaner bumper. 3,270,365, 9–6–66, Cl. 15—325.
Waters, Robert S., and J. W. Gilliom, to Westinghouse Electric Corp. Floor care appliance. 3,284,837, 11–15–66, Cl. 15—410.
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Waters, Wilbur W. Automatically inflatable life preserver. 3,242,514, 3–29–66, Cl. 9—318.
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Waterton, Frank, to Associated Electrical Industries Ltd. Vacuum switch having improved electrode tip. 3,281,563, 10–25–66, Cl. 200—166.
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Wathen, William A., to Massey-Ferguson Inc. Mower construction. 3,234,718, 2–15–66, Cl. 56—25.
Wathen, William A., F. W. Reuter, and C. M. Iskenderian, to Massey-Ferguson Inc. Baling machine. 3,272,117, 9–13–66, Cl. 100—188.
Watkin, Theodore: *See*—
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Sisk, Richard M., Shapiro, Vesciglio, and Watkin. 3,228,532.
Sisk, Richard M., Vesciglio, Shapiro, and Watkin. 3,257,-156.
Watkin, Theodore, and J. M. Shapiro, to Manson Laboratories, Inc. Antenna base apparatus with hydrodynamically actuated locking means. 3,229,295, 1–11–66, Cl. 343—709.
Watkins, Alfred E.: *See*—
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Watkins, Bruce J., to Shell Oil Co. Method and apparatus for drilling underwater wells. 3,265,130, 8–9–66, Cl. 166—46.
Watkins, Bruce J., to Regan Forge & Engineering Co. Metal seal. 3,288,472, 11–29–66, Cl. 277—11.
Watkins, Bruce J., to Regan Forge & Engineering Co. Remotely operable fluid flow control valve. 3,294,112, 12–27–66, Cl. 137—494.
Watkins, Bruce J., and G. D. Johnson, to Shell Oil Co. Remotely connecting flowlines. 3,233,314, 2–8–66, Cl. 29—237.
Watkins, Bruce J., and G. D. Johnson, to Shell Oil Co. Remotely connecting flowlines. 3,260,270, 7–12–66, Cl. 137—15.
Watkins, Cecil H.: *See*—
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Watkins, Charles H., to Universal Oil Products Co. Hydrocarbon hydrocracking process in several stages to obtain hydrocarbons of reduced nitrogen containing impurities. 3,254,018, 5–31–66, Cl. 208—59.
Watkins, David H., and E. J. Klink, to Sundstrand Corp. Heart pump augmentation system and apparatus. 3,266,-487, 8–16–66, Cl. 128—1.

Watkins, Douglas M., to The British Tap & Die Co. Fluteless taps. 3,226,743, 1–4–66, Cl. 10—152.

Watkins, Hugh A.: *See*—
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Watkins, Joel D., G. D. Edwards, and J. G. Willard, to Jefferson Chemical Co., Inc. Non-corrosive antifreeze composition. 3,231,502, 1–25–66, Cl. 252—75.

Watkins, John A., to The Patent Button Co. Binary code converter. 3,289,199, 11–29–66, Cl. 340—347.

Watkins, John A., and E. R. Lang, to The Patent Button Co. Electromagnetic switch selector. 3,289,131, 11–29–66, Cl. 335—162.

Watkins, John E., to Central Refrigeration Systems, Inc. Temperature and humidity control means for refrigerating system. 3,251,196, 5–17–66, Cl. 62—158.

Watkins, Kenneth M.: *See*—
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Watkins, Lewis W., to United States Steel Corp. Bin-level switch. 3,290,462, 12–6–66, Cl. 200—61.21.

Watkins, Nathaniel L., Jr., and R. M. McCurdy, to Minnesota Mining and Mfg. Co. Vinyl plastisols having polycarboxyl containing polyesters as plasticizers. 3,281,498, 10–25–66, Cl. 260—873.

Watkins, Philip L. Cable anchorage devices. 3,239,173, 3–8–66. Cl. 248—63.

Watkins, Ray. Railroad switch heaters and process of operation thereof. 3,233,097, 2–1–66, Cl. 246—428.

Watkins, Richard A., to Westinghouse Electric Corp. Cathode heater having an aluminum oxide and tungsten coating. 3,246,197, 4–12–66, Cl. 313—345.

Watkins, Sammy N.: *See*—
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Watrous, Benjamin A., 5% each to J. A. Ballard, R. A. Horning, P. M. Dunlap, R. F. Rooney, H. S. Weston, and R. S. Winokur. Educational toy book. 3,289,333, 12–6–66, Cl. 40—1.

Watrous, Donald L., to General Electric Co. Control rectifiers having timing means energized in response to load effecting commutation. 3,233,116, 2–1–66, Cl. 307—88.5.

Watrous, Donald L., to General Electric Co. Overload detection means. 3,260,916, 7–12–66, Cl. 321—13.

Watrous, Howard N., and C. R. Hood, to The Procter & Gamble Co. Continuous dough cutting and packaging. 3,273,300, 9–20–66, Cl. 53—23.

Watson, Albert R., and G. W. Austin, to Foseco International Ltd. Treatment of molten iron. 3,231,368, 1–25–66, Cl. 75—58.

Watson, Arthur. Hernial supporter. 3,259,125, 7–5–66, Cl. 128—96.

Watson, Benjamin H., to Swimline, Inc. Pool-cleaning device. 3,229,315, 1–18–66, Cl. 15—1.7.

Watson, Billy R.: *See*—
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Watson, Cedric H. Pipe joint structure incorporating electrical conductivity means. 3,244,797, 4–5–66, Cl. 174—84.

Watson, Charles V., to Reeves Brothers, Inc. Metering diaphragms. 3,289,550, 12–6–66, Cl. 92—99.

Watson, Charles W., Jr.: *See*—
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Phillips, Wilton, Jr., and Watson. 3,282,243.

Watson, Cornelius B., Jr. Tube squeezer and nozzle therefor. 3,252,624, 5–24–66, Cl. 222—96.

Watson, Cornelius B., Jr. Collapsible tube squeezer. 3,257,037. 6–21–66, Cl. 222—96.

Watson, David R., K. G. Hrishikesan, and J. S. Deutscher, to Reynolds Metals Co. Method of molding alumina. 3,274,311, 9–20–66, Cl. 264—63.

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Watson, Edward J., Jr., to The Norwich Pharmacal Co. Lower alkyl esters of 6,7-di(lower)alkoxy-4-hydroxy-3-quinolinecarboxylic acid. 3,267,106, 8–16–66, Cl. 260—287.

Watson, Edward J., Jr., to The Norwick Pharmacal Co. Esters of 6,7 - di(lower)alkoxy - 4-hydroxy-3-quinolinecarboxylic acid. 3,290,315, 12–6–66, Cl. 260—287.

Watson, Edwin A., to Pittsburgh Plate Glass Co. Coating composition containing polyepoxide, phenolic, acrylic and polyester resins. 3,245,925, 4–12–66, Cl. 260—20.

Watson, Ellwood R., H. W. Heidsman, and B. Keilin, ½ to Aerojet-General Corp., and ½ to United States of America, Interior. Stabilization of desalination membranes. 3,250,701, 5–10–66, Cl. 210—22.

Watson, Emmett S., and M. J. O'Neill, to The Perkin-Elmer Corp. Differential microcalorimeter. 3,263,484, 8–2–66, Cl. 73—15.

Watson, Eric: *See*—
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Pounder, John O., and Watson. 3,232,840.

Watson, Eric I.: *See*—
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Watson, Forrest J.: *See*—
Fuller, Glenn, and Watson. 3,232,882.

Watson, Francis N. Golf tee and identification device combination. 3,254,890, 6–7–66, Cl. 273—33.

Watson, Frank O.: *See*—
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Watson, Frederick D., A. D. Franse, and R. L. Pettefer, to Petrolite Corp. Process of sweetening distillates. 3,247,089, 4–19–66, Cl. 208—198.

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Watson, George A., to Celanese Corp. of America. Cylindrical banding jets. 3,286,307, 11–22–66, Cl. 19—66.

Watson, Gordon M. Layout jig for stair stringers. 3,250,014, 5–10–66, Cl. 33—192.

Watson, Harold J.: *See*—
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Watson, Henry, and J. H. Daltry, to The English Electric Co. Ltd. Cooling systems. 3,251,408, 5–17–66, Cl. 165—71.

Watson, Ian C., E. G. Preston, and D. T. N. Williamson, to The Molins Organisation Ltd. Holders for tools or the like. 3,240,503, 3–15–66, Cl. 279—4.

Watson, John C. Kiln shut-off device. 3,249,674, 5–3–66, Cl. 13—24.

Watson, John D.: *See*—
Cleff, Peter H., Watson, and Anderson. 3,232,642.

Watson, John D., Sr.: *See*—
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Watson, John D., Sr., to The Dow Chemical Co. Catalytic preparation of fluoroethers. 3,291,844, 12–13–66, Cl. 260—614.

Watson, John E., to United States of America, National Aeronautics and Space Administration. High temperature spark plug. 3,229,139, 1–11–66, Cl. 313—11.5.

Watson, John P. Apparatus for releasing a water well pipe and pump system. 3,292,555, 12–20–66, Cl. 103—221.

Watson, John R. Light reflector and shield combination. 3,270,192, 8–30–66, Cl. 240—3.1.

Watson, John W.: *See*—
Ford, Peter, Watson, and Ottewell. 3,287,767.
Ward, Albert N., Watson, Foster, and Ford. 3,265,365.

Watson, Lee M., to The Singer Co. Prefabricated flexible heating structure. 3,235,712, 2–15–66, Cl. 219—549.

Watson, Marshall T., and W. D. Kennedy, to Eastman Kodak Co. Magnetic recording tape supported on terephthalate polyesters of 1,4-cyclohexanedimethanol. 3,284,223, 11–8–66, Cl. 117—7.

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Watson, Max E., to Paramount Paper Products Co. Patio torch. 3,248,907, 5–3–66, Cl. 67—21.

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Dransfield, Philip B., and Watson. 3,272,835.

Watson, Morris G., Jr.: *See*—
Boymel, Bernard R., and Watson. 3,238,457.

Watson, Orla E. Atomizing injector nozzle. 3,243,127, 3–29–66, Cl. 239—453.

Watson, Orla E. Wrench for crankcase drain plugs. 3,267,776, 8–23–66, Cl. 81—57.

Watson, Orris L. Method of and apparatus for heavy media separation. 3,249,226, 5–3–66, Cl. 209—172.5.

Watson, Percy K., to General Electric Co. Circuit maker and breaker devices having low electrical noise. 3,236,986, 2–22–66, Cl. 200—166.

Watson, Ralph M.: *See*—
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Watson, Richard W.: *See*—
Veit, Theodore L., and Watson. 3,271,308.

Watson, Robert A.: *See*—
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Kern, Richard W., Longwell, and Watson. 3,232,164.

Watson, Robert A., to International Business Machines Corp. Space craft navigation system. 3,263,944, 8–2–66, Cl. 244—14.

Watson, Robert D., to Atomic Energy of Canada Ltd. Process for producing a diffusionless bond between metals. 3,270,413, 9–6–66, Cl. 29—527.

Watson, Robert E., to Swedish Crucible Steel Co. Stool or table. 3,230,909, 1–25–66, Cl. 108—150.

Watson, Robert E., to Swedish Crucible Steel Co. Fastener-concealing hinge leaf construction. 3,252,179, 5–24–66, Cl. 16—128.

Watson, Robert E., to Swedish Crucible Steel Co. Toilet seat hinge post unit. 3,254,363, 6–7–66, Cl. 16—128.

Watson, Robert E., and D. A. Wick, to Hewlett-Packard Co. Signal dividers. 3,262,049, 7–19–66, Cl. 323—80.

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Watson, Robert J.: *See*—
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Watson, Roger E. and W. A. Rock puller. 3,247,605, 4–26–66, Cl. 37—2.

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De Young, Edwin L., and Watson. 3,252,912.
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Watson, Thomas, to Colgate-Palmolive Co. Method of molding mold die. 3,242,247, 3–22–66, Cl. 264—219.

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Hopkins, Harold H. 3,288,021.

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Watson, Roger E. and W. A. 3,247,605.

Watson, Wayne C.: *See*—
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Schweiker, Malcolm A., and Watson. 3,250,338.

Watson, Wayne C., to American Olean Tile Co., Inc. Tile sheet-backing apparatus. 3,291,676, 12–13–66, Cl. 156—561.

Watson, William B., and H. R. Bentley, to Sinclair Research, Inc. Refining and stabilizinz petroleum wax. 3,232,862, 2–1–66, Cl. 208—27.

Watson, William B., and M. K. Rausch, to Sinclair Research, Inc. Process for producing naphthenic lubricating oils. 3,232,863. 2–1–66, Cl. 208—36.

Watson, William H., to E. I. du Pont de Nemours and Co. Poly(phenylene/4,4'-diphenyleneisopropylidene hexahydroterephthalate). 3,251,804, 5–17–66, Cl. 260—47.

Watson, William H., to E. I. du Pont de Nemours, and Co. Glycol 1,4-bicyclo [2.2.2] octanedicarboxylate polyesters. 3,256,241, 6–14–66, Cl. 260—47.

Watson, William I., and P. W. Glaser, to Arthur D. Little, Inc. Silicon carbide recovery. 3,259,243, 7–5–66, Cl. 209—166.

Watt, Andrew K., to General Motors Corp. Front wheel drive torque steer compensator. 3,283,842, 11–8–66, Cl. 180—48.

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Wattenbarger, Claude J., to Swift & Co. Packaging of comestibles. 3,269,846, 8–30–66, Cl. 99—174.

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Watts, Claude H., A. A. Shields, and H. W. Krohn, to Precision Metalsmiths, Inc. Apparatus for forming ceramic shell molds. 3,231,946, 2–1–66, Cl. 22—9.

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Watts, John C., to E. I. du Pont de Nemours and Co. Controlling soil pests with alkoxymethyl methyldithiocarbamates. 3,265,562. 8–9–66, Cl. 167—22.

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Webb, James E., administrator of The National Aeronautics and Space Administration, with respect to an invention of M. V. R. K. Murty. Concave grating spectrometer. 3,229,568, 1–18–66, Cl. 88—14.

Webb, James E., administrator of the National Aeronautics and Space Administration with respect to an invention of C. A. Frederickson. Energy absorption device. 3,236,066, 2–22–66, Cl. 64—27.

Webb, James E., administrator of the National Aeronautics and Space Administration, with respect to an invention of S. Hansen. Method of making screen by casting. 3,237,253, 3–1–66, Cl. 22—200.

Webb, James E., Administrator of the National Aeronautics and Space Administration, with respect to an invention of J. D. Acord. Anti-backlash circuit for hydraulic drive system. 3,238,730, 3–8–66, Cl. 60—97.

Webb, James E., administrator of the National Aeronautics and Space Administration, with respect to an invention of P. E. Glaser, I. A. Black, G. L. Gustafson, and H. E. Soini. Apparatus for measuring thermal conductivity. 3,242,716, 3–29–66, Cl. 73—15.

Webb, James E., administrator of the National Aeronautics and Space Administration with respect to an invention of A. D. Rosin, and A. M. Pope. Zero gravity separator. 3,257,780, 6–28–66, Cl. 55—160.

Webb, James E., administrator of the National Aeronautics and Space Administration with respect to an invention of E. R. Wiebe. Automatic thermal switch. 3,260,055, 7–12–66, Cl. 62—6.

Webb, James E., administrator of the National Aeronautics and Space Administration with respect to an invention of W. S. Chen and S. Wheeler. Wind-tunnel microphone structure. 3,260,326, 7–12–66, Cl. 181—.5.

Webb, James E., administrator of the National Aeronautics and Space Administration with respect to an invention of A. R. Jensen. Separation nut. 3,262,351, 7–26–66, Cl. 85—33.

Webb, James E., administrator of the National Aeronautics and Space Administration with respect to an invention of W. G. Offilk. Emergency escape system. 3,262,518, 7–26–66, Cl. 182—191.

Webb, James E., administrator of the National Aeronautics and Space Administration with respect to an invention of C. S. Josias. Micro-current-measuring device using plural logarthmic response heated filamentary type diodes. 3,263,171, 7–26–66, Cl. 324—132.

Webb, James E., administrator of the National Aeronautics and Space Administration, with respect to an invention of T. E. Cowell, and I. B. Madison. Aerodynamic spike nozzle. 3,270,501, 9–6–66, Cl. 60—35.6.

Webb, James E., administrator of the National Aeronautics and Space Administration with respect to an invention of F. Vickers, and E. Romvary, Jr. Intermittent-type silica gel adsorption refrigerator. 3,270,512, 9–6–66, Cl. 62—2.

Webb, James E., administrator of the National Aeronautics and Space Administration with respect to an invention of H. Kastan. Absorptive splitter for closely spaced supersonic engine air inlets. 3,270,990, 9–6–66, Cl. 244—53.

Webb, James E., administrator of the National Aeronautics and Space Administration with respect to an invention of R. D. Benedict. Transient augmentation circuit for pulse amplifiers. 3,271,594, 9–6–66, Cl. 307—88.5.

Webb, James E., administrator of the National Aeronautics and Space Administration with respect to an invention of J. E. Guisinger. Starting circuit for vapor lamps and the like. 3,271,620, 9–6–66, Cl. 315—160.

Webb, James E., administrator of the National Aeronautics and Space Administration with respect to an invention of E. F. Pasierb. Gas solar detector using manganese as a doping agent. 3,271,637, 9–6–66, Cl. 317—234.

Webb, James E., administrator of the National Aeronautics and Space Administration, with respect to an invention of A. San Miguel and R. H. Silver. Means and method of measuring viscoelastic strain. 3,273,381, 9–20–66, Cl. 73—88.

Webb, James E., administrator of the National Aeronautics and Space Administration, with respect to an invention of J. M. Sellen, Jr., and D. F. Hall. Apparatus for measuring electric field strength on the surface of a model vehicle. 3,273,388, 9–20–66, Cl. 73—147.

Webb, James E., administrator of the National Aeronautics and Space Administration with respect to an invention of J. M. Thole, W. S. Kreisman, and R. M. Chapman. Inflation system for balloon type satellites. 3,276,726, 10–4–66, Cl. 244—31.

Webb, James E., administrator of the National Aeronautics and Space Administration, with respect to an invention of C. J. Finnie, and D. Schuster. Insertion loss measuring apparatus having transformer means connected across a pair of bolometers. 3,277,366, 10–4–66, Cl. 324—57.

Webb, James E., administrator of the National Aeronautics and Space Administration, with respect to an invention of C. F. Kubik. Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat. 3,279,193, 10–18–66, Cl. 60—266.

Webb, James E., administrator of the National Aeronautics and Space Administration, with respect to an invention of Donald J. Plazek. Instrument for measuring torsional creep and recovery. 3,282,091, 11–1–66, Cl. 73—99.

Webb, James E., administrator of the National Aeronautics and Space Administration with respect to an invention of H. J. Robbins, and Z. Zebrowski. Attitude control system for sounding rockets. 3,282,541, 11–1–66, Cl. 244—3.22.

Webb, James E., administrator of the National Aeronautics and Space Administration with respect to an invention of T. Winkler. A.C. logic flip-flop circuits. 3,283,175, 11–1–66, Cl. 307—88.5.

Webb, James E., administrator of the National Aeronautics and Space Administration, with respect to an invention of L. R. Malling. Digital television camera control system. 3,287,496, 11–22–66, Cl. 178—7.2.

Webb, James E., administrator of the National Aeronautics and Space Administration, with respect to an invention of M. Robinson. Solid state chemical source for ammonia beam maser. 3,287,660, 11–22–66, Cl. 331—94.

Webb, James E., administrator of the National Aeronautics and Space Administration, with respect to an invention of D. W. Brown, M. Easterling, W. L. Martin, and E. C. Posner. Phase-locked loop with sideband rejecting properties. 3,287,725, 11–22–66, Cl. 343—14.

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Webb, John K., Jr. Two-filament lamp with selector or switch. 3,260,888, 7–12–66, Cl. 315—68.

Webb, Keith E.: *See*—
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Webb, Myron Q., to E. I. du Pont de Nemours and Co. Polymeric composition of vinylidene cyanide, on unsaturated sulfonic acid and a non-ionic ethylenical unsaturated monomer. 3,243,416, 3–29–66, Cl. 260—78.5.

Webb, Orlando, Jr., to Stratford Engineering Corp. Method of charging reactants through concentric feed tubes. 3,284,537, 11–8–66, Cl. 260—683.58.

Webb, Paul D., to Ingersoll-Rand Co. Pressure fluid control and unloader therefor. 3,292,732, 12–20–66, Cl. 181—37.

Webb, Paul U., and E. K. Clardy, to Phillips Petroleum Co. Computer data collection system. 3,246,131, 4–12–66, Cl. 340—347.

Webb, Ralph D., to Union Carbide Corp. Operating method for vapor fraction analyzers. 3,248,929, 5–3–66, Cl. 73—23.1.

Webb, Reginald F., and I. G. Hinton, to Ciba Ltd. Process for the manufacture of bisphenols and polyphenols. 3,264,357, 8–2–66, Cl. 260—619.

Webb, Reginald F., and I. G. Hinton, to Ciba Ltd. Bisphenols. 3,264,358, 8–2–66, Cl. 260—619.

Webb, Richard C., to Colorado Instruments, Inc. Resonance bridge or frequency discriminator circuit and sensing system. 3,267,373, 8–16–66, Cl. 324—81.

Webb, Richard L.: *See*—
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Webb, Richard L. Practice bowling attachment for an automatic pinsetting machine. 3,257,112, 6–21–66, Cl. 273—43.

Webb, Robert L., to Union Bag-Camp Paper Corp. Conversion of alpha to beta pinene using DMSO-KOH catalyst. 3,264,362, 8–2–66, Cl. 260—675.5.

Webb, Robert L., to Union Bag-Camp Paper Corp. Preparation of terpene allylic esters with dimethyl sulfoxide as catalytic solvent. 3,280,177, 10–18–66, Cl. 260—489.

Webb, Robert L., to Union Camp Corp. Process for preparing terpenic esters with a phosphorus-containing catalyst. 3,293,286, 12–20–66, Cl. 260—489.

Webb, Robert O., and S. Sakamoto, to Webb Textiles, Inc. Window blind operating device. 3,280,893, 10–25–66, Cl. 160—281.

Webb, Robert S., to Elox Corp. of Michigan. Superimposed high striking voltage circuit. 3,229,159, 1–11–66, Cl. 315—171.

Webb, Robert S., to Elox Corp. of Michigan. Servo feed apparatus for electrical discharge machining. 3,230,412, 1–18–66, Cl. 314—61.

Webb, Robert S., to Elox Corp. of Michigan. Electrolytic machining apparatus. 3,257,306, 6–21–66, Cl. 204—224.

Webb, Robert S., to Elox Corp. of Michigan. Fault detection and cut-off circuit for electrical discharge machining apparatus. 3,257,580, 6–21–66, Cl. 315—127.

Webb, Robert S., to Elox Corp. of Michigan. Electrical discharge machining power circuit. 3,267,327, 8–16–66, Cl. 315—127.

Webb, Robert S., to Elox Corp. of Michigan. Long on-time pulse cut-off circuitry for electrical discharge machining apparatus. 3,277,337, 10–4–66, Cl. 315—127.

Webb, Robert S., to Elox Corp. of Michigan. Leading edge delay per pulse cut-off circuitry for electrical discharge machining apparatus. 3,277,338, 10–4–66, Cl. 315—127.

Webb, Robert S., to Elox Corp. of Michigan. Servo feed apparatus for electrical discharge machining. 3,289,029, 11–29–66, Cl. 314—61.

Webb, Roger J., to Westinghouse Brake and Signal Co., Ltd. Electromagnetic alternating current switching device. 3,235,744, 2–15–66, Cl. 307—88.

Webb, Spencer: *See*—
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Webb, Wells A., to Hexcel Products Inc. Telescoping articulated composite honeycomb structure with inflatable expansion means. 3,256,649, 6–21–66, Cl. 52—2.

Webb, Wells A. Countercurrent drying process and apparatus. 3,262,214, 7–26–66, Cl. 34—10.

Webb, Wells A., and W. T. Jackson, to Hexcel Products Inc. Honeycomb rocket propellant grain. 3,226,928, 1–4–66, Cl. 60—35.6.

Webb, William A., to Westinghouse Electric Corp. Pressure suppressing arrangement for nuclear reactor system. 3,287,226, 11–22–66, Cl. 176—37.

Webbe, Charles E., to Anaconda American Brass Co. Connector assembly. 3,251,612, 5–17–66, Cl. 285—47.

Webbeking, Carl. Adjustable open-end wrench having a sloping rod camming means to slide a rack catch. 3,256,759, 6–21–66, Cl. 81—143.

Webbeking, Carl. Sliding side jaw wrench adjusted by a cam operated spring-seated, sliding rack catch. 3,263,534, 8–2–66, Cl. 81—143.

Webber, Charles S., to Norton Co. Pressure sensitive adhesive comprising an isocyanate cross-linked polyester of castor oil and diglycolic acid and tape coated with said adhesive. 3,246,049, 4–12–66, Cl. 260—829.

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Webber, Harold H., and A. H. Wilson, Jr., to Roehr Products Co., Inc. Method of simultaneously forming a plurality of filaments. 3,277,564, 10–11–66, Cl. 29—419.

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Webber, Robert T., and C. P. Schumacher, to Monsanto Co. Mixing equipment. 3,238,021, 3–1–66, Cl. 23—259.1.

Webber, William O., and R. L. Martin, to Esso Research and Engineering Co. Process for controlling the loading and heat input of fractionating columns. 3,268,420, 8–23–66, Cl. 203—2.

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Weber, Abraham, to Mead Johnson and Co. 5,5-dioxodibenzo [1,2,5] thiadiazepines derivatives and method of use. 3,274,058, 9–20–66, Cl. 167—65.

Weber, Adolph C., to Laclede Steel Co. Method of constructing continuously reinforced concrete slabs. 3,287,475, 11–22–66, Cl. 264—34.

Weber, Albert. Display glass containers. 3,262,746, 7–26–66, Cl. 312—140.3.

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Weber, Alvin G., to Esso Production Research Co. Method for oil production and gas injection. 3,292,703. 12–20–66, Cl. 166—42.

Weber, Anthony P., to United States Steel Corp. Hot rolled steel strip. 3,245,844, 4–12–66, Cl. 148—12.

Weber, Anthony V., to Weber Industries, Inc. Submersible pump cable protection. 3,261,296, 7–19–66, Cl. 103—87.

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Weber, Cornelis, and J. van Esdonk, to North American Philips Co. Inc. Cathode-ray tube having an auxiliary electrode between the control grid and the anode electrode. 3,289,034, 11–29–66, Cl. 315—31.

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Weber, Don A., to The Deister Concentrator Co., Inc. Concentrating table. 3,241,674, 3–22–66, Cl. 209—441.

Weber, Eberhard E. H. and I. D. Specimen container. 3,228,444, 1–11–66, Cl. 150—3.

Weber, Edward R., to Esso Research and Engineering Co. System for unloading tankers. 3,286,675, 11–22–66, Cl. 114—74.

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Weber, Ernst L.: *See*—
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Weber, Frank W., to Burroughs Corp. Multivibrator circuits having a wide range of control. 3,278,756. 10–11–66, Cl. 307—88.5.

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Jacobsen, Paul W. 3,260,435.

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Weber, Joseph A., and R. W. Jackson; said Jackson assor. to Weber Marking Systems, Inc. Wax absorbent ribbon for stencil cutting machine. 3,277,991, 10–11–66, Cl. 197—6.4.

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Weber, Robert L., III, to Time-Mist Inc. Periodically operated aerosol dispenser. 3,269,801, 8–30–66, Cl. 222—70.

Weber, Robert L., III, to Time-Mist Inc. Periodically operated aerosol dispenser. 3,269,802, 8–30–66, Cl. 222—70.

Weber, Robert L., III, to Time-Mist Inc. Aerosol dispenser with magnetic support. 3,269,608, 8–30–66, Cl. 222—180.

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Webster, Edward, to Edward Webster Ltd. Machine for assembling lipstick components. 3,270,405, 9–6–66, Cl. 29—208.
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Webster, Philip J., to United Shoe Machinery Corp. Apparatus for making adhesive seams. 3,268,931, 8–30–66, Cl. 12—55.
Webster, Ralph K., to H. K. Webster Co. Apparatus for continuously formulating multi-component mixtures. 3,227,316, 1–4–66, Cl. 222—76.
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Wechsler, Max, and M. Schimenti. Method and construction for housing clearance and tenant relocation. 3,239,989, 3–15–66, Cl. 52—741.
Wechsler, Sammy S. Jet propelled toy device. 3,281,984, 11–1–66, Cl. 46—95.
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Weglage, David E., and A. A. 3,255,744.
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Weglage, David E., and A. A., ½ to W. Becker. Compression release arrangement for internal combustion engines. 3,255,744, 6–14–66, Cl. 123—182.
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Wegler, Richard, and E. Kuhle, to Farbenfabriken Bayer Aktiengesellschaft. Polyurethanes from masked isocyanates. 3,236,813, 2–22–66, Cl. 260—75.
Weglin, Walter, to The Boeing Co. Electrode dressing tool. 3,283,662, 11–8–66, Cl. 90—12.
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Wehde, Heinz, M. Spreng, R. Schreieck, and H. Schropl, to Teldix Luftfahrt-Ausrustungs G.m.b.H. Balancing method and apparatus. 3,259,730, 7–5–66, Cl. 219—69.
Wehe, Albert H., Jr., H. G. Ellert, R. C. Lohman, and W. T. Boyd, to Esso Research and Engineering Co. Acid hydrolysis process. 3,262,954, 7–26–66, Cl. 260—413.
Wehe, Herbert W., Jr., to Overly Mfg. Co. Door and panel construction. 3,273,297, 9–20–66, Cl. 52—404.
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Wehmeyer, Werner, to Schloemann Aktiengesellschaft. Processes for protecting products and tools during physical deformation of heavy metals and products so produced. 3,258,947, 7–5–66, Cl. 72—42.
Wehmeyer, Werner, to Schloemann Aktiengesellschaft. Method of effecting the solidification of metals under gaseous pressure. 3,279,005, 10–18–66, Cl. 22—200.
Wehner, Albert. Relatively movable bar screen with cleaners. 3,254,767, 6–7–66, Cl. 209—329.
Wehner, Albert. Vibrating screen with coupling means. 3,261,469, 7–19–66, Cl. 209—325.
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Wei, Peter H. L., S. C. Bell, and S. J. Childress, to American Home Products Corp. 4,1,2-benzoxathiazine dioxides and intermediates in their preparation. 3,277,087, 10–4–66, Cl. 260—243.
Wei, Peter H. L., and S. C. Bell, to American Home Products Corp. Tetrahydro-2,5-methano-1,2,5-benzothiadiazepine 1,1-dioxide. 3,294,791, 12–27–66, Cl. 260—243.
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Weidman, Charles R., J. Dawidowicz, and E. A. Beddall, to Eversharp, Inc. Dispenser with heat exchanger at its discharge outlet. 3,292,823, 12–20–66, Cl. 222—146.

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Weidman, Richard A., D. Tobin, and J. R. Cowan, Jr., to United Shoe Machinery Corp. Tertiary amine acrylates as catalysts for polyester-diisocyanate reactions. 3,248,369, 4–26–66, Cl. 260—75.

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Weigel, Terrence O. Compact vertical hale elevator. 3,275,117, 9–27–66, Cl. 198—7.

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Weiss, Arthur J., to Continental Can Co., Inc. Double wall separator for bottle carriers. 3,257,027, 6–21–66, Cl. 220—115.

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Wellendorf, Hans T. Method of producing snapping rollers for corn pickers. 3,241,216, 3–22–66, Cl. 29—148.4.
Weller, Barton L., and E. A. Bolton, to Vitramon Inc. Electrical unit and terminal lead connection therefor. 3,260,907, Cl. 317—261.
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Weller, Robert O., to Uniwave Inc. Yarn feed calculator. 3,293,760, 12–27–66, Cl. 33—129.
Weller, Robert W. Power pincers. 3,243,880, 4–5–66, Cl. 30—250.
Weller, Robert W. Toggle wrench having automatic abutment adjusting means. 3,262,343, 7–26–66, Cl. 81—370.
Weller, Ward W. Replaceable hammer tip for hammer mills. 3,272,445, 9–13–66, Cl. 241—197.
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Wellford, Armistead L., to General Electric Co. Synchronizing circuit. 3,248,640, 4–26–66, Cl. 321—45.
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Wells, Domenica. Posture girdle. 3,246,650, 4–19–66, Cl. 128—528.
Wells, Donald A. Synchronous double automatic fryer. 3,242,849, 3–29–66, Cl. 99—411.
Wells, Donald H., to Antennacraft Co. Zig-zag UHF antenna with four square diamond-shaped portions and quarter wave stubs. 3,235,868, 2–15–66, Cl. 343—727.
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Wells, Earle W., and D. A. Theobald, to Container Corp. of America. Corrugated paperboard, 3,293,107, 12–20–66, Cl. 161—137.
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Wells, Melvin J., and B. B. Strange, to Western Geophysical Co. of America. Method and apparatus for signal compositing and recording. 3,262,095, 7–19–66, Cl. 340—15.5.

Wells, Novell E. Beet topper with deflector means. 3,257,787, 6–28–66, Cl. 56—121.45.

Wells, Novell E. Flexible mounting for rotatable members. 3,267,502, 8–23–66, Cl. 15—3.11.

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Wells, Roger, to Diamond International Corp. Method and mold for producing multilayer absorbent tray. 3,261,740, 7–19–66, Cl. 162—123.

Wells, Roger, to Diamond International Corp. Method and apparatus for making multi-layered or selectively thickened molded pulp articles. 3,282,774, 11–1–66, Cl. 162—219.

Wells, Roger, to Diamond International Corp. Controlled deposition pulp molding method and apparatus. 3,284,284, 11–8–66, Cl. 162—218.

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Wells, Russel L. Valve seat for gate valves. 3,273,855, 9–20–66, Cl. 251—328.

Wells, Stephen, to Container Corp. of America. Wrap-around can carrier carton with interlock retaining means. 3,276,661, 10–4–66, Cl. 229—40.

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Wells, William H., and T. J. Baugh, to The International Nickel Co., Inc. Apparatus for detecting a particular eddy current type flaw utilizing pulse coincidence detection. 3,278,839, 10–11–66, Cl. 324—40.

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Welsh, Alan B., and M. A. Slaats, to Jasper Electronic Mfg. Corp. Electronic tremolo device. 3,267,196, 8–16–66, Cl. 84—1.18.

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Welsh, Herbert F., to Sperry Rand Corp. Phase modulation reading system. 3,243,580, 3–29–66, Cl. 235—61.11.

Welsh, Herbert F., to Sperry Rand Corp. High-low frequency homing. 3,263,031, 7–26–66, Cl. 179—100.2.

Welsh, Herbert F., deceased, by J. S. Chapline, executrix, to Sperry Rand Corp. V-shaped vacuum loop boxes. 3,266,691, 8–16–66, Cl. 226—97.

Welsh, Herbert F., J. P. Eckert, Jr., W. F. Schmitt, and L. F. Harrison, to Sperry Rand Corp. Digital computing system. 3,247,488, 4–19–66, Cl. 340—172.5.

Welsh, Herbert F., J. B. Deysher, and B. L. Crew, to Sperry Rand Corp. Positioning mechanism control circuit. 3,260,913, 7–12–66, Cl. 318—369.

Welsh, James W., to Hudson Lamp Co. Noise level increaser for snap-action devices. 3,236,972, 2–22–66, Cl. 200—122.

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Welt, Benjamin P. Plastic compounder. 3,278,986, 10–18–66, Cl. 18—12.

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Welter, Josef, and J. Metger, to Babcock & Wilcox, Ltd. Tube spacing means. 3,292,691, 12–20–66, Cl. 165—162.

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Welti, Arno, to Albiswerk Zurich A.G. Photoresponsive infrared target scanning apparatus. 3,291,991, 12–13–66, Cl. 250—83.3.

Weltman, William C., and N. E. Martello, to Westinghouse Electric Corp. Resinous composition comprising the reaction product of a polyamide and a phenol-aldehyde condensate. 3,259,670, 7–5–66, Cl. 260—841.

Weltmer, Wilton W., and M. W. Lutz, to Allis-Chalmers Mfg. Co. Rotary shaft seal. 3,231,285, 1–25–6, Cl. 277—53.

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Welty, Frank, to The Vendo Co. Heating and cooling system for motor vehicles. 3,287,931, 11–29–66, Cl. 62—324.

Welty, Frank and R. D. Apparatus for packaging carbonated beverages. 3,229,730, 1–18–66, Cl. 141—18.

Welty, Frank and R. D. Apparatus for supplying carbonated water to soft drink bars. 3,263,864, 8–2–66, Cl. 222—129.

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Wendt, Gerhard R., and K. W. Ledig, to American Home Products Corp. 17,17'-methylenebis ethers of 3-lower alkoxy estra-1,3,5(10)-triene. 3,267,120, 8–16–66, Cl. 260—397.5.

Wendt, Gerhard R., and K. W. Ledig, to American House Products Corp. 17-diethoxyethyl ethers of 3-alkoxy-1,3,5(10)-estratrienes. 3,272,849, 9–13–66, Cl. 260—397.5.

Wendt, Gerhard R., and K. W. Ledig, to American Home Products Corp. 2-(benzyloxyalkyl)-4-phenylimino-1,3-cyclopentanedione derivatives. 3,278,599, 10–11–66, Cl. 260—566.

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Wenger, Harry J. Wide angle portable stage and shell. 3,258,884, 7–5–66, Cl. 52—6.

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Wenger, Jerry A. Podium chair. 3,245,720, 4–12–66, Cl. 297—423.

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Allen, James M., and Scalzo. 3,275,294.
Altfather, Conrad T. 3,295,019.
Anderson, Arthur E., and Goetze. 3,254,252.
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Anthony, Charles E., and French. 3,251,928.
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Ashby, Artie D., Jr., and Higgins. 3,275,966.
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Assco, Sabi J. 3,283,228.
Astleford, John J., Jr. 3,244,838.
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Aungst, Robert D. 3,254,270.
Ayling, Robert W. 3,246,836.
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Baker, Robert M. 3,282,100.
Barditch, Irving F., and Bento. 3,244,995.
Barnett, Eugene J. 3,270,736.
Barrett, Clarence J., and Kormanik. 3,281,649.
Baudry, Rene A. 3,265,912.
Bean, Lawrence M. 3,284,794.
Beard, Charles N. 3,289,429.
Beese, Norman C. 3,259,779.
Bellott, Emile M., and Haft. 3,283,198.
Bennett, Allan I. 3,251,655.
Benneth, Allan I., Jr., Church, Coleman, O'Hara, Smith, and Stewart. 3,244,486.
Bentley, John M. 3,261,012.
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Billings, William W., and Apfelbeck. 3,294,978.
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Bond, George W., Jr., Farbman, Chinaglia, and Bloxam. 3,253,996.
Borck, Walter C., Jr., and McReynolds. 3,287,702.
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Boykin, John R., and Morrison. 3,254,302.
Brainerd, Gideon R., Olson, and Hooper. 3,243,728.
Brastins, Auseklis. 3,275,813.
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Brenner, William C. 3,260,868.
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Brown, Francis X., and Poole. 3,257,710.
Brown, Ralph D. 3,277,652.
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Brundige, William L. 3,270,781.
Buck, Ivan E., Jr. 3,252,035.
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Buck, John R. 3,283,261.
Burdett, John C. 3,264,542.
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Camarata, Frank J. 3,290,134.
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Carlson, Raymond L. 3,248,860.
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Carnahan, Paul E., and Ziemer. 3,278,780.
Carothers, Charles H., and Bogner. 3,258,635.
Carothers, Charles H., and Bogner. 3,291,937.
Carroll, James C., Decker, Thompson, and Van Gelder. 3,248,648.
Cellerini, Albert R., and Majcher. 3,248,500.
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Chang, Hung C., and Kroko. 3,275,415.
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Childs, Gordon E., and Lopenski. 3,278,451.
Chivers, James R. 3,253,535.
Chivers, James R. 3,253,536.
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Clark, Russell D., Jr., and Mahler. 3,264,433.
Clark, Russell D., Jr., and Mahler. 3,290,468.
Clavier, Philippe A., Buck, and Scullin. 3,265,978.
Colalaco, August P. 3,248,636.
Colclaser, Robert G., Jr., and Yeckley. 3,246,108.
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Coleman, Jacob J., Fekete, and Smith. 3,233,977.
Coltman, John W. 3,260,977.
Cook, Richard F. 3,295,018.
Cornish, Albert J. 3,261,721.
Cossaart, Raleigh J. 3,271,714.
Courson, Iber C. 3,287,079.
Courtin, John J., and Eidson. 3,249,816.
Cromer, Charles F. 3,291,949.
Csakvari, Tibor. 3,243,862.
Cushing, Walter V. 3,275,397.
Cuttino, William H. 3,265,934.
Cyrus, Alva E. 3,278,065.
Danko, Joseph C., and Bergstrom. 3,281,921.
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Denault, Clinton L. 3,260,894.
Dennis, Tom L., Jr. 3,239,772.
Desmarchais, Walter E., and Katz. 3,294,453.
Douglas, George R. 3,284,761.
Doyle, Robert J. 3,254,250.
Drew, Thomas C., Jr. 3,290,594.
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Ehringer, Hermann J. 3,278,281.
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Ellsworth, James P., Dyer, and Kinney. 3,280,379.
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Foster, Karl, and Albert. 3,278,348.
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Frink, Russell E. 3,231,666.
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Gasparini, Francis A. 3,263,856.
Gatlin, James A., Bobo, and Kormank. 3,278,831.
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Gelzheiser, Francis L. 3,240,902.
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Glatthorn, Raymond H., and Coffman. 3,230,344.
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Grove, Louis C., Jr., and Innis. 3,253,442.
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Guard, Gilbert M. 3,278,079.
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Giuliano, Michael N., and Strull. 3,284,639.
Hagen, Oskar. 3,254,248.
Hamilton, Thomas. 3,265,097.
Hammer, Joel B. 3,282,797.
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Hung, Roland Y., and Lin. 3,287,577.
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Johnson, Stewart C. 3,260,832.
Jordan, Angel G. 3,271,639.
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Katz, Kurt. 3,285,786.
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Keady, Richard J. 3,283,219.
Keck, Merle E., and Loch. 3,250,907.
Kelly, Anthony H. 3,275,069.
Kelly, Anthony H. 3,293,875.
Kenyon, Alonzo F., and Smith. 3,248,916.
Kesselring, Fritz. 3,271,548.
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Kimbrough, Laurence B. 3,268,370.
Knochel, William J. 3,252,042.
Koerner, Harry E., and Lupton. 3,254,223.
Kruzic, Zelko J., and Skalka. 3,280,380.
Kueber, Paul F. 3,260,858.
Kyle, William K. 3,247,438.
Lagler, Karl R., and Van Nest. 3,233,752.
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Larson, Daniel A., and Manning. 3,252,028.
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Latawiec, Alfons A., and Lockwood. 3,287,238.
Latham, Albert W., and Slotnick. 3,271,088.
Lauer, Rodney F. 3,251,406.
Laviana, Donald W. 3,245,157.
Lee, Chia H. 3,292,047.
Leeds, Winthrop M. 3,240,896.
Leeds, Winthrop M. 3,257,533.
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Lehman, Henry E., and Griffiths. 3,246,844.
Lehmann, Willi. 3,249,552.
Lempert, Irving E. 3,294,917.
Lensner, Herbert W., and Schwanenflugel. 3,278,804.
Leonard, Merrill G. 3,271,710.
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Limansky, Igor. 3,253,331.
Lin, Francis C. M. 3,282,711.
Lin, Hung C. 3,236,701.
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Linsenbardt, Aldo E. 3,284,729.
Lipman, Kenneth. 3,291,999.
Livera, Phillip A., and Lyons. 3,275,190.
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Lockie, Arthur M. 3,259,801.
Loehr, Albert H., Jr. 3,272,428.
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Mango, Joseph R. 3,290,794.
Mann, William C. 3,254,326.
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Mason, Julien J. 3,253,575.
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Masters, Charles G., Jr. 3,283,172.
Matyskella, John X. 3,253,422.
Mazur, Robert G. 3,277,610.
McAllister, William A. 3,260,675.
McClain, Robert D. 3,254,281.
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McGinnis, Gerald E. 3,248,001.
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McLaughlin, Emmett J. 3,294,945.
McLean, John A. 3,248,893.
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McWhirter, James H. 3,265,799.
Meenan, Daniel F. 3,262,492.
Meier, Arthur P. 3,271,093.
Melling, Richard J., and Betts. 3,254,256.
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Mooney, Merrick F. 3,258,574.
Moore, Harold R., and Cossaart. 3,281,745.
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Moreland, William C., II. 3,240,991.
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Peuron, Unto A., and Span. 3,258,657.
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Pfeil, Adolph H., Jr. 3,279,532.
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Rider, Henry A., Jr. 3,283,275.
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Sandberg, Stewart W., Jr. 3,243,869.
Santilli, Vincent J., Shabanowitz, and Cornish. 3,249,783.
Sauer, Louis K. 3,257,501.
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Schlabach, Leland A. 3,265,956.
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Schmidt, Paul F. 3,252,003.
Schneeberger, Robert J. 3,279,938.
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Sharp, Robert L., and Glassburn. 3,275,889.
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Simms, Robert A. 3,268,764.
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Soos, Steven W. 3,286,211.
South, William H. 3,247,932.
Specht, Theodore R., and Crump. 3,260,974.
Spell, Daniel M., Jr., and Rowe. 3,271,613.
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Splsak, Raymond J., and Sabol. 3,254,190.
Spofford, Thomas G. 3,287,076.
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Stamm, John J. 3,249,836.
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Stein, Gerhard M. 3,246,270.
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Steinbruegge, Harold A. 3,268,796.
Steinbruegge, Harold A., and Geiselman. 3,249,846.
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Steinert, Emil F. 3,249,809.
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Strom, Albert P., and Browne. 3,249,810.
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Szepesi, Zoltan P. J. 3,248,550.
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Thompson, Francis T. 3,265,980.
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Tipton, Lynn L., and Helms. 3,294,976.
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Wheeler, Harold A., to Hazeltine Research Inc. Phase-comparison navigation system utilizing spiral phase contours. 3,289,206, 11–29–66, Cl. 343—105.
Wheeler, Harold D. Closure for dispensing containers. 3,237,-817, 3–1–66, Cl. 222—519.
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Cobb, Clifton A., Williams, and Gourdeau. 3,239,945.
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Fecho, Rhine G., and Johnson. 3,278,874.
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Graham, Dale W. 3,293,769.
Gray, Ralph C. 3,249,211.
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Thomas, Andrew L. 3,265,231.
Wade, Charles H., and Burkall. 3,262,569.
Wallenbrock, Ralph E., and Sigl. 3,232,071.
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Whitacre, Donald P. Convolution-control cage for wire-coiling machine. 3,253,800, 5–31–66, Cl. 242—83.
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White, Charles S. Bearing and method of making. 3,237,278, 3–1–66, Cl. 29—149.5.
White, Charles S. Bearing and method of making. 3,238,601, 3–8–66, Cl. 29—149.5.
White, Charles S. Method of making an annular bearing. 3,238,602, 3–8–66, Cl. 29—149.5.
White, Charles S. Elements having low friction pressure engagement and method of construction. 3,239,257, 3–8–66, Cl. 287—87.
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White, Howard T., to Crane Co. Motor driven pump. 3,280,750, 10–25–66, Cl. 103—87.
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White, John J. Tube cutting and burnishing machine and method. 3,239,910, 3–15–66, Cl. 29—90.
White, John J. Tube cutting machine. 3,242,566, 3–29–66, Cl. 29—566.
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Wildi, Bernard S., to Monsanto Co. Thin films of metal polyphthalocyanines on substrates and coating process. 3,293,-075, 12–20–66, Cl. 117—211.

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Wiley, Frederick H., to International Harvester Co. Expandable depot pallet box. 3,237,839, 3–1–66, Cl. 229—23.

Wiley, James R., and T. S. Chang, to Whitmoyer Laboratories, Inc. Diamino diphenyl arsinic acid feed composition and method for accelerating growth. 3,264,111, 8–2–66, Cl. 99—2.

Wiley, John B., to General Motors Corp. Dynamoelectric machine means. 3,270,231, 8–30–66, Cl. 310—259.

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Wiley, Robert F., to Corning Glass Works. Glass blowing machine blowhead and article cooling tube combination. 3,236,620, 2–22–66, Cl. 65—262.

Wiley, Robert F., to Corning Glass Works. Axially separable neck ring mold assembly. 3,244,499, 4–5–66, Cl. 65—359.

Wiley, Robert F., to Corning Glass Works. Tubulated hollow article forming and molding apparatus therefor. 3,258,321, 6–28–66, Cl. 65—78.

Wiley, Thomas A., to United States of America, Atomic Energy Commission. Potted electric coil and hair-like lead wire assembly. 3,246,272, 4–12–66, Cl. 336—192.

Wiley, Thomas A., J. A. Peters, and J. H. Lynch, to United States of America, Atomic Energy Commission. Electrical coil and lead wire assembly. 3,258,728, 6–28–66, Cl. 336—192.

Wiley, William C., R. R. Thompson, and G. W. Goodrich, to The Bendix Corp. Spatial discriminator for particle beams. 3,240,931, 3–15–66, Cl. 250—41.9.

Wiley, William R. Sand trap. 3,285,422, 11–15–66, Cl. 210—512.

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Wilfert, Karl, and B. Barenyi, to Daimler-Benz Aktiengesellschaft. Vehicle roof convexly and concavely curved with rim therefor. 3,239,269, 3–8–66, Cl. 296—137.

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Wilhite, Verbon H. B., to Thiokol Chemical Corp. Rocket acceleration and direction control by fluid injection. 3,273,-801, 9–20–66, Cl. 239—265.23.

Wilhjelm, Richard M., to The Standard Oil Co. Process for preparing atactic and elastomeric polyolefins and catalyst systems therefor. 3,236,824, 2–22–66, Cl. 260—88.2.

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Wilkes, Raymond S., A. E. Klouda, E. A. Henningsen, and A. B. Skromme, to Deere & Co. Screw-conveyor feeder. 3,270,857, 9–6–66, Cl. 198—64.

Wilkey, John W., Jr., to United States of America, National Aeronautics and Space Administration. Velocity package. 3,260,204, 7–12–66, Cl. 102—49.

Wilkich, John. Container with integral opener. 3,289,880, 12–6–66, Cl. 220—48.

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Wilkie, Robert C., A. G. Hoyle, and L. J. De Roche, to Ludlow Corp. Process of manufacturing a polyolefin fiber-containing non-woven fabric. 3,286,007, 11–15–66, Cl. 264—119.

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Wilkins, Robert E., and A. Eng, to Honeywell Inc. Rotary high speed print drum with staggered type columns. 3,247,788, 4–26–66, Cl. 101—93.

Wilkins, Robert L. Rotary engine. 3,290,879, 12–13–66, Cl. 60—39.39.

Wilkins, William B., to Reinforced Plastic Container Corp. Compartmented crate. 3,233,774, 2–8–66, Cl. 220—21.

Wilkins, William B., to Reinforced Plastic Container Corp. Method and apparatus for forming cut preforms from wound laminate material. 3,235,430, 2–15–66, Cl. 156—193.

Wilkins, William B., to Reinforced Plastic Container Corp. Composite beam. 3,238,690, 3–8–66, Cl. 52—727.

Wilkins, William B., to Reinforced Plastic Container Corp. Method of manufacturing a reinforced honeycomb structure. 3,255,062, 6–7–66, Cl. 156—79.

Wilkins, William B., to Reinforced Plastic Container Corp. Actuated mold and ejector. 3,281,306, 10–25–66, Cl. 156—469.

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Wilkinson, Harry W., to Litton Industries, Inc. Gear head and a gear motor. 3,241,397, 3–22–66, Cl. 74—606.

Wilkinson, Raymond G., and R. G. Shepherd, to American Cyanamid Co. Di-alkanoic acid esters of 2,2'-(ethylenediimino)-di-1-butanols. 3,268,576, 8–23–66, Cl. 260—490.

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Wilkinson, Thelton E. Fishing tool guide. 3,265,135, 8–9–66, Cl. 166—240.

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Wilks, Robert S., to Honeywell Inc. Controlling apparatus. 3,272,078, 9–13–66, Cl. 91—47.

Will, Guenther. Process for the production of porous plastics and products comprising polymerizing a monomer in a water-in-oil emulsion. 3,256,219, 6–14–66, Cl. 260—2.5.

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Will, Wesley P. Shower bath. 3,263,242, 8–2–66, Cl. 4—146.

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Willard, David S., to United States of America, Air Force. Switching system. 3,270,217, 8–30–66, Cl. 307—118.

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Willems, Jozef F., and G. F. van Veelen, to Gevaert Photo-Producten N.V. Photographic developing compositions. 3,265,502, 8–9–66, Cl. 96—66.

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Willems, Peter. Apparatus and method for mixing and comminuting materials. 3,249,310, 5–3–66, Cl. 241—29.

Willenbrock, Henry C., Jr., to Harbison-Walker Refractories Co. Oxygen converter linings. 3,294,386, 12–27–66, Cl. 266—36.

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Williams, Charles R., to Monsanto Co. Organic dispersants for organic pigments in liquid organic systems. 3,249,454, 5–3–66, Cl. 106—309.

Williams, Charles R., to Monsanto Co. Dispersing organic pigments in an organic medium. 3,249,455, 5–3–66, Cl. 106—309.

Williams, Charles R., to Monsanto Co. Organic dispersants for organic pigments in aqueous systems. 3,262,898, 7–26–66, Cl. 260—29.6.

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Williams, Sam B., and J. F. Jones, to Williams Research Corp. Fuel governor. 3,230,719, 1–25–66, Cl. 60—39.28.
Williams, Sam B., and J. F. Jones, to Williams Research Corp. High pressure regenerator seal. 3,235,270, 2–15–66, Cl. 277—34.
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Williamson, Floyd M., to Di-Dro Engineering Co. Hydraulic cushion for dies. 3,268,220, 8–23–66, Cl. 267—1.
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Williamson, Milo V. Water treatment and apparatus. 3,251,357, 5–17–66, Cl. 126—355.
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Williamson, Robert G., to Sperry Rand Corp. Pneumatic punch. 3,266,355, 8–16–66, Cl. 83—177.
Williamson, Robert G., to Sperry Rand Corp. Pneumatic multiplier (very high gain amplifier). 3,270,760, 9–6–66, Cl. 137—81.5.
Williamson, Robert R., to General Precision, Inc. Coordinate conversion system for strap down inertial guidance systems. 3,231,726, 1–25–66, Cl. 235—164.
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Willis, William D., to Hercules Powder Co. Stabilized epihalohydrin composition containing a nitrogen antioxidant and a lead compound. 3,239,486, 3–8–66, Cl. 260—45.75.
Willis, William D. Camping cot and cover therefor. 3,278,953, 10–18–66, Cl. 5—113.
Willis, William D., to Hercules Inc. Expandable, cross-linkable poly(epihalohydrin) composition. 3,287,287, 11–22–66, Cl. 260—2.5.
Willis, William J., to Avco Corp. Multiplex communication system with multiline digital buffer. 3,238,298, 3–1–66, Cl. 178—50.
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Willmann, Donald F., and W. T. Wood, to United States of America, Army. Frequency selection system having gang switched crystal oscillators. 3,251,002, 5–10–66, Cl. 331—8.
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Wills, Kurt H. Sheet folding and inserting apparatus. 3,242,637, 3–29–66, Cl. 53—266.
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Wills, Leonard A. Sanitary sipping-straw dispenser having a reciprocating ejector. 3,272,386, 9–13–66, Cl. 221—254.
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Willsey, Charles H., W. B. Crawford, and O. H. Schultz, to Norris Grain Co. Article transfer apparatus. 3,278,025, 10–11–66, Cl. 209—111.7.
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Willson, Corwin D., deceased, by L. T. Willson, executrix. Cover-supporting member for end-united segments. 3,242,621, 3–29–66, Cl. 52—86.
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Willy, John, to Specialty Converters, Inc. Manufacture of foam products. 3,269,882, 8–30–66, Cl. 156—78.

Willy, John, to Specialty Converters, Inc. Method and apparatus for casting foam plastic sheets on a curved casting surface. 3,278,659, 10–11–66, Cl. 264—54.

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Wilmotte, Raymond M. Binary scaler using photoresponsive elements and variable light sources. 3,258,600, 6–28–66, Cl. 250—209.

Wilms, Hans-Gunther, H. Kamp, and W. Gith, to W. Reiners. Method and apparatus for controlling a yarn-winding machine having an automatic knotting device. 3,289,957, 12–6–66, Cl. 242—35.6.

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Wilson, Alexander C. R., and W. F. Saffell, to The Black and Decker Mfg. Co. Mounting and cooling means for an energy-dissipating resistor in an electrically-operated device. 3,260,873, 7–12–66, Cl. 310—62.

Wilson, Alexander C. R., and J. G. Lawrence, to The Black and Decker Mfg. Co. Motor speed control means. 3,286,150, 11–15–66, Cl. 318—245.

Wilson, Alexander J., to Girling Ltd. Selective control valve mechanism. 3,239,034, 3–8–66, Cl. 188—152.

Wilson, Alexander J., to Girling Ltd. Anti-skid device for vehicles. 3,291,537, 12–13–66, Cl. 303—21.

Wilson, Alexander J., S. K. Hambling, and A. W. Harrison, to Girling Ltd. Spot-type disc brakes. 3,261,430, 7–19–66, Cl. 188—73.

Wilson, Alfred, C. J. G. Green, and D. J. O'Reilly, to Colt Ventilation and Heating Ltd. Heat generators. 3,258,052, 6–28–66, Cl. 158—1.

Wilson, Alfred W., E. W. Burton, and J. D. Goeschl, to The Regents of the University of California. Chromatographic column. 3,245,207, 4–12–66, Cl. 55—197.

Wilson, Allen B. Method of building a metal reinforced concrete roadway. 3,261,270, 7–19–66, Cl. 94—24.

Wilson, Allen B., deceased (by M. P. Wilson, executrix), to Gulf Oil Corp. Grapple for internally threaded pipe. 3,278,220, 10–11–66, Cl. 294—86.25.

Wilson, Armin G., L. Weintraub, and D. M. Kennedy, to Bristol-Meyers Co. Novel heterocyclic ketones. 3,259,624, 7–5–66, Cl. 260—247.7.

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Kuckhoff, John C., C. J. Kuckhoff, Sr., and Wilson. 3,247,582.

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Wilson, Bernard S.: *See*—
Ebacher, Rudolph, Ferguson, Mancini, Sheldon, Wilson, and Wirtanen. 3,281,969.

Wilson, Bertram A. Ceiling structure. 3,232,021, 2–1–66, Cl. 52—507.

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Endsley, Donald J., and Wilson. 3,280,218.

Wilson, Bruce W.: *See*—
Deal, Elmer F., Richlin, and Wilson. 3,232,783.

Wilson, Burton D.: *See*—
Burness, Donald M., and Wilson. 3,232,763.

Wilson, Burton D., to Eastman Kodak Co. Preparation of carbodiimides. 3,236,882, 2–22–66, Cl. 260—501.

Wilson, Burton D., to Eastman Kodak Co. Gelatin compositions. 3,241,972, 3–22–66, Cl. 96—111.

Wilson, Callie L. Lifting and walking jacket. 3,252,704, 5–24–66, Cl. 272—70.3.

Wilson, Carroll L.: *See*—
St. John, James C., and Wilson. 3,266,571.

Wilson, Cecil L., to United States of America, Army. Radio-frequency bridge having a delta input matching circuit. 3,278,840, 10–11–66, Cl. 324—57.

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Wilson, Charles B., W. S. Dixon, and H. Dreckman, to The Hays Corp. Paramagnetic oxygen analyzer measuring cell. 3,276,244, 10–4–66, Cl. 73—27.

Wilson, Charles D., to Allis-Chalmers Mfg. Co. Pressure vessel having concentric casings. 3,282,459, 11–1–66, Cl. 220—3.

Wilson, Charles I. Method and apparatus for supplying additional printing to preprinted forms. 3,279,368, 10–18–66, Cl. 101—269.

Wilson, Charles P., Jr., J. B. Jones, and F. G. Ciapetta, to W. R. Grace & Co. Process for preparing a silica-alumina-magnesia cracking catalyst. 3,267,044, 8–16–66, Cl. 252—451.

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Beavers, Dorothy J., Wilson, and Allen. 3,253,919.
Ford, John A., Jr., and Wilson. 3,232,762.

Wilson, Clarence M.: *See*—
Wood, Herbert H., and Wilson. 3,283,382.

Wilson, Clarence M., to Thomas Walker Ltd. Clenching press for the attachment of pronged devics, such as pronged garment fastening devices, to material. 3,237,832, 3–1–66, Cl. 227—117.

Wilson, Clarence M., to Thomas Walker Ltd. Apparatus for attaching pronged devices to fabric or other flexible material. 3,265,275, 8–9–66, Cl. 227—18.

Wilson, Clarence R., C. B. Bushnell, R. J. Herberger, and R. T. Carlson, to Eastman Kodak Co. Method and machine for packaging roll film. 3,226,816, 1–4–66, Cl. 29—430.

Wilson, Clarence R., and C. B. Bushnell, to Eastman Kodak Co. Testing arrangement. 3,246,752, 4–19–66, Cl. 209—111.7.

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Wilson, Curtis L. Gas operated firearm. 3,261,264, 7–19–66, Cl. 89—193.

Wilson Curtis L. Magnetic pump coupling. 3,261,298, 7–19–66, Cl. 103—118.

Wilson, Curtis L. Hitch brake. 3,285,373, 11–15–66, Cl. 188—112.

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Wilson, Dennis E. Photographic apparatus. 3,236,488, 2–22–66, Cl. 248—343.

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Wilson, Doyce J., to Remac Corp. Tool kit for assembly and disassembly of the pulley bearing of an automobile air conditioner compressor. 3,277,563, 10–11–66, Cl. 29—259.

Wilson, Durward D., and T. Walhout, to Browne-Morse Co. File cabinet. 3,290,106, 12–6–66, Cl. 312—222.

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Wilson, Edward, & Son Ltd.: *See*—
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Wilson, Edward B., Jr.: *See*—
Patterson, Joseph M., and Wilson. 3,246,460.

Wilson, Edward L., Jr., to Esso Research and Engineering Co. Cotton picking process. 3,260,040, 7–12–66, Cl. 56—41.

Wilson, Edward L., Jr., and T. G. Lipscomb II, to Esso Research and Engineering Co. Method of killing insects with spray oil of saturated hydrocarbon fraction derived from catalytic cracking cycle stock. 3,227,609, 1–4–66, Cl. 167—28.

Wilson, Edward L., Jr., and T. G. Lipscomb II, to Esso Research and Engineering Co. Method for producing spray oil. 3,267,020, 8–16–66, Cl. 208—28.

Wilson, Emerson A. Clutch plate. 3,237,740, 3–1–66, Cl. 192—107.

Wilson, Ernest V., H. R. Ertelt, and J. Rockett, to Esso Research and Engineering Co. Cadmium and lead thiophosphate additives for lubricating oil compositions. 3,232,873, 2–1–66, Cl. 252—32.7.

Wilson, Ethel E.: *See*—
Wilson, Jack, P. E., E. E., and Zuiker. 3,293,936.

Wilson, Eugene L., and B. M. Smith. Refrigerator defrosting apparatus. 3,229,474, 1–18–66, Cl. 62—140.

Wilson, Evelyn H., to Merck & Co., Inc. Δ⁴-3,11,20-triketo-17α-hydroxy-21-lower alkanoyloxy-4-bromo-pregnene. 3,234,246, 2–8–66, Cl. 260—397.45.

Wilson, Everett E. Educational toy. 3,238,645, 3–8–66, Cl. 35—72.

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Wilson, Forbes. Compressor and method. 3,237,847, 3–1–66, Cl. 230—52.

Wilson, Frank B., and W. A. Watkins. Boat storage system. 3,287,921, 11–29–66, Cl. 61—63.

Wilson, Frank R., to Parker-Hannifin Corp. Hand reamer. 3,232,145, 2–1–66, Cl. 77—73.

Wilson, Frank R., to Parker-Hannifin Corp. Tube cutting tool having adjustable cutter and adjustable tube supporting base. 3,237,301, 3–1–66, Cl. 30—102.

Wilson, Franklin L., to Collins Radio Co. Display device deposition suspended particles by selective magnetization of a viewable surface. 3,292,171, 12–13–66, Cl. 340—324.

Wilson, Frederick A., to Her Majesty's Postmaster General. Variable impedance electrical circuits. 3,270,142, 8–30–66, Cl. 179—81.

Wilson, Frederick E. Photographic apparatus. 3,273,451, 9–20–66, Cl. 88—24.

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Wilson, Gilbert: *See*—
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Wilson, Glenn R., to Monsanto Research Corp. Polyphenyl ether compositions useful as functional fluids. 3,290,249, 12–6–66, Cl. 252—49.7.

Wilson, Glenn R., K. L. McHugh, and J. O. Smith, to Monsanto Research Corp. Lubricant composition containing a sulfide. 3,274,107, 9–20–66, Cl. 252—46.4.

Wilson, Glenn R., J. R. Stemniski, and K. L. McHugh, to Monsanto Research Corp. Polyphenyl ether compositions useful as functional fluids. 3,290,247, 12–6–66, Cl. 252—42.7.

Wilson, Grady W., to Gordonshire Knitting Mills, Inc. Yarn trimmer for circular knitting machines. 3,228,213, 1–11–66, Cl. 66—145.

Wilson, Grant M.: *See*—
Deal, Carl H., Jr., Derr, Papadopoulos, and Wilson. 3,284,162.

Wilson, Harland D., to Ford Motor Co. Method for assembly of batteries. 3,259,525, 7–5–66, Cl. 136—176.

Wilson, Harold F., and D. H. McRae, to Rohm & Haas Co. Herbicidal compositions and their uses. 3,231,358, 1–25–66, Cl. 71—2.3.

Wilson, Harold F., and C. E. Glassick, to Rohm & Haas Co. (N)-quasi phosphonium salts. 3,235,592, 2–15–66, Cl. 260—551.

Wilson, Harold F., D. H. McRae, and B. M. Vittimberga, to Rohm & Haas Co. (N-3,4-disubstituted phenyl-3 and/or omega methyl-2-pyrrolidinones and piperidones). 3,238,222, 3–1–66, Cl. 260—326.5.

Wilson, Harold F., D. H. McRae, and B. M. Vittimberga, to Rohm & Haas Co. N-chloro or methyl-alkyl, alkoxy, alkylthio, cyclopentoxy or cyclohexoxy-phenyl-3, or 5, or 3 or 6 methyl-2-pyrrolidinones and -2-piperidones. 3,238,223, 3–1–66, Cl. 260—326.5.

Wilson, Harold F., and R. L. Skiles, to Rohm & Haas Co. Method of controlling bacteria and fungi with phosphorimidic triamide salts. 3,271,244, 9–6–66, Cl. 167—30.

Wilson, Harold F., and D. H. McRae, to Rohm & Haas Co. Herbicidal anilides. 3,281,467, 10–25–66, Cl. 260—562.

Wilson, Harold W., 50% to Wilson Laboratories, Inc., 10% to J. W. Flowers, 10% to J. H. Maxey, 10% to D. C. Casey, 10% to W. D. Rogers, Jr., and 10% to V. E. Thompson. Process for the recovery of certain constituents of waste slag from reverberatory refining of copper pyritic-type ores. 3,269,831, 8–30–66, Cl. 75—108.

Wilson, Harold W., 50% to Wilson Laboratories, Inc., 10% to J. W. Flowers, 10% to J. H. Maxy, 10% to D. C. Casey, 10% to W. D. Rogers, Jr., and 10% to V. E. Thompson. Wet process for the separation, isolation, and recovery of certain metallic and non-metallic constituents of waste slag from reverberatory refining of copper pyritic-type ores. 3,273,997, 9–20–66, Cl. 75—108.

Wilson, Harold W., 50% to Wilson Laboratories Inc., and 10% each to J. W. Flowers, J. H. Maxey, D. C. Casey, W. D. Rogers, Jr., and V. E. Thompson. Process for the recovery of certain metallic and non-metallic constituents of waste slag from reverberatory refining of copper pyritic type ores. 3,288,597, 11–29–66, Cl. 75—108.

Wilson, Henry A. Reversible wrench. 3,283,622, 11–8–66, Cl. 81—58.3.

Wilson, Henry A. Kite reel. 3,289,968, 12–6–66, Cl. 242—96.

Wilson, Hill D. Method and apparatus for manufacturing well screens. 3,275,785, 9–27–66, Cl. 219—56.

Wilson, Hugh W., and J. G. Wright, said Wright assor. to Canada, Her Majesty the Queen in right of, as represented by the Minister of National Defense. Circle projector. 3,244,064, 4–5–66, Cl. 88—24.

Wilson, Ian M., to Henry Crossley (Packings) Ltd. Ball valve seals. 3,267,558, 8–23–66, Cl. 29—156.7.

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Wilson, Jack, deceased (by P. E. and E. E. Wilson), and A. L. Zuiker, to Universal Railway Devices Co. Pump handle hand brake for piggyback cars and the like. 3,293,936, 12–27–66, Cl. 74—505.

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Wilson, James A. Line stripper and packing element therefor. 3,228,703, 1–11–66, Cl. 277—73.

Wilson, James D., to Banner Metals, Inc. Display rack. 3,232,442, 2–1–66, Cl. 211—133.

Wilson, James D., to Banner Metals, Inc. Receptacle. 3,275,188, 9–27–66, Cl. 220—97.

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Wilson, James E. Sanitary bed pan having a disposable lining. 3,249,950, 5–10–66, Cl. 4—112.

Wilson, James L., to Wilson Metal Products, Inc. Gas burner thermostat unit. 3,266,486, 8–16–66, Cl. 126—391.

Wilson, James W.: *See*—
Pachter, Irwin J., and Wilson. 3,267,110.

Wilson, Jesse A., Jr., to The Herbert A. Ascher, d.b.a. Adsco Co. Control unit for dental handpieces. 3,250,006, 5–10–66, Cl. 32—28.

Wilson, John, and C. G. Cook, to General Electric Co. Discharge lamp manufacture. 3,250,941, 5–10–66, Cl. 313—244.

Wilson, John B.: *See*—
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Miller, Woodford D., and Wilson. 3,246,583.

Wilson, John B., to Reynolds Metals Co. Charging valve construction. 3,232,485, 2–1–66, Cl. 222—52.

Wilson, John B., to Reynolds Metals Co. Gas charging apparatus with check valve. 3,239,101, 3–8–66, Cl. 222—52.

Wilson, John B., to Reynolds Metals Co. Dispensing container having a gas pressure container therein. 3,243,085, 3–29–66, Cl. 222—396.

Wilson, John C., to Dresser Industries, Inc. Acoustical logging for determining fractures. 3,289,156, 11–29–66, Cl. 340—18.

Wilson, John D. Holder and squeezer for lemon wedges. 3,244,089, 4–5–66, Cl. 100—133.

Wilson, John E., to SCM Corp. Typewriter line space lever. 3,247,942, 4–26–66, Cl. 197—114.

Wilson, John H. Method of and apparatus for constructing a fluid end of a reciprocating pump. 3,228,348, 1–11–66, 103—228.

Wilson, John H. Self propelled reciprocating pumps with selective drive to wheels and pump. 3,254,735, 6–7–66, Cl. 180—53.

Wilson, John H., Jr., to Mobil Oil Corp. Method of killing insects with phosphorodithioites and phosphorodithioates. 3,268,393, 8–23–66, Cl. 167—22.

Wilson, John J. Lawn edger. 3,232,351, 2–1–66, Cl. 172—18.

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Ross, Donald H., and Wilson. 3,232,545.

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Wilson, John R., to Tyee Machinery Co., Ltd. Regenerative brake for winch apparatus. 3,268,210, 8–23–66, Cl. 254—185.

Wilson, John S., K. T. Rapstein, F. D. Patrick, and C. F. Schrieber, to The Dow Chemical Co. Coated explosive comprising ammonium nitrate. 3,287,189, 11–22–66, Cl. 149—8.

Wilson, John T.: *See*—
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Wilson, John W.: *See*—
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Wilson, John W., to Superflexit Ltd. Tool for use in assembling conduits and end fittings. 3,286,332, 11–22–66, Cl. 29—243.52.

Wilson, John W., Jr., to Socony Mobil Oil Co., Inc. Controlling nematodes with organic phosphonothioites and phosphonothioates. 3,261,743, 7–19–66, Cl. 167—22.

Wilson, Johnnie L. Boat anchor. 3,263,642, 8-2-66, Cl. 114—208.
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Wilson, Joseph F., to Phillips Petroleum Co. Ammonium nitrate-hydrocarbon oil explosive composition. 3,240,641, 3-15-66, Cl. 149—46.
Wilson, Karl H. Multiple use packaging container. 3,233,727, 2-8-66, Cl. 206—46.
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Wilson, Kermit H., and R. C. Bue, to Nissen Corp. Folding table construction. 3,276,401, 10-4-66, Cl. 108—113.
Wilson Laboratories Inc.: *See*—
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Wilson, Lee, and Barenok. 3,275,309.
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Wilson, Lee, and P. R. Barenok, to Lee Wilson Engineering Co., Inc. Apparatus for heating metal objects. 3,275,309, 9-27-66, Cl. 266—5.
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Wilson, Louis, W. E. Hull, J. D. Steinberg, and R. E. Fischell, to United States of America, Navy. Sublimation timing switch. 3,286,064, 11-15-66, Cl. 200—142.
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Wilson, Allen B. 3,278,220.
Wilson, Mason P., Jr.: *See*—
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Douthitt, Claude A., and Wilson. 3,249,024.
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Wilson, Norman A., to Morgan Construction Co. Infrared micrometer mounting means. 3,290,913, 12-13-66, Cl. 72—12.
Wilson, Omer L., to Cities Service Research and Development Co. Method for determining processability of tar sand. 3,273,967, 9-20-66, Cl. 23—230.
Wilson, Patricia E.: *See*—
Wilson, Jack, and Zuiker. 3,293,936.
Wilson, Paul and Walter. Tool for cleaning heat exchanging surfaces and the like. 3,293,680, 12-27-66, Cl. 15—104.1.
Wilson, Peter G., to The Forgrove Machinery Co. Ltd. Wrapping machinery. 3,227,597, 1-4-66, Cl. 156—583.
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Scofield, Raymond C., and Wilson. 3,285,847.
Wilson, Reginald D. Emergency switch. 3,229,109, 1-11-66, Cl. 307—10.
Wilson, Richard L., to Westinghouse Air Brake Co. Railway fluid pressure brake apparatus. 3,272,565, 9-13-66, Cl. 303—8.
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Wilson, Richmond W.: *See*—
Nitsche, Robert E., and Wilson. 3,278,286.
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Wilson, Robert C., Jr.: *See*—
Dwyer, Francis G., Schwartz, and Wilson. 3,254,034.
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Wilson, Robert G. Electric oven. 3,273,489, 9-20-66, Cl. 99—421.
Wilson, Robert H.: *See*—
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Wilson, Robert M., to Dare Products Inc. Float controlled valve assembly. 3,270,770, 9-6-66, Cl. 137—434.
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Wilson, Ronald R.: *See*—
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Wilson, Rosser L., to American Brake Shoe Co. Car retarder. 3,227,246, 1-4-66, Cl. 188—62.
Wilson, Rufus W., deceased (by L. E. Wilson, administratrix), and S. E. Wissinger, to Prismo Safety Corp. Apparatus and method for marking a surface. 3,286,605, 11-22-66, Cl. 94—44.
Wilson, Stacy V. Dual use food turner. 3,250,561, 5-10-66, Cl. 294—7.
Wilson, Stanley L., and C. C. Rodriguez, to Union Carbide Corp. Cyrogenic liquid level control devices. 3,276,214, 10-4-66, Cl. 62—49.
Wilson, Thomas C., to American Motors Corp. Convertible seat assembly. 3,292,970, 12-20-66, Cl. 296—66.
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Mello, Victor E., Wilson, and Wester. 3,255,261.
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Wilson, Walter, and H. May, to British Industrial Plastics Ltd. Copolymers of trioxane another aldehyde having at least two carbon atoms and optionally a third comonomer. 3,272,780, 9-13-66, Cl. 260—73.
Wilson, Walter, and H. May, to British Industrial Plastics Ltd. Process for producing polymeric products of trioxane. 3,288,757, 11-29-66, Cl. 260—67.
Wilson, Walter A.: *See*—
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Wilson, Walter M., to I-T-E Circuit Breaker Co. One piece fuse retainer. 3,251,967, 5-17-66, Cl. 200—113.
Wilson, Walter R., to General Electric Co. Electrical apparatus using pressurized air as a dielectric and having air drying means incorporated therein. 3,243,560, 3-29-66, Cl. 200—148.
Wilson, Walter R., to General Electric Co. Multiple break high voltage circuit breaker with variable length gap control means. 3,267,241, 8-16-66, Cl. 200—146.
Wilson, Walter R., to General Electric Co. Electrical apparatus insulated with a mixture of insulating gases. 3,281,521, 10-25-66, Cl. 174—17.
Wilson, Warren K.: *See*—
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Wolsh, Bernard B. Unitary plastic pipe support clip. 3,228,-640, 1-11-66, Cl. 248—72.
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Wolowicz, Richard S., and D. J. Kossnar, to Container Corp. of America. Tray cover with guard. 3,244,356, 4-5-66, Cl. 229—51.
Wolpin, Kermit, to Hit Sales Corp. Indicia application. 3,274,716, 9-27-66, Cl. 40—107.
Wolski, Jack H., and H. Guth. Exercise apparatus with spring resistance. 3,248,107, 4-26-66, Cl. 272—83.
Wöltche, Walter: *See*—
Macher, Karl, Solisch, and Woltche. 3,273,457.
Solisch, Rudolf, and Wöltche. 3,236,151.
Wolter, Gilbert R.: *See*—
Chambers, Worthy L., and Wolter. 3,274,040.
Jepson, Ivar, Wied, and Wolter. 3,273,194.
Jepson, Ivar, and Wolter. 3,275,051.
Wolter, Gilbert R., and A. F. Ernstberger, to Sunbeam Corp. Foam generator for floor conditioner. 3,258,803, 7-5-66, Cl. 15—50.
Wolter, Gilbert R., W. L. Chambers, and F. J. Ritter, to Sunbeam Corp. Mixer. 3,280,351, 10-18-66, Cl. 310—68.
Wolter, Heinz, to Usine de Wecker S.a.r.l. Gate valve. 3,266,525, 8-16-66, Cl. 138—94.3.
Woltering, Howard M. Ground effect machine. 3,243,003, 3-29-66, Cl. 180—7.
Woltra Co., Inc., The: *See*—
Aronson, Philip. 3,246,815.
Wolven, Albert W. Kettle with dosage-appliance. 3,258,161, 6-28-66, Cl. 222—41.
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Brown, Ernest C., and Temple. 3,262,217.
Brown, Ernest C., and Temple. 3,263,339.
Wolverine Equipment Co.: *See*—
Hoyt, Charles W. 3,229,377.
Wolverine Flexographic Mfg. Co.: *See*—
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Nagel, Herbert. 3,275,112.
Wolverine Shoe & Tanning Corp.: *See*—
Burch, Paul F. 3,291,175.
Harrington, John A., Broersma, Runnells, and Johnson. 3,276,058.
Harrington, John A., Porter, and Allwardt. 3,280,869.
Runnells, David L., Jr., Broersma, and Krause. 3,255,-485.
Runnells, David L., Jr., Lampe, Broersma, Harrington, and Krause. 3,249,139.
Wallach, Mark K. 3,270,927.
Wallach, Mark K. 3,279,008.
Wolverine Toy Co.: *See*—
Mehelich, John J. 3,254,892.
Wolverton, Kenneth H., to Ametek, Inc. Laundry machines. 3,230,746, 1-25-66, Cl. 68—24.
Wolverton, Kenneth H., to Ametek, Inc. Laundry machine. 3,250,393, 5-10-66, Cl. 210—146.
Wolverton, Kenneth H., to Ametek, Inc. Laundry machines. 3,285,038, 11-15-66, Cl. 68—19.
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King, Lewis M., and Smart. 3,234,996.
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Wong, Benjamin and J. H. Process for preparing foodstuff intermediates in chip form. 3,282,701, 11-1-66, Cl. 99—1.
Wong, Chih, to United-Carr Inc. Integrated circuit package. 3,234,320, 2-8-66, Cl. 174—50.5.
Wong, Herbert V.: *See*—
Punte, Lawrence F., Weir, and Wong. 3,227,933.
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Burgi, Charles E., and Wong. 3,240,997.
Wong, Joe H.: *See*—
Wong, Benjamin and J. H. 3,282,701.
Wong, Lip F.: *See*—
Pennington, Louis E., and Wong. 3,232,637.
Pennington, Louis E., and Wong. 3,240,512.
Wong, Robert, B. D. Wise, and A. R. Morrison, to Owens-Corning Fiberglas Corp. Method of making a bonded mat of surface treated glass fibers. 3,288,582, 11-29-66, Cl. 65—3.
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Hovda, Robert E., and Wong. 3,283,322.
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Wonso, Stanley. Closure for collapsible tubes. 3,283,965, 11-8-66, Cl. 222—519.
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Braden, Junior T., Chambers, and Woo. 3,279,280.
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Woo, Kenneth W. 3,253,238.
Woo, Kenneth W., now by change of name Kenneth E. Woo, to Bell Telephone Laboratories, Inc. Microwave delay equalizer. 3,253,238, 5-24-66, Cl. 333—28.
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Woo, Way D., to Honeywell Inc. Echo check with time-phased input data sampling means. 3,246,292, 4-12-66, Cl. 340—146.
Woo, Way D., to Honeywell Inc. Method and apparatus for the reproduction of data and timing signals. 3,255,440, 6-7-66, Cl. 340—174.1.
Woock, Eric M. Live poultry guard unit for continuous poultry feeding troughs. 3,250,250, 5-10-66, Cl. 119—52.
Wood, Albert G., W. W. Fenn, T. D. Kegelman, and H. S. Halpern, to United Aircraft Corp. Terrain-viewing system. 3,273,148, 9-13-66, Cl. 343—11.
Wood, Andrew S.: *See*—
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Wood, Anthony A. R.: *See*—
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Bull, George H., Timms, and Wood. 3,256,072.
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Wood, Anthony A. R., P. L. Timms, and G. H. Bull, to United States Borax and Chemical Corp. Production of titanium diboride. 3,249,401, 5-3-66, Cl. 23—204.

Wood, Arthur C.: *See*—
Chalmers, William, Wood, and Shaw. 3,294,639.
Wood, Arthur E., Jr., to Teledyne Precision, Inc. Lightweight high-speed relay. 3,255,327, 6-7-66, Cl. 200—87.
Wood, Billy G., to International Business Machines Corp. Character recognition system employing a plurality of spaced serial transducers. 3,247,483, 4-19-66, Cl. 340—146.3.
Wood, Billy G., to International Business Machines Corp. Character recognition system employing pulse time interval measurement. 3,278,900, 10-11-66, Cl. 340—146.3.
Wood, Carl O., to Westinghouse Electric Corp. Rotors of centrifugal fans. 3,272,429, 9-13-66, Cl. 230—134.
Wood, Cecil E. C., to Quiklista Ltd. Apparatus for composing sheets for the reproduction thereof. 3,264,967, 8-9-66, Cl. 95—85.
Wood, Charles, and A. E. Meixner, to Industrial Instruments, Inc. Dew point device with proportional control circuit. 3,252,319, 5-24-66, Cl. 73—17.
Wood, Charles R., to Republic Packaging Corp. Cushioned box. 3,266,705, 8-16-66, Cl. 229—14.
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Oja, Wayne J. 3,252,186.
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Wiegand, Donald E. 3,259,248.
Wood, Dale C.: *See*—
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Wood, David E., to General Electric Co. Interpolative scanner electron discharge devices having overlapping conducting intervals. 3,243,703, 3-29-66, Cl. 324—77.
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Wood, Edward. Method of servicing expansion tanks on hot water heating systems. 3,269,654, 8-30-66, Cl. 237—81.
Wood, Edwin: *See*—
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Wood, Elmer R. Combination valve and diffuser unit. 3,276,-698, 10-4-66, Cl. 239—452.
Wood, Ernest C.: *See*—
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Brown, Adolph M. 3,278,562.
Wood, Ernest C., 50% to R. G. Le Vaux. Skin clip remover. 3,254,649, 6-7-66, Cl. 128—321.
Wood, Ernest C., ⅛ to R. G. LeVaux, and ⅛ to P. B. Samuels. Hemostatic clip constructions. 3,270,745, 9-6-66, Cl. 128—325.
Wood, Ernest C. Clip remover. 3,283,557, 11-8-66, Cl. 72—386.
Wood, Fenton M., to American Machine & Foundry Co. Ultrasonic inspection device. 3,237,445, 3-1-66, Cl. 73—67.5.
Wood, Fenton M., to American Machine & Foundry Co. Selective defect detection and thickness measuring method and apparatus. 3,237,446, 3-1-66, Cl. 73—67.9.
Wood, Fenton M., and N. B. Proctor, to American Machine & Foundry Co. Ultrasonic inspection system. 3,226,976, 1-4-66, Cl. 73—67.9
Wood, Fenton M., and H. J. Schneider, to American Machine & Foundry Co. Pipeline flaw detector and marker. 3,238,-448, 3-1-66, Cl. 324—37.
Wood, Fenton M., and A. E. Crouch, to American Machine & Foundry Co. Motion responsive flaw marking apparatus and method. 3,290,167, 12-6-66, Cl. 117—37.
Wood, Francis E.: *See*—
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Wood, Frank W.: *See*—
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Wood, Fred A. Animal capturing and restraining device. 3,292,591, 12-20-66, Cl. 119—153.
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Smith, Samuel. 3,244,792.
Wood, Garfield A., Jr. Hydraulic fishing reel brake. 3,255,-981, 6-14-66, Cl. 242—84.5.
Wood, Gary R.: *See*—
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Hobrough, Gilbert L., and Wood. 3,267,798.
Wood, George C. Mowing machines. 3,246,461, 4-19-66, Cl. 56—297.
Wood, George C. Mill mixer and spreader with twin compartment. 3,272,515, 9-13-66, Cl. 275—3.
Wood, George C. Combined mill, mixer and spreader. 3,278,-168, 10-11-66, Cl. 259—114.
Wood, George C. Mill mixer and spreader with displaceable top. 3,294,406, 12-27-66, Cl. 275—3.

Wood, George F. L., and D. C. Joseph, to Eastman Kodak Co. Resin laminated paper for photographic application. 3,260,-602, 7-12-66, Cl. 96—85.
Wood, Gordon, to Probe and Develop, Inc. Therapeutic bathtub. 3,251,071, 5-17-66, Cl. 4—180.
Wood, Gordon W., and H. L. Lloyd, to The North American Mfg. Co. Fuel burner with adjustable nozzle. 3,236,460, 2-22-66, Cl. 239—416.4.
Wood, Herbert H., and C. M. Wilson, to Thomas Walker Ltd. Hook fastening devices for garment material. 3,283,382, 11-8-66, Cl. 24—227.
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Wood, Homer J., to Continental Aviation and Engineering Corp. Heat exchangers. 3,294,161, 12-27-66, Cl. 165—140.
Wood, Howard L., to Wood's Powr-Grip Co., Inc. Vacuum device for handling articles. 3,240,525, 3-15-66, Cl. 294—64.
Wood, James D. L. H., to United Kingdom Atomic Energy Authority. Plasma ion source having apertured extractor cathode. 3,281,617, 10-25-66, Cl. 313—61.
Wood, James H., to Lockheed Aircraft Corp. Flow control valve. 3,275,286, 9-27-66, Cl. 251—30.
Wood, James M., to Ethyl Corp. Manufacture of sodium. 3,248,311, 4-26-66, Cl. 204—68.
Wood, John, Co.: *See*—
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Wood, John M., Jr. Anchors. 3,286,679, 11-22-66, Cl. 114—208.
Wood, John M., Jr. Anchors. 3,291,093, 12-13-66, Cl. 114—208.
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Wood, John P.: *See*—
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Wood, John P. Reinforcement and shuttering assembly for concrete. 3,238,684, 3-8-66, Cl. 52—481.
Wood, Judson A.: *See*—
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Wood, Keith E., to Deere & Co. Blower conveyor. 3,271,082, 9-6-66, Cl. 302—37.
Wood, Keith E., to Deere & Co. Crop elevating machine. 3,285,392, 11-15-66, Cl. 198—128.
Wood, Kenneth E., to United States of America, Navy. Maximum voltage selector. 3,292,150, 12-13-66, Cl. 340—149.
Wood, Loren E., to Black, Sivalls & Bryson, Inc. Safety device for pressure vessels. 3,294,277, 12-27-66, Cl. 220—89.
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Wood, Louis S. Front end loaders for refuse trucks and the like. 3,282,453, 11-1-66, Cl. 214—302.
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Wood, Marvin. Pipe coupling. 3,268,245, 8-23-66, Cl. 285—236.
Wood, Marvin L. Flower blossom shipping and display container. 3,259,234, 7-5-66, Cl. 206—45.14.
Wood, Morris B. Miniature trip-free circuit-breaker. 3,265,-835, 8-9-66, Cl. 200—116.
Wood, Morris E., to Bronson Specialties, Inc. Assembly for attaching a reel to a fishing rod or pole. 3,226,873, 1-4-66, Cl. 43—22.
Wood, Morris E., to Bronson Specialties, Inc. Spinning reel. 3,284,018, 11-8-66, Cl. 242—84.2.
Wood, Morris E., to Bronson Specialties, Inc. Spinning reel. 3,284,019, 11-8-66, Cl. 242—84.21.
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Worthington, Emory W., and Grazine. 3,237,557.
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Wood, Orville T., and J. E. Underwood, Jr., to Pratt, Read & Co. Keyboard device. 3,248,992, 5-3-66, Cl. 84—436.

Wood, Paul R., to United States Rubber Co. Asphalt compositions containing a dry mix of virgin butyl rubber or polyisobutylene and carbon black. 3,277,038, 10–4–66, Cl. 260—28.5.

Wood, Paul R., and J. P. Flannery, to United States Rubber Co. Rubber chemicals. 3,281,387, 10–25–66, Cl. 260—30.8.

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Von Delden, Florena J., and Wood. 3,281,631.

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Wood, Prentice J., to The Mead Corp. Can wrapper. 3,237,762, 3–1–66, Cl. 206—65.

Wood, Prentice J., to The Mead Corp. Interlocking means for a plurality of panels. 3,249,284, 5–3–66, Cl. 229—40.

Wood, Prentice J., to The Mead Corp. Apparatus and method for forming a can wrapper having side and end chime tabs about a group of cans. 3,253,381, 5–31–66, Cl. 53—32.

Wood, Prentice J., to The Mead Corp. Bottle carrier insert. 3,258,190, 6–28–66, Cl. 229—15.

Wood, Prentice J., to The Mead Corp. Attachment for flanged containers. 3,279,113, 10–18–66, Cl. 40—306.

Wood Processes, Oregon, Ltd.: *See*—
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West, Henry L., and Wood. 3,276,253.

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Ratway, Michael, and Wood. 3,293,905.

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Wood, Roy J.: *See*—
Wood, Thomas C. and R. J., and Butcher. 3,278,190.

Wood, Ruby A. Paper roll dispenser. 3,275,133, 9–27–66, Cl. 206—56.

Wood, Sherman L.: *See*—
Copony, Edward L., and Wood. 3,232,483.

Wood, Sherman L., and G. M. Staples III, to Symington Wayne Corp. Elastomeric double flange seal. 3,282,596, 11–1–66, Cl. 277—206.

Wood, Thomas C. Fish stringer. 3,269,622, 8–30–66, Cl. 224—7.

Wood, Thomas C. and R. J., and A. E. Butcher, to Phillips Petroleum Co. Protection of packing follower and valve stem. 3,278,190, 10–11–66, Cl. 277—18.

Wood, Thomas F., and J. Angiolini, to The Givaudan Corp. Isopropyl - 1,1 - dimethylhexahydroindans and process for preparing dimethylindans. 3,240,829, 3–15–66, Cl. 260—668.

Wood, Thomas F., and G. H. Goodwin, to The Givauden Corp. Process for making 1,1,3,4,4,6-hexamethyl-1,2,3,4-tetrahydronaphthalene. 3,246,044, 4–12–66, Cl. 260—668.

Wood, Thomas F., and J. T. Angiolini, to The Givaudan Corporation. Nitrogen containing indan derivatives. 3,283,016, 11–1–66, Cl. 260—645.

Wood, Thomas K., A. G. Nylander, and F. L. Hackett, to Potters Brothers, Inc. Method and apparatus for forming glass beads. 3,279,905, 10–18–66, Cl. 65—21.

Wood, Warren R., to United States of America, Navy. Squib simulator. 3,229,123, 1–11–66, Cl. 307—108.

Wood, Wilford C. Medical teaching aid. 3,226,846, 1–4–66, Cl. 35—17.

Wood, William G., to The Electric Storage Battery Co. Lens mounting means for goggles. 3,259,909, 7–12–66, Cl. 2—14.

Wood, William H., to General Electric Co. Conveyor belt support. 3,236,354, 2–22–66, Cl. 198—1.

Wood, William J. A. Removable light support for vehicles. 3,278,741, 10–11–66, Cl. 240—7.1.

Wood, William R., to Deere & Co. Roll construction. 3,284,875, 11–15–66, Cl. 29—121.

Wood, William S. Tobacco loading device. 3,235,053, 2–15–66, Cl. 193—38.

Wood, William T.: *See*—
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Woodall, Hubert C., Jr.: *See*—
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Woodall Industries, Inc.: *See*—
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Greig, James W., and Cunningham. 3,242,245.
Greig, James W., and Cunningham. 3,250,660.

Woodall, James F., and D. C. Gillespie, to Dorr-Oliver Inc. Centrifugal screening apparatus. 3,247,972, 4–26–66, Cl. 210—369.

Woodall, Robert A.: *See*—
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Woodberry, Norman T., and W. F. Reynolds, to American Cyanamid Co. Dry strength paper containing unbleached cellulosic fibers and a non-thermosetting cationic polyamine. 3,258,393, 6–28–66, Cl. 162—164.

Woodberry, Paul T., to United States of America, Air Force. Foamed plastic structure having a uniform continuous metal coating integrally bonded to the surface thereon. 3,271,119, 9–6–66, Cl. 29—191.

Woodburn, Charles R. Weight indicating apparatus. 3,241,626, 3–22–66, Cl. 177—137.

Woodburn, Charles R. Vehicle weigher using hydraulic jacks with electric load cells. 3,291,234, 12–13–66, Cl. 177—136.

Woodburn, James, Jr., to Amsted Industries Inc. Method of level control for continuous casting. 3,287,773, 11–29–66, Cl. 22—200.1.

Woodburn, William R.: *See*—
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Woodbury, Henry H., to General Electric Co. Method of controlling diffusion. 3,282,749, 11–1–66, Cl. 148—189.

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Woodbury, William W. Article gripping tool including pyramidal gripping elements. 3,247,742, 4–26–66, Cl. 81—120.

Woodcock, Charles A., to Stewart-Warner Corp. Plunger type electrical switch with arcuate shaped contact means. 3,235,678, 2–15–66, Cl. 200—16.

Woodcock, Charles A., to Stewart-Warner Corp. Cam operated multiple contact switch. 3,250,881, 5–10–66, Cl. 200—153.

Woodcock, Charles A., to Stewart-Warner Corp. Liquid-level indicating device. 3,258,968, 7–5–66, Cl. 73—308.

Woodcock, Edward C., to Agfa Aktiengesellschaft. Sheet dispensers such as cassettes from which sheets of X-ray film are adapted to be dispensed. 3,287,012, 11–22–66, Cl. 271—18.

Woodcock, George S. and H. E., F. Simpson, and W. Clayton, to William Cotton Ltd. Straight bar knitting machines. 3,229,483, 1–18–66, Cl. 66—102.

Woodcock, George S. and H. E., F. Simpson, and W. Clayton, to William Cotton Ltd. Straight bar knitting machines. 3,248,901, 5–3–66, Cl. 66—5.

Woodcock, Herbert E.: *See*—
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Woodcock, George S. and H. E., Simpson, and Clayton. 3,248,901.

Woodcock, Herbert E., and F. Simpson, to William Cotton Ltd. Straight bar knitting machine and method. 3,262,287, 7–26–66, Cl. 66—90.

Woodcock, Richard F.: *See*—
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Koester, Charles J., Teager, Snitzer, and Woodcock. 3,242,440.

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Young, Dean A., to Union Oil Co. of California. Hydrocracking process with a crystalline zeolite catalyst composite activated with hydrogen sulfide. 3,239,451, 3–8–66, Cl. 208—111.

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Young, Howard S., and E. L. McDaniel, to Eastman Kodak Co. Process for the preparation of unsaturated nitriles. 3,293,280, 12–20–66, Cl. 260—465.3.

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Young, James A., and R. T. Lucas, to United States of America, Navy. Process for molding a glass fiber aerosol filter. 3,249,491, 5–3–66, Cl. 162—116.

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Young, Lester C., to Spo Inc. Jolting mechanism for foundry apparatus. 3,270,375, 9–6–66, Cl. 22—45.

Young, Lewis D., to Douglas Young, Inc. Cardboard container with ornamental edge. 3,251,529, 5–17–66, Cl. 229—8.

Young, Lewis D., to Douglas Young Inc. Box. 3,263,895, 8–2–66, Cl. 229—16.

Young, Lewis D., to Douglas Young Inc. Shipping and display box. 3,278,012, 10–11–66, Cl. 206—45.20.

Young, Lloyd L.: *See*—
McCally, Richard K., and Young. 3,269,188.

Young, Lloyd W.: *See*—
Miller, Alfred J., and Young. 3,245,842.

Young, Louis E., Jr., and G. R. Froment, to Federal Products Corp. Adjusting mechanism. 3,238,627, 3–8–66, Cl. 33—147.

Young, Louis W.: *See*—
Attermeyer, Lawrence A., and Young. 3,262,368.

Young, Luther O.: *See*—
Doyle, Carroll F., and Young. 3,293,205.

Young, Marcus C., to Cardinal Surveys Co. Flow measuring devices. 3,292,431, 12–20–66, Cl. 73—155.

Young, Marshall B., to Eagle Pencil Co. Drafting pen. 3,292,-595, 12–20–66, Cl. 120—44.

Young, Marvin P.: *See*—
Kolb, Alan C., Lupton, Melhart, and Young. 3,263,112.

Young, Marvin P. Signal polarity selector. 3,281,700, 10–25–66, Cl. 328—118.

Young, Michael. European-type of telephone instrument fitted with transistorized radio receiver. 3,260,941, 7–12–66, Cl. 325—310.

Young, Michael M.: *See*—
Couzens, Reginald, and Young. 3,248,102.
Couzens, Reginald, and Young. 3,282,524.
Couzens, Reginald, and Young. 3,291,478.
Couzens, Reginald, and Young. 3,292,473.

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Mertz, Lawrence N., and Young. 3,263,079.

Young, Otis C. Buckle bander. 3,226,812, 1–4–66, Cl. 29—211.

Young, Otto V.: *See*—
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Young, Paul L. Universal control knob for underwater apparatus. 3,241,467, 3–22–66, Cl. 95—11.

Young Radiator Co.: *See*—
Young, Fred M. 3,239,002.
Young, Fred M. 3,245,465.

Young, Raymond G.: *See*—
Tuomy, Justin M., and Young. 3,264,121.

Young, Reginald S., to The British Aluminium Co. Ltd. Instrument for measuring the thickness of a nonconducting film on a base metal with compensation for base resistivity and ambient temperature. 3,260,927, 7–12–66, Cl. 324—34.

Young, Richard C.: *See*—
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Young, Richard C., to Horton Mfg. Co., Inc. Fluid operated clutch. 3,253,687, 5–31–66, Cl. 192—85.

Young, Richard W., and E. Gelblum, to American Cyanamid Co. Isoquinolinyl amide esters of phosphothioic acids. 3,249,614, 5–3–66, Cl. 260—283.

Young, Robert E., to Dresser Industries, Inc. Self-checking digital telemetering system. 3,252,138, 5–17–66, Cl. 340—146.1.

Young, Robert G., to Sperry Rand Corp. Friction brake. 3,272,288, 9–13–66, Cl. 188—67.

Young, Robert O. Tiller tender accessory for small boats. 3,279,410, 10–18–66, Cl. 114—172.

Young, Robert R.: *See*—
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Young, Sam H. Hand operated printer with translatable keyboard. 3,228,507, 1–11–66, Cl. 197—2.

Young, Samuel, Jr., and D. C. Mitchell, Jr., to North American Aviation, Inc. Process of etching and etching bath for nickel base alloys. 3,232,802, 2–1–66, Cl. 156—18.

Young, Samuel, Jr., and D. C. Mitchell, Jr., to North American Aviation, Inc. Etching process for selectively forming workpiece surfaces. 3,291,667, 12–13–66, Cl. 156—18.

Young, Shannon E.: *See*—
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Young, Shirrel R., to Astro-Space Corp. Apparatus for measuring forces in compression or in tension. 3,261,203, 7–19–66.

Young, Sidney G. Tools. 3,235,964, 2–22–66, Cl. 30—262.

Young, Stephen A. Bath drain washer construction. 3,281,-865, 11–1–66, Cl. 4—206.

Young, Terence E., C. H. Rivers, and M. J. J. Maria, to Shell Oil Co. Process for recovery of hydrogen chloride and chlorine. 3,242,648, 3–29–66, Cl. 55—71.

Young, Thomas: *See*—
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Young, Vernon V., to Commercial Solvents Corp. Method of preparing a zinc oxide-silver dichromate catalyst. 3,256,-209, 6–14–66, Cl. 252—468.

Young, Vernon V., to Commercial Solvents Corp. Process for preparing oximes using a silver chromate and/or silver dichromate catalyst. 3,267,142, 8–16–66, Cl. 260—566.

Young, Vernon V., to Commercial Solvents Corp. Method of preparing a catalyst composition consisting of the oxides of zinc, silver, calcium and chromium. 3,277,019, 10–4–66, Cl. 252—465.

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Young, Walter S., Jr., to Owens-Corning Fiberglas Corp. Heat sensitive suspended ceiling structure. 3,246,432, 4–19–66, Cl. 52—98.

Young, Warren D., to General Electric Co. Differential output tubular incandescent lamp. 3,295,007, 12–27–66, Cl. 313—273.

Young, Werner W. Street cleaning machine. 3,242,521, 3–29–66, Cl. 15—340.

Young, William E.: *See*—
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66, Cl. 73—141.

Young, William E., R. O. Wolfelsperger, and H. Johnson, to Milprint, Inc. Imprinter apparatus for packaging machines. 3,280,728, 10–25–66, Cl. 101—25.

Young, William G., and R. C. Deeter, to The Salem Tool Co. Constant volume closed loop hydraulic system. 3,255,588, 6–14–66, Cl. 60—53.

Young, William G., and C. A. Quinn, to The Mearl Corp. Stabilized nacreous pigment. 3,262,802, 7–26–66, Cl. 106—297.

Young, William E., Jr., to Bell Telephone Laboratories, Inc. Digital encoder for facsimile transmission. 3,294,896, 12–27–66, Cl. 178—5.

Young, William S.: *See*—
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Young, William S., to Pfaudler Permutit, Inc. Fluid separation. 3,253,711, 5–31–66, Cl. 210—83.

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Youngberg, Charles H., and W. E. Peterson, to Deere & Co. Disk harrow. 3,292,716, 12–20–66, Cl. 172—595.

Youngblood, Charles W., to Micromatic Hone Corp. Vernier adjustment. 3,281,944, 11–1–66, Cl. 33—163.

Youngblood, Douglas J., J. C. D. Oosterhout, and L. C. Parker, to Texaco Inc. Sweetening of sour petroleum distillates. 3,228,873, 1–11–66, Cl. 208—191.

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Younger, Joy M., to Mense, Inc. Surgical belt. 3,227,160, 1–4–66, Cl. 128—171.

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Youngman, Derek H., and R. W. Davies, to Molins Organisation Ltd. Feeding of webs of material. 3,277,630, 10–11–66, Cl. 53—389.

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Youngman, W. C., Ltd.: *See*—
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Youngstown Foundry & Machine Co., The: *See*—
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Youngstown Sheet and Tube Co., The: *See*—
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Ashton, Albert A., Nichols, and Palmer. 3,244,440.
Ashton, Albert A., and Richardson. 3,239,249.
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Malin, Leonard E., and Scuderi. 3,255,975.
Pryor, Dale H., J. E., and Ashton. 3,231,803.
Richardson, Henry M., Alberghini, Wiley, and Larson. 3,256,128.
Richardson, Henry M., Larson, and Alberghini. 3,264,-013.

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Serio, Anthony W. 3,240,348.

Younkin, James R., to Mitchell Industries, Inc. Heading selector. 3,261,006, 7–12–66, Cl. 340—199.

Younkin, James R., D. H. Mitchell, and D. M. Thurman, to Mitchell Industries, Inc. Automatic trim system for aircraft. 3,268,187, 8–23–66, Cl. 244—83.

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Yovanovich, Joseph T. to National Tube and Reel Corp. Cloth-board reel. 3,286,828, 11–22–66, Cl. 206—50.

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Ytterfors, Sven L., and A. E. Jansson, to Atlas Copco Aktiebolag. Feeding slide arrangement for rock drilling machines or the like. 3,273,658, 9–20–66, Cl. 173—141.

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Yulkowski, Leon. Cylinder lock. 3,287,945, 11–29–66, Cl. 70—365.

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Yumino, Suekichi. Automatic continuous-cutting rotary log feeder for band-sawing mills. 3,286,743, 11–22–66, Cl. 143—105.

Yumoto, Hirosuke, K. Harada, and M. Itoga, to Toyo Rayon Kabushiki Kaisha. Stretching process of thermo-plastic film. 3,284,551, 11–8–66, Cl. 264—25.

Yumoto, Hirosuke, T. Hashimoto, S. Tanaka, T. Ito, Y. Kojima, Y. Shibata, T. Adachi, Y. Morita, and T. Ebihara, to Toyo Rayon Kabushiki Kaisha. Method of improving the surface properties of polypropylene film. 3,286,009, 11–15–66, Cl. 264—129.

Yunghahn, Richard J., to Midland-Ross Corp. Method and apparatus for treating web material. 3,287,815, 11–29–66, Cl. 34—7.

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Yurcick, Peter A., A. Napravnik, and S. Kordzinski, deceased (by E. Kordzinski, executrix), to Catalin Corp. of America. Vulcanization reactants and process. 3,248,357, 4–26–66, Cl. 260—38.

Yurcick, Peter A., and D. T. Day, to Catalin Corp. Rubber tackifiers comprising the reaction product of (1) a polymethylene polyphenol (2) a phenol nonreactive at its para position and (3) an aldehyde. 3,255,274, 6–7–66, Cl. 80—845.

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Yuza, Joseph J. Dispenser for viscous fluids. 3,231,149, 1–25–66, Cl. 222—324.

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Zabroski, Frank, R. F. Novak, and R. J. Krooss, to Semautics, Inc. Machine for folding, assembling and securing a captive cap. 3,255,519, 6–14–66, Cl. 29—208.

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Zelley, Walter G., to Aluminum Co. of America. Coated aluminum lithoplate and method. 3,290,151, 12–6–66, Cl. 96—75.
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Ziegler, Karl, H. Lehmkuhl, and W. Grimme; said Lehmkuhl and said Grimme assors. to said Ziegler. Process for the recovery of purified sodium. 3,234,114, 2–8–66, Cl. 204—68.

Ziegler, Karl, H. Lehmkuhl, and W. Grimme; said Lehmkuhl and said Grimme assors. to said Ziegler. Process for the electrolytic precipitation of sodium. 3,234,115, 2–8–66, Cl. 204—68.

Ziegler, Karl, and H. Lehmkuhl; said Lehmkuhl assor. to said Ziegler. Process for the production of alkali boron tetra-alkyl complex compounds. 3,240,814, 3–15–66, Cl. 260—606.5.

Ziegler, Karl, and H. Lehmkuhl; said Lehmkuhl assor. to Ziegler. Process for the electrolytic production of tetra-methyl lead. 3,254,008, 5–31–66, Cl. 204—59.

Ziegler, Karl, and H. Lehmkuhl; said Lehmkuhl assor. to said Ziegler. Production of metal alkyls. 3,254,009, 5–31–66, Cl. 204—59.

Ziegler, Karl, and H. Lehmkuhl; said Lehmkuhl assor. to said Ziegler. Process for the production of complex alkali aluminum alkyls or alkali aluminum alkyl hydrides. 3,255,224, 6–7–66, Cl. 260—448.

Ziegler, Karl, H. Breil, E. Holzkamp, and H. Martin; said Breil, said Holzkamp and said Martin assors. to said Ziegler. Polymerization of ethylene. 3,257,332, 6–21–66, Cl. 252—429.

Ziegler, Karl, and H. Lehmkuhl; said Lehmkuhl assor. to said Ziegler. Process for the conversion of complex aluminum-organic and boron-organic compounds of sodium into those of potassium. 3,285,947, 11–15–66, Cl. 260—448.

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Chapman, William I., Whitfield, Atwood, and Ziemke. 3,273,905.

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Zienty, Mitchell F., to Miles Laboratories, Inc. Hydroxy naphthylmethyl-amino bis propionitrile and bis propionic acid. 3,265,724, 8–9–66, Cl. 260—465.

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Zimmerman, Richard F., P. E. Hoch, and G. M. Wagner, to Hooker Chemical Corp. Flameproofing of textile materials. 3,247,016, 4–19–66, Cl. 117—137.

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Abend, Chester J., and R. S. Metzner, to SCM Corp. Calculating machine. 3,204,428, 4–12–66, Cl. D64—11.
Abend, Chester J., and R. S. Metzner, to SCM Corp. Adding machine. 204,644, 5–3–66, Cl. D64—11.
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Adams, Matthew M. Pull for drawers, doors and the like. 204,599, 5–3–66, Cl. D10—8.
Adams, Matthew M. Pull for drawers, doors and the like. 204,741, 5–17–66, Cl. D10—8.
Adams, Matthew M. Pull for doors, drawers, and the like. 204,870, 5–24–66, Cl. D10—8.
Adams, Monika, to Onondaga Pottery Co. Dinner plate or similar article. 205,537, 8–16–66, Cl. D44—15.
Adams, Neil D. Camera gunstock. 204,911, 5–24–66, Cl. D61—1.
Adams, Robert E. High speed mixing rotor. 204,019, 3–8–66, Cl. D55—1.
Adamson, Joe E., to Prepac, Inc. Pouch for hoisery or similar article. 204,533, 4–19–66, Cl. D87—5.
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Adler, Irving N., to R. J. Wlodyga. Optical contact lens. 206,190, 11–8–66, Cl. D57—1.
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Adler, Norman R., to Independent Lock Co. Door handle. 204,088, 3–15–66, Cl. D50—5.
Adler, Norman R., to Independent Lock Co. Door handle. 204,089, 3–15–66, Cl. D50—5.
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Aleks, Vytant P., to National Lock Co. Backplate for a knob or the like. 204,802, 5–17–66, Cl. D50—6.
Alexander, George G. Handle. 203,799, 2–15–66, Cl. D93—4.
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Alexander, John R. Dent puller. 203,948, 3–1–66, Cl. D54—13.
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Alldredge, Marshall H. Lamp for indicating operation of directional signals or similar article. 204,084, 3–15–66, Cl. D48—32.
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Allen, Grant E., Jr., and F. Bohm, to Scientific-Atlanta, Inc. Trim molding for electronic equipment cabinets or similar articles. 206,431, 12–13–66, Cl. D13—6.
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Amdal, Dagfinn O., to National Lock Co. Pull or the like. 206,058, 10–25–66, Cl. D10—8.
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Anderson, Olof V., to Anson, Inc. Bracelet or similar article. 203,859, 2–22–66, Cl. D45—4.
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Aro, George A. Telephone attachment for holding a calendar, memo-pad and pencil. 204,548, 4–26–66, Cl. D26—14.
Aronson, Louis V., II, S. Rappoport, and B. Bond, to Ronson Corp. Container for a therapeutic appliance and accessories. 204,425, 4–12–66, Cl. 58—18.
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Averitt, Marnie C. Portable power-operated impact wrench. 206,093, 10–25–66, Cl. D54—14.
Averitt, Marnie C., J. E. Dickson, and M. B. Johnson, to The Black and Decker Mfg. Co. Portable battery-operated tool. 205,631, 8–30–66, Cl. D54—14.
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Baker, William J., to Willis Oil Tool Co. Valve. 206,045, 10–18–66, Cl. D91—3.
Bakos, Ben J., to King Precision Co. Bingo ball dispenser. 205,528, 8–16–66, Cl. D34—15.
Baldwin, D. H., Co.: *See*—
Hopkins, Kenneth A., and Kaminski. 205,947.
White, Winsor D., Jr. 203,880.
White, Winsor D., Jr. 204,020.
White, Winsor D., Jr. 204,495.
White, Winsor D., Jr. 205,603.
White, Winsor D., Jr. 206,095.
White, Winsor D., Jr. 206,243.
Bales, David W., to Hawthorn Co., a division of Knellwood Co. Life preserver. 203,567, 1–25–66, Cl. D71—1.
Ballard, Walter M., and G. W. Neese, to Purex Corp., Ltd. Jar. 205,250, 7–12–66, Cl. D58—25.
Balmer, James G., to Borg-Warner Corp. Electronic cabinet. 205,590, 8–23–66, Cl. D26—5.
Balsamo, Guglielmo. Pressure regulator for compressed gases. 203,920, 2–22–66. Cl. D91—3.
Bambino, Domenick B. Fishing lure. 206,537, 12–27–66, Cl. D13—4.
Band, Philip H. Multi-compartment cabinet. 205,950, 10–11–66, Cl. D33—19.

Band, Philip H. Multi-compartment cabinet. 205,951, 10–11–66, Cl. D33—19.
Bantam-Lite, Inc.: *See*—
Schwartz, Sidney. 204,014.
Schwartz, Sidney. 205,451.
Baranowski, Frank, Jr.: *See*—
Kerr, Roger B., Taylor, and Baranowski. 205,472.
Barbee, Boyd D. Combination T-square and level. 206,349, 11–29–66, Cl. D52—6.
Barber, Peter J.: *See*—
Marshall, Eric J., Grinyer, and Barber. 205,903.
Barbier, Jean Y., to International Oil Burner Co. Room thermostat. 206,552, 12–27–66, Cl. D52—7.
Barbour, William P., to Farrington Business Machines Corp. Printing machine for credit cards or the like. 204,519, 4–19–66, Cl. D64—11.
Bard, Martin. Shelf standard. 206,241, 11–15–66, Cl. D54—1.
Bardon, Victor J. Clip rack for suspending collapsible tubes from a cabinet shelf. 204,446, 4–19–66, Cl. D4—3.
Bardos, Bela: *See*—
Ornas, Theodore, Jr., McGrew, and Bardos. 205,936.
Ornas, Theodore, Jr., McGrew, and Bardos. 205,937.
Baring, John A., to Honeywell Inc. Slide tray for photographic projector. 206,032, 10–18–66, Cl. D61—1.
Barke, Bernard A., to Bell & Howell Co. Combined viewer and editor for motion picture film. 205,915, 10–4–66, Cl. D61—1.
Barker, Arthur F., to E. I. du Pont de Nemours and Co. Top for refrigerant cylinders. 204,822, 5–17–66, Cl. D58—3.
Barling, William A. W., to F. Charatan & Son Ltd. Mouth piece for a smoker's pipe. 203,573, 1–25–66, Cl. D85—8.
Barnes-Daugherty and Associates: *See*—
Daugherty, Robert L. 203,972.
Barnes, Stuart D.: *See*—
Daugherty, Robert L. 203,972.
Barnett, Harold: *See*—
Preston, Hart, and Barnett. 206,269.
Barnett, Stanley D. Window screen or similar article. 206,374, 12–6–66, Cl. D13—1.
Barnhill, William B. Portable high chair. 205,066, 6–21–66, Cl. D15—1.
Baron, Herbert B., to Industrial Design Engineering and Sales. Power nail file, or similar article. 205,920, 10–4–66, Cl. D86—10.
Barr, Irwin R.: *See*—
Schnepfe, Robert W., Jr., Pilarski, Barr, and Sylvester. 205,711.
Sylvester, David, Barr, Schnepfe, and Pilarski. 205,712.
Barr, Irwin R., and R. W. Schnepfe, Jr. Timer indicator and control device for grenade. 205,593, 8–23–66, Cl. D30—1.
Barr, Leslie, and E. M. Ostrowsky, to Nibot Corp. Container for liquid-dispensing pliable bag. 205,969, 10–11–66, Cl. D58—12.6.
Barrantes, Herman, to Miles Laboratories, Inc. Laboratory interlocking well base for chemical apparatus. 205,033, 6–14–66, Cl. D16—1.
Barrantes, Herman, and J. G. Thomas, to Miles Laboratories, Inc. Combined rotary test tube rack and interlocking base therefor. 204,258, 4–5–66, Cl. D16—1.
Barrell, Frederick C., Jr. Storm window structure. 204,747, 5–17–66, Cl. D13—1.
Barrett, L. W., Co., Inc.: *See*—
Barrett, Lowell W. 204,297.
Barrett, Lowell W., to L. W. Barrett Co., Inc. Cutlery handle or the like. 204,297. 4–5–66, Cl. D44—29.
Barris, George. Automotive vehicle or similar article. 205,998, 10–18–66, Cl. D14—3.
Barry, John K., to South Chester Corp. Rivet. 204,415, 4–12–66, Cl. D54—9.
Barsanti, Anthony J.: *See*—
Loscalzo, Domenick F., and Barsanti. 204,856.
Bartlett, Charley F., to Bartlett-Collins Co. Combined jar and cover therefor. 205,687, 9–6–66, Cl. D58—25.
Bartlett, Charley F., to Bartlett-Collins Co. Combined jar and cover therefor. 206,028, 10–18–66, Cl. D58—25.
Bartlett-Collins Co.: *See*—
Bartlett, Charley F. 205,687.
Bartlett, Charley F. 206,028.
Bartlett, June A., to Mosler Harbor Metal Products Corp. Office file tray. 203,526, 1–18–66, Cl. D74—9.
Bartley, John W.: *See*—
Foster, Thomas H., Kersten, and Bartley. 206,105.
Bartley, Keith D., H. Dreyfuss, and R. E. Prescott, to Bell Telephone Laboratories, Inc. Shelter for housing multiple telephone stations. 204,056, 3–15–66, Cl. D13—1.
Basile, Anthony J.: *See*—
Moglin, Herbert P., Kalen, Robbins, and Basile. 206,317.
Basinais, Marjorie R. Combination paper roll cover and utility receptacle. 206,113, 11–1–66, Cl. D4—3.
Batchelor, John H., to Roto Rico, Inc. Fruit juicer. 205,178, 7–5–66, Cl. D2—3.
Bates, Donald L., to Hamilton Cosco, Inc. Stool. 206,118, 11–1–66, Cl. D15—8.
Battaglia, Anthony. Combined hair lifter and hair comb. 206,206, 11–8–66, Cl. D86—8.
Batts, John Thomas, Inc.: *See*—
Batts, John H. 203,783.
Batts, John H., to John Thomas Batts, Inc. Garment hanger. 203,783, 2–15–66, Cl. D80—8.
Bau, Stanley G. Building. 204,665, 5–10–66, Cl. D13—1.
Baughman, Karl T., to Sears, Roebuck and Co. Typewriter. 206,295, 11–22–66, Cl. D64—11.
Baughman, Karl T., to Sears, Roebuck and Co. Typewriter. 206,296, 11–22–66, Cl. D64—11.
Bauman, Merritt R.: *See*—
Brennan, Frederick S., Jones, and Bauman. 203,979.
Bausch & Lomb Inc.: *See*—
Burlin, James N., and Dreyfuss. 203,881.
Griss, Michael A. 204,209.
Griss, Michael A. 205,378.
Griss, Michael A. 205,419.
Hoogesteger, Paul A., and Petia. 205,729.
McCulloch, Donald J. 203,482.
McCulloch, Donald J. 203,520.
McCulloch, Donald J. 204,102.
McCulloch, Donald J. 204,210.
McCulloch, Donald J. 204,958.
McCulloch, Donald J. 204,959.
McCulloch, Donald J. 206,557.
Ramp, Robert H. 204,022.
Ramp, Robert H. 204,101.
Ramp, Robert H. 204,418.
Ramp, Robert H. 204,956.
Simon, Jean R. 205,417.
Simon, Jean R. 205,418.
Baybars, Kristin. Stuffed animal toy or similar article. 206,074, 10–25–66, Cl. D34—2.
Bayer, Justin J., to Venride, Inc. Saddled dinosaur amusement ride device. 204,768, 5–17–66, Cl. D34—5.
Bayer, Justin J., to Venride, Inc. Saddled tiger amusement ride device. 204,769, 5–17–66, Cl. D34—5.
Bayly, Edward L. Display cabinet for cigarettes and the like. 204,044, 3–8–66, Cl. D80—11.
Bayuk Cigars Inc.: *See*—
Berger, Alan, and Schwartz. 204,041.
Bazilli, Michael V., and S. G. Siddall, to Lilliston Implement Co. Fertilizer spreader. 205,530, 8–16–66, Cl. D35—2.
Beach, Richard C., and A. E. Pierce, to Champlin Petroleum Co. Building. 205,834, 9–27–66, Cl. D13—1.
Beacon Mfg. Co.: *See*—
Hughes, George H. 206,367.
Bear, Fred B.: Handgrip adapter for archery bow. 204,065, 3–15–66, Cl. D30—1.
Bearse, Edgar, II: *See*—
Bearse, Henry F., and E. Bearse II. 206,055.
Bearse, Henry F., and E. Bearse II. Vacuum cleaner cleaning attachment for wall convector radiators, or the like. 206,055, 10–25–66, Cl. D9—2.
Beaupre, Marcel, to Dominion Corset Co., Ltd. Buckle. 204,193, 3–29–66, Cl. D17—1.
Beck, David W., to Aerolab Development Co. Folding boat propeller. 203,780, 2–15–66, Cl. D71—1.
Becker, Robert D., to Sonsoweld Corp. Plastic sheet material or the like. 206,564, 12–27–66, Cl. D87—3.
Becking, Paul E., and K. Kuika, to Data Link Corp. Splicer for punched tape or the like. 203,563, 1–25–66, Cl. D61—1.
Beckwith-Arden Inc.: *See*—
Beckwith, Edwin L. 205,769.
Beckwith, Edwin L., to Beckwith-Arden Inc. Bayonet scabbard. 205,769, 9–20–66, Cl. D22—6.
Bednarczuk, Daniel: *See*—
Milton, Arnold T., and Bednarczuk. 203,917.
Beebe, Stuart J. Glove. 205,828, 9–27–66, Cl. D3—11.
Beerbaum, Helmut D., to Robertshaw Controls Co. Interval timer. 205,856, 9–27–66, Cl. D42—7.
Began, Ferdinand D. Toy gun. 206,173, 11–8–66, Cl. D34—15.
Behnk, Donald J., and D. M. Streiff, to The Jacobs Mfg. Co. Collet chuck head. 204,091, 3–15–66, Cl. D54—6.
Behnk, Donald J., and D. M. Streiff, to The Jacobs Mfg Co. Lever operated collet chuck head. 204,092, 3–15–66, Cl. D54—6.
Bekemeyer, William B., to Blaz'r Steaks International, Inc. Restaurant. 205,218, 7–12–66, Cl. D13—1.
Bell Aerospace Corp.: *See*—
Duppstadt, Jay R., and Seibel. 205,110.
Bell Auto Parts, Inc.: *See*—
Richter, Roy E. 204,933.
Bell, Edward D. Vehicle. 203,496, 1–18–66, Cl. D14—3.
Bell, Edward D. Vehicle. 205,490, 8–9–66, Cl. D90—8.
Bell & Howell Co.: *See*—
Barke, Bernard A. 205,915.
Ross, Grant D., Jr. 204,643.
Bell, John, and G. C. Burkhardt. Pet animal bed. 205,216, 7–12–66, Cl. D12—2.
Bell, Morris A. Chair. 205,587, 8–23–66, Cl. D15—1.
Bell, Stanley J., and S. Shankman. Display sign or similar article. 206,370, 12–6–66, Cl. D1—3.
Bell Telephone Laboratories, Inc.: *See*—
Bartley, Keith D., Dreyfuss, and Prescott. 204,056.
Buhrendorg, Frederick G., Dreyfuss, and Loosme. 205,878.
Burlin, James N., and Seretny. 203,679.
Dreyfuss, Henry, and Gabbard. 203,544.
Dreyfuss, Henry, McCune, and Tanis. 205,140.
Praisner, Edward A. 203,504.
Bellar, Menno. Comb holder. 203,735, 2–8–66, Cl. D86—10.
Belle, Richard T. Multi-purpose utility cart. 203,388, 1–4–66, Cl. D14—3.
Bellini, Alberto, to Impresa A. Bellini C. S.p.A. Reinforced-concrete beam. 204,874, 5–24–66, Cl. D13—1.

Bellini, Impresa A., C. S.p.A.: *See*—
Bellini, Alberto. 204,874.
Beloit Eastern Corp.: *See*—
Patterson, Henry R., Jr. 205,473.
Beltram, Joachim R., to International Edge Tool Co. Food cutter. 206,403, 12–6–66, Cl. D35—1.
Belvedere Products Inc.: *See*—
Cowen, Theodore A., Jr. 205,707.
Benes, Frank J., to Anchor Hocking Glass Corp. Jar or similar article. 203,522, 1–18–66, Cl. D58—25.
Benes, Frank J., to Anchor Hocking Glass Corp. Ashtray or similar article. 203,957, 3–1–66, Cl. D85—2.
Benfield, James W. Dental waste receptacle base or similar article. 203,541, 1–25–66, Cl. D24—1.
Benjamin, E. Burton, to Loma Industries. Child's toilet seat assembly. 204,185, 3–29–66, Cl. D4—5.
Benjamin, E. Burton, to American Uniform Co., sometimes d.b.a. Dust-Tex Co. Mop frame. 204,862, 5–10–66, Cl. D9—2.
Benjamin, Thomas A., to American Hospital Supply Corp. Carafe. 204,947, 5–31–66, Cl. D44—21.
Bennett, Marvin D., to Royal Industries, Inc. Mobile concreting pump. 203,746, 2–15–66, Cl. D14—3.
Bennett, Norman. Lamp base. 205,301, 7–19–66, Cl. D48—20.
Bennett, Sedgwick R.: *See*—
Anderson, Lester F., Bennett, and Hartman. 204,327.
Benson, Arthur E., to United States Rubber Co. Tire. 203,961, 3–1–66, Cl. D90—20.
Benson, Harold R., to The Nuarc Co. Sink. 203,801, 2–22–66, Cl. D4—2.
Benson, Harold R., to The Nuarc Co. Darkroom light fixture. 204,682, 5–10–66, Cl. D48—23.
Benson, John O., to General Mills, Inc. Puffed snack food product. 203,657, 2–8–66, Cl. D8—1.
Benson, William G.: *See*—
Hollerith, Richard, Jr., Raddin, and Benson. 203,394.
Benz, Adolph. Cake frosting forming mat. 204,554, 4–26–66, Cl. D44—29.
Beren, Irvin B. Building. 205,501, 8–16–66, Cl. D13—1.
Berg, Elaine, ½ to R. H. Wendt. Nurse's cap. 203,965, 3–8–66, Cl. D3—13.
Berg, Jack A., to Marine Swimming Pool Equipment Co. Grab rail for swimming pools. 203,974, 3–8–66, Cl. D13—1.
Berg, Jack A., to Marine Swimming Pool Equipment Co. Side panel for swimming pool diving board. 203,975, 3–8–66, Cl. D13—1.
Berg, Jack A., to Marine Swimming Pool Equipment Co. Grab rail for swimming pools. 203,976, 3–8–66, Cl. D13—1.
Bergen, James W., and J. T. Kasprzycki, to ACF Industries, Inc. Railway car. 205,017, 6–7–66, Cl. D86—1.
Berger, Alan, and M. S. Schwartz, to Bayuk Cigars Inc. Display rack. 204,041, 3–8–66, Cl. D80—9.
Berger, Irving. Lawn tractor. 205,675, 9–6–66, Cl. D40—1.
Bergman, Samuel R., to Classic Industries, Inc. Miniature racing car. 204,068, 3–15–66, Cl. D34—15.
Bergmans, Josef H. M., to North American Philips Co., Inc. Sunlamp. 204,557, 4–26–66, Cl. D48—20.
Bergo, Ralph M.: *See*—
Loosen, Ronald E., and Bergo. 203,506.
Bergsman, Winston E.: *See*—
Christensen, Irving W., and Bergsman. 206,122.
Bergstrom, Donald L. Chair. 204,374, 4–12–66, Cl. D15—1.
Berman, Nathan, to Renuzit Home Products Co. Dispenser cap for a pressurized can. 204,513, 4–19–66, Cl. D58—26.
Berman, Nathan, to Renuzit Home Products Co. Dispenser cap for a pressurized can. 204,514, 4–19–66, Cl. D58—26.
Berman, Nathan, to Renuzit Home Products Co. Dispenser cap for a pressurized can. 204,515, 4–19–66, Cl. D58—26.
Bernard Plastics Molding Corp.: *See*—
Phillips, Robert, and Levine. 204,039.
Bernstein, Sidney. Rotary display rack. 203,637, 2–1–66, Cl. D80—9.
Besore, Charles D. Nozzle cover. 205,275, 7–12–66, Cl. D91—1.
Best, John H., & Sons, Inc.: *See*—
Best, Leon H. 206,037.
Best, Leon H., to John H. Best & Sons, Inc. Display stand for carpet samples and the like. 206,037, 10–18–66, Cl. D80—9.
Bethlehem Steel Corp.: *See*—
Van Kuren, Ralph C., and Schwartz. 206,030.
Van Kuren, Ralph C., Schwartz, and Palmgren. 205,803.
Van Kuren, Ralph C., Schwartz, and Palmgren. 205,911.
Bethune, Harry R., to The Thomas & Betts Co. Head for a cable cutter or the like. 206,133, 11–1–66, Cl. D54—13.
Bevilacqua, Ernest M.: *See*—
Noyes, Elliott F., Bevilacqua, and Graf. 206,319.
Bieger, Walter I., to Arthur Salm, Inc. Ash tray or the like. 203,913, 2–22–66, Cl. D85—2.
Bieger, Walter I., to Arthur Salm, Inc. Spoon or similar article. 204,478, 4–19–66, Cl. D44—29.
Bieger, Walter I., to Honeywell Inc. Space condition responsive instrument. 204,622, 5–3–66, Cl. D52—7.
Bieger, Walter I., to Honeywell Inc. Combined pen holder and space condition responsive instrument. 204,687, 5–10–66, Cl. D52—7.
Bieger, Walter I., to Arthur Salm, Inc. Tracheotomy kit or the like. 204,724, 5–10–66, Cl. D83—12.
Biehl, Brent G. Canoe. 204,843, 5–17–66, Cl. D71—1.
Billin, Arthur G.: *See*—
Vaughn, Charles E., and Billin. 206,065.
Billman, Joseph E. Casket. 203,539, 1–25–66, Cl. D19—1.
Bingman, Richard T.: *See*—
Young, Ralph C., and Bingman. 203,498.
Binks, David N. Combined stock and tiller frame for yachts. 205,109 6–21–66, Cl. D71—1.
Binns, Thomas W. Tablecloth. 205,985, 10–11–66, Cl. D92—26.
Binns, Thomas W., to Quaker Lace Co. Tablecloth. 206,422, 12–6–66, Cl. D92—26.
Binns, Thomas W., to Quaker Lace Co. Tablecloth. 206,423, 12–6–66, Cl. D92—26.
Binstead, William A. Display card for packaged merchandise. 205,815, 9–20–66, Cl. D80—5.
Bird, Oscar N., Jr.: *See*—
Brooks, Jesse B., and Bird. 204,748.
Birrell, Stewart H., to Owens-Illinois, Inc. Jug. 204,706, 5–10–66, Cl. D58—5.
Birrell, Stewart H., and R. E. Hobbs, to Owens-Illinois, Inc. Jug. 204,705, 5–10–66, Cl. D58—5.
Bishop, Robert H. Louver damper. 204,839, 5–17–66, Cl. D62—4.
Bissell Inc.: *See*—
Hughes, Martin R. 205,059.
Bixler, Kenneth D., and R. E. Ralphs, to Diamond International Corp. Top for a carrier for bottles or the like. 205,482, 8–9–66, Cl. D58—26.
Bixler, Kenneth D., and R. E. Ralphs, to Diamond International Corp. Top for a carrier for bottles or the like. 205,483, 8–9–66, Cl. D58—26.
Bjorgensen, S. A.: *See*—
Martignoli, Louis. 205,766.
Black and Decker Mfg. Co., The: *See*—
Averitt, Marnie C. 205,080.
Averitt, Marnie C. 205,091.
Averitt, Marnie C., Dickson, and Johnson. 205,631.
Landell, Harper, and Abrahamsen. 206,459.
Landell, Harper, and Davis. 205,955.
Black, George W. Infant's chair. 203,587, 2–1–66, Cl. D15—1.
Black, William R. Billy club. 204,765, 5–17–66, Cl. D30—1.
Blair, Benton. Bird feeder. 205,772, 9–20–66, Cl. D31—2.
Blair, De Moody: *See*—
Foreman, Edward, and Blair. 205,819.
Blakely, John W. Swivel clamp for tubes. 206,288, 11–22–66, Cl. D54—1.
Blankenship, Arthur C., R. F. Bogan, and W. L. Shesterkin, to United States Rubber Co. Tire. 204,861, 5–17–66, Cl. D90—20.
Blankenship, Arthur C., R. F. Bogan, and W. L. Shesterkin, to United States Rubber Co. Tire. 204,862, 5–17–66, Cl. D90—20.
Blasco, Frank X., to Chic-N-Krisp, Inc. Combined storage and display cabinet, refrigerator and cooking unit. 205,260, 7–12–66, Cl. D81—10.
Blassco Corp.: *See*—
Silverman, Sam. 205,495.
Blaz'r Steaks International, Inc.: *See*—
Bekemeyer, William B. 205,218.
Blevins, Lewis G., to B.R.K. Electronics, Inc. Fire detector or the like. 204,916, 5–24–66, Cl. D72—1.
Bliss, Charles O. Facial tissue dispenser. 204,686, 5–10–66, Cl. D52—2.
Bloch, Jack, and V. Marchi. Pair of spectacles. 206,353, 11–29–66, Cl. D57—1.
Block China Co.: *See*—
Gulotta, Gerald. 205,534.
Block, Robert E. Combination spray unit and suction cup for automobile washing. 203,693, 2–8–66, Cl. D49—1.
Bloom, Roy. Foot treadle electrical switch. 205,035, 6–14–66, Cl. D26—13
Bloomingdale, Alfred S.: *See*—
Levinson, David J. 205,254.
Bloxsom, Daniel E., Jr. Stringed musical instrument. 206,242, 11–15–66, Cl. D56—1.
Bluemink, Gary G., to M & L Industries, Inc. Universal motor shell. 205,662, 9–6–66, Cl. D26—5.
Blum, Julius, & Co., Inc.: *See*—
Bright, Barney. 204,314.
Seery, Robert F. 205,009.
Blum, Louis, to Blumcraft of Pittsburgh. Combined post and railing. 204,130, 3–22–66, Cl. D13—7.
Blum, Louis, and W. J. Horgan, Jr. Railing. 203,663, 2–8–66, Cl. D13—7.
Blum, Louis, and W. J. Horgan, Jr. Railing post. 204,543, 4–26–66, Cl. D13—7.
Blum, Louis, and W. J. Horgan, Jr. Combined handrailing and railing post. 204,544, 4–26–66, Cl. D13—7.
Blum, Louis, and W. J. Horgan, Jr., to Blumcraft of Pittsburgh. Combined handrailing and railing post. 205,397, 8–2–66, Cl. D13—7.
Blum, Paul P. Bagel slicer. 205,149, 6–28–66, Cl. D44—1.
Blumcraft of Pittsburgh: *See*—
Blum, Louis. 204,130.
Blum, Louis, and Horgan. 205,397.
Blumenthal, Martin L., to De Luxe Reading Corp. Toy firearm. 205,231, 7–12–66, Cl. D34—15.
Blunt, Ward J.: *See*—
Reimold, Viola J., and Blunt. 205,982.

Bobrick Mfg. Corp.: *See*—
Lochheim, William S. 203,925.
Bodett, Peter C., to Motor Wheel Corp. Cabinet for a roof top air conditioner. 206,103, 10–25–66, Cl. D62—3.
Bodicky, Raymond O. Table. 204,390, 4–12–66, Cl. D33—14.
Boeing Co., The: *See*—
Allred, Robert W., and Clayton. 205,564.
Steiner, John E., and Sutter. 206,035.
Bogan, Robert F.: *See*—
Blankenship, Arthur C., Bogan, and Shesterkin. 204,861.
Blankenship, Arthur C., Bogan, and Shesterkin. 204,862.
Bogart, Marine D. Winter hat. 204,226, 4–5–66, Cl. D3—13.
Bohm, Fred: *See*—
Allen, Grant E., Jr., and Bohm. 203,826.
Allen, Grant E., Jr., and Bohm. 206,431.
Bohm, Fred, to Robosonics Inc. Holder for a telephone instrument. 203,505, 1–18–66, Cl. D26—14.
Boldt, Melvin H., to Automatic Canteen Co. of America. Phonograph cabinet. 203,771, 2–15–66, Cl. D56—4.
Boldt, Melvin H., to Automatic Canteen Co. of America. Combined tape cartridge player and programmer cabinet. 204,270, 4–5–66, Cl. D26—14.
Boldt, Melvin H., to Zenith Radio Corp. Portable stereo phonograph. 204,318, 4–5–66, Cl. D56—4.
Boldt, Melvin H., to Zenith Radio Corp. Portable phonograph cabinet. 204,907, 5–24–66, Cl. D56—4.
Boldt, Melvin H., to Zenith Radio Corp. Portable radio cabinet. 205,725, 9–13–66, Cl. D56—4.
Boldt, Melvin H., to Zenith Radio Corp. Portable radio cabinet. 205,726, 9–13–66, Cl. D56—4.
Boldt, Melvin H., to Zenith Radio Corp. Portable radio cabinet. 205,727, 9–13–66, Cl. D56—4.
Boldt, Melvin H., to Zenith Radio Corp. Portable television receiver. 205,728, 9–13–66, Cl. D56—4.
Boldt, Melvin H., to Zenith Radio Corp. Portable radio, 206,492, 12–20–66, Cl. D56—4.
Boll, Martin W.: *See*—
MacRobbie, Robert, and Boll. 204,620.
MacRobbie, Robert M., and Boll. 204,559.
Bollinger, Howard N., and L. R. Inglis, to Institutional Industries, Inc. Wheel. 205,065, 6–21–66, Cl. D14—30.
Bologna, Joseph H.: *See*—
Golub, Sidney, Bologna, Zeifman, and Roseman. 205,232.
Boltin, Lee. Cantilever support shelf bracket. 204,808, 5–17–66, Cl. D54—1.
Bonanno, Joseph L., to De Luxe Reading Corp. Display box for a doll or the like. 205,197, 7–5–66, Cl. D58—12.6.
Bonardi, Emil V., to Lever Bros. Co. Soap bar. 204,648, 5–3–66, Cl. D73—1.
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Borse, Anton G. Canoe paddle. 204,525, 4–19–66, Cl. D71—1.
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Bossong, Charles J. Lady's stocking. 204,201, 3–29–66, Cl. D47—7.
Bossong, Charles J. Lady's stocking. 204,299, 4–5–66, Cl. D47—7.
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Bostrom, John D., to Illinois Tool Works Inc. Compartmented food container or the like. 204,323, 4–5–66, Cl. D58—13.
Bostrom, John D., to Poster Packaging, Inc. Compartmented food container or the like. 204,505, 4–19–66, Cl. D58—13.
Bostrom, John D., to Illinois Tool Works Inc. Hinged compartmented container. 205,800, 9–20–66, Cl. D58—13.
Bostrom, John D. Combined packaging container and cover. 205,968, 10–11–66, Cl. D58—12.6.
Bostrom, John D., to Illinois Tool Works Inc. Hinged compartmented container. 206,098, 10–25–66, Cl. D58—13.
Bott, John A. Vehicle wind deflector. 204,932, 5–31–66, Cl. D14—6.
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Bottom, Alfred H. Pull for doors, drawers and the like. 205,611, 8–30–66, Cl. D10—8.
Bottom, Alfred H. Knob for doors, drawers and the like. 205,612, 8–30–66, Cl. D10—8.
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Bourgeois, John J., to Emhart Corp. Door latch. 203,868, 2–22–66, Cl. D50—5.
Bourner, Howard L., to Edwin L. Wiegand Co. Electric Heater. 204,219, 3–29–66, Cl. D81—10.
Bourner, Howard L., to Edwin L. Wiegand Co. Electric charcoal lighter. 204,486, 4–12–66, Cl. D81—10.
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Boutin, Harold S. High intensity lamp. 206,348, 11–29–66, Cl. D48—20.
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Bowers, John H., Jr., R. A. Johanson, and W. P. Ritzau, to Electrolux Corp. Vacuum cleaner suction nozzle and brush combination or similar article. 204,976, 6–7–66, Cl. D9—2.
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Bowman, Woodrow A., to Welco Electric Corp. Electric plug. 204,880, 5–24–66, Cl. D26—1.
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Boxer, Steve. Pair of spectacles or the like. 205,314, 7–19–66, Cl. D57—1.
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Braun, Jacob G. Architectural fretwork. 204,626, 5–3–66, Cl. D54—2.
Braun, Jacob G. Architectural fretwork. 204,627, 5–3–66, Cl. D54—2.
Braun, Jacob G. Architectural fretwork. 204,628, 5–3–66, Cl. D54—2.
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Braun, Jacob G. Architectural fretwork. 204,631, 5–3–66, Cl. D54—2.
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Brokate, Johann, to Utica Cutlery Co. Spoon or similar article, 205,311, 7–19–66, Cl. D54—12.
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Bromley, Kenneth W., to General American Transportation Corp. Molded plastic bottle carrier. 204,512, 4–19–66, Cl. D58—26.
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Bross, Helmut K., 50% to F. T. Johmann. Flexible pull strap for an aerial toy or the like. 205,459, 8–9–66, Cl. D34—15.
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Byrne Plywood Co.: *See*—
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Byrnes, Clinton L., and K. Aldrin, to Submernautics, Ltd. Boat. 206,503, 12–20–66, Cl. D71—1.
Cabell, Douglas N., to Ronson Corp. Portable hairdryer casing. 206,364, 11–29–66, Cl. D86—10.
Cable Electric Products, Inc.: *See*—
Abrams, Ralph. 204,412.
Schwartz, Fredrick W. 204,791.
Caesar, Michael. Foldable light easel. 204,576, 4–26–66, Cl. D61—1.
Cain, Clifford G., and G. B. Le Gendre, to The Hica Corp. Packaging machine for erecting, filling and sealing paperboard containers. 205,013, 6–7–66, Cl. D55—1.
Cain, Dona G. Satchel or the like. 205,333, 7–19–66, Cl D87—3.
Cain, Edna M. Male urinal. 205,746, 9–13–66, Cl. D83—1.
Caine, Merwin A. Register cover. 204,351, 4–5–66, Cl. D81—21.
Calhoun Industries, Inc.: *See*—
Shilling, James H. 204,348.
Calibri Lighters Ltd.: *See*—
Lowenthal, Hans. 204,652.
California Car Wash Systems Inc.: *See*—
La Mers, Herbert, and Wayne. 205,759.
Calladine, Andrew. Picket for a fence. 204,062, 3–15–66, Cl. D28—1.
Callender, Signe O. Combined cooling and storage rack for pies and the like. 206,549, 12–27–66, Cl. D44—29.
Callihan, James M., and C. M. Norris, to The General Industries Co. Mailing or carrying case for phonograph records or the like. 203,959. 3–1–66, Cl. D87—5.
Caloric Corp.: *See*—
Clark, Robert A. 204,392.
Clark, Robert A. 205,412.
Helgeson, Peter L. 204,180.
Camera Corp. of America: *See*—
Linder, George J., Jr. 204,912.
Camp, William W., and C. Mune, to Heinemann Electric Co. Circuit breaker. 206,006, 10–18–66, Cl. D26—13.
Campbell, Andrew J., and R. L. Fischer, to A1-Craft Mfg. Co. Center mounted window operator. 204,600, 5–3–66, Cl. D10—10.
Campbell, H Albert, Jr., and H. R. Burt, to KWF Industries, Inc. Answering apparatus for coupling a recording and play-back system with a telephone set. 206,536, 12–27–66, Cl. D26—14.
Campbell, Laurie J., to Louis Marx & Co., Inc. Toy vehicle. 203,843, 2–22–66, Cl. D34—15.
Campbell, Sherman B., C. F. Stephenson, and R. Spilman, to American Sterilizer Co. Instrument panel for a sterilizer. 206,563, 12–27–66, Cl. D83—1.
Campbell Soup Co.: *See*—
Boyd, Glenn D. 204,148.
Gould, Jerome. 203,886.
Miller, Neil W. 206,026.
Ward, Sherman C., Jr. 204,011.
Ward, Sherman C., Jr. 204,147.
Campbell, Wayne L.: *See*—
Smith, Gregory M., and Campbell. 205,904.
Campi, Antonia, to Societa Ceramica Italiana Societa per Azioni. Dinner plate or similar article. 204,410, 4–12–66, Cl. D44—15.
Canadian Aviation Electronics Ltd.: *See*—
Hughes, Douglas B. 203,723.
Hughes, Douglas B. 205,695.
Canfield, Albert A., to Oakland Community College. Study carrel. 205,360, 7–26–66, Cl. D33—11.

Canfield, Earl L. Desk lamp or similar article. 204,487, 4–19–66, Cl. D48—20.
Canion, Claude. Fish scale scraper. 205,884, 10–4–66, Cl. D9—2.
Cannon Mills Co.: *See*—
Clementi, Leonard. 206,478.
Canterbury, Howard M. Portable gas detector or the like. 206,458, 12–13–66, Cl. D52—6.
Capezzuto, John P., to The Carter's Ink Co. Marking instrument. 205,330, 7–19–66, Cl. D74—17.
Capps, Glen N. Golf putter sight. 205,041, 6–14–66, Cl. D34—5.
Cappucci, Edward M., and A. R. Marotta, to Robosonics, Inc. Housing for a remote control unit for a telephone answering apparatus or the like. 206,443, 12–13–66, Cl. D26—14.
Cardel Mfg. Inc.: *See*—
Gabriel, Lena P. 204,973.
Cardiosonics Medical Instruments Corp.: *See*—
Littmann, David. 205,171.
Carlile, Alfred E., to Talon, Inc. Reinforced separating end stop for a slide fastener. 204,263, 4–5–66, Cl. D17—8.
Carlson, Harry W.: *See*—
Robins, Augustine W., Harris, Carlson, McLean, and Middleton. 204,331.
Carmichael, Walter C., to American Optical Co. Pair of sunglasses. 204,320, 4–5–66, Cl. D57—1.
Carmichael, Walter C., to American Optical Co. Pair of sunglasses. 204,564, 4–26–66, Cl. D57—1.
Carmichael, Walter C., to American Optical Co. Pair of sunglasses. 204,813, 5–17–66, Cl. D57—1.
Carpenter, Carey. Third wheel frame for hand truck. 205,503, 8–16–66, Cl. D14—3.
Carpenter, Melvin G. Automobile ornament. 203,669, 2–8–66, Cl. D14—18.
Carpino, Frank. Chimney spark arrester. 203,632, 2–1–66, Cl. D62—3.
Carrier Current Controls Corp.: *See*—
Lawlor, George R. 206,440.
Carsello, Anthony J.: *See*—
Burkett, Wilford B., Carsello, and Hazzard. 204,360.
Carson, Richard M., and R. R. Saeks. Drawer lining paper. 204,104, 3–15–66, Cl. D59—2.
Carter, Chad R.: *See*—
Williams, Darwin D., and Carter. 204,610.
Carter, Timothy N., to Lithonia Lighting, Inc. Aisle light face plate. 206,021, 10–18–66, Cl. D48—20.
Carter's Ink Co., The: *See*—
Capezzuto, John P. 205,330.
Cartier, Inc.: *See*—
Mayeur, Jean. 206,446.
Cartner, Don W. Boat. 204,335, 4–5–66, Cl. D71—1.
Carvel, Thomas. Ice cream freezer. 205,106, 6–21–66, Cl. D67—2.
Carvel, Thomas A. Combination, display, storage and dispensing cabinet. 204,340, 4–5–66, Cl. D80—2.
Casady Engineering Associates: *See*—
Storm, Frederick K., Jr. 204,526.
Case, J. I., Co.: *See*—
Lanphere, Ralph C., and Renquist. 205,207.
Shumaker, John F. 204,246.
Cass, Onie N. Hair spray shield. 204,923, 5–24–66, Cl. D86—10.
Cassidy, Raymond T., to Sperry Rand Corp. Power drive unit for a spin casting fishing reel or similar article. 203,829, 2–22–66, Cl. D26—5.
Cassidy, Raymond T., to Sperry Rand Corp. Combined storage and display rack for an electric knife or the like. 204,479, 4–19–66, Cl. D44—29.
Cassidy, Raymond T., and R. L. Weber III, to Sperry Rand Corp. Electric knife handle. 204,135, 3–22–66, Cl. D22—3.
Cassie, James C., to Steel Sash Service, Inc. Outdoor snack wagon. 203,531, 1–25–66, Cl. D13—1.
Castorani, Francesco P., to Quaker Lace Co. Tablecloth. 204,537, 4–19–66, Cl. D92—26.
Cat-A-Gator Corp.: *See*—
Fox, Eugene R. 206,320.
Catanzaro, Frank C. Combined table and massaging unit therefor. 205,265, 7–12–66, Cl. D53—1.
Cavenco Products Ltd.: *See*—
Macey, John E. 205,933.
Cavin, James J., to Dage-Bell Corp. Educational electronics console. 203,832, 2–22–66, Cl. D26—14.
Cefalde, Joseph. Combined water and fertilizer applicator. 203,686, 2–8–66, Cl. D35—1.
Cefalde, Joseph. Plant water bottle. 204,288, 4–5–66, Cl. D35—1.
Celanese Corp. of America: *See*—
St. Clair, Melvin E. 205,554.
Celestin, William E. Portable television receiver. 205,547, 8–16–66, Cl. D56—4.
Centa, Gastone. Poultry shears or similar article. 206,067, 10–25–66, Cl. D22—5.
Central Foundry Co.: *See*—
Pearson, Marion W. 204,955.
Pearson, Marion W. 205,089.
Central Molding and Mfg. Co.: *See*—
Swanson, Russell K. 205,855.
Central Nebraska Public Power and Irrigation District, The: *See*—
Johnson, Ted A. 206,120.
Central Tool Co.: *See*—
Marshall, George L. 204,090.
Cerf, Donald B. Baby carriage. 204,253, 4–5–66, Cl. D14—14.
Cerf, Donald B. Baby stroller. 204,254, 4–5–66, Cl. D14—14.
Cerf, Donald B. Baby chair and table combination. 205,839, 9–27–66, Cl. D15—1.
Certain-Teed Products Corp.: *See*—
Burris, Donald D. 205,447.
Burris, Donald D. 205,502.
Certo, Benjamin A., and E. Killmer, to Chevron Research Co. Jug or the like. 205,479, 8–9–66, Cl. D58—5.
Chain Bike Corp.: *See*—
Ross, Sherwood B. 206,255.
Chamberlin, Robert S., D. C. Stafford, and C. A. McDonald, to Chicago Bridge & Iron Co. Offshore storage tank. 206,316, 11–22–66, Cl. D91—1.
Chambers, Robert W. Hanger for garments, textiles or the like. 205,567, 8–16–66, Cl. D80—8.
Champlin Petroleum Co.: *See*—
Beach, Richard C., and Pierce. 205,834.
Chapin, James R.: *See*—
Bradley, Guy D., and Chapin. 205,402.
Chapin, Roger F., Jr., to Westinghouse Electric Corp. Water bubbler. 205,278, 7–12–66, Cl. D91—4.
Chapman, David, and M. Polhemus, to Radio Corp. of America. Portable phonograph or similar article. 206,461, 12–13–66, Cl. D56—4.
Chapman, Richard H.: *See*—
Pulos, Arthur J., and Chapman. 205,094.
Charatan, F., & Son Ltd.: *See*—
Barling, William A. W. 203,573.
Charbonneaux, Philippe P., to Societe Industrielle Bull-General Electric (Societe Anonyme). Card punching machine. 204,459, 4–19–66, Cl. D26—5.
Charmes, Andre. Portable space heater. 204,848, 5–17–66, D81—19.
Chase, David O.: *See*—
Stevens, Philip H., Chase, and Bunyea. 205,573.
Stevens, Philip H., Chase, and Bunyea. 205,574.
Chase Instruments Corp.: *See*—
Weiner, Benjamin F. 205,735.
Chase-Shawmut Co., The: *See*—
Kozacka, Frederick J. 205,508.
Chase, William D., and C. J. De Caro, to United Shoe Machinery Corp. Stud driver. 204,634, 5–3–66, Cl. D54—10.
Chaulauqua Hardware Corp.: *See*—
Hazenberg, Cornell D. 206,372.
Chauvin, Walter J., Sr. Pirogue. 206,138, 11–1–66, Cl. D71—1.
Checkwood, Andrew M.: *See*—
Checkwood, Andrew R. and A. M. 204,749.
Checkwood, Andrew R. and A. M. Baluster or similar article. 204,749, 5–17–66, Cl. D13—7.
Chenault, David P.: *See*—
Pedersen, Charles L. 205,469.
Chernock, Stephen P. Smoking pipe. 203,430, 1–4–66, Cl. D85—8.
Cherry, Wayne K., J. R. Finegan, and B. N. Smith, to General Motors Corp. Vehicle. 203,665, 2–8–66, Cl. D14—3.
Chester Electronic Laboratories Inc.: *See*—
Joslow, David L. 205,139.
Chevron Research Co.: *See*—
Certo, Benjamin A., and Killmer. 205,479.
Chicago Aerial Industries, Inc.: *See*—
Lecuyer, Jean G. 206,287.
Wiggerman, Ronald E. 203,989.
Chicago Bridge & Iron Co.: *See*—
Chamberlin, Robert S., Stafford, and McDonald. 206,316.
Chicago Hardware Foundry Co., The: *See*—
Dresser, John R. 206,332.
Chic-N-Krisp, Inc.: *See*—
Blasco, Frank X. 205,260.
Chieda, Robert. Cover for an electrical connector for distribution lines. 203,440, 1–11–66, Cl. D26—1.
Chieda, Robert. Electrical connector housing for power line electrical connectors. 203,441, 1–11–66, Cl. D26—1.
Chieda, Robert. Connector enclosure for use on power line connectors. 203,442, 1–11–66, Cl. D26—1.
Chieda, Robert, to S. W. Farber, Inc. Food mixer. 203,850, 2–22–66, Cl. D44—1.
Chieda, Robert A.: *See*—
Cuccio, John D., and Chieda. 206,161.
Cuccio, John D., and Chieda. 206,227.
Child Guidance Toys Inc.: *See*—
Genin, Robert I. 203,725.
Chipping, William S., to Northern Electric Co. Ltd. Mobile telephone or similar article. 203,831, 2–22–66, Cl. D26—14.
Chobanian, Albert. Ironing board. 204,619, 5–3–66, Cl. D49—1.
Chodosh, Edward. Pleated umbrella. 205,879, 9–27–66, Cl. D88—3.
Choiniere, David H., and L. A. Pelky. Illuminable display stand for transparencies or the like. 205,115, 6–21–66, Cl. D80—11.
Christensen, Irving W., and W. E. Bergsman, to General Electric Co. Motherboard for supporting and integrating a plurality of electronic components or similar article. 206,121, 11–1–66, Cl. D26—10.
Christensen, Norman V. Hair trimmer. 205,453, 8–9–66, Cl. D2—5.

Christine, William C., and J. E. Pierce, to Allen Electronics, Inc. Package of comestibles and implements for preparing same. 205,478, 8–9–66, Cl. D58—2.

Christine, William C., and J. E. Pierce, to Allen Electronics, Inc. Cooler and dispenser unit for use in making cold beverages, drinks, soups and the like. 205,702, 9–13–66, Cl. D2—3.

Christoffersen, Kurt, to The Artistic Wire Products Co. of Conn., Inc. Baker's cooling rack. 205,715, 9–13–66, Cl. D44—29.

Christoffersen, Kurt, to The Artistic Wire Products Co. of Conn., Inc. Baker's cooling rack. 205,716, 9–13–66, Cl. D44—29.

Chruscz, Edward F. Fish lure. 203,447, 1–11–66, Cl. D31—4.

Cincinnati Industries, Inc.: *See*—
Cohen, Howard S., and Palais. 205,723.

Cities Service Oil Co.: *See*—
Freed, Leonard N. 205,086.

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Yotsukura, Masakatsu. 205,972.

Claar, Hermann, K. Steisslinger, and E. Lieser, to Eastman Kodak Co. Photographic camera. 205,323, 7–19–66, Cl. D61—1.

Clairol Inc.: *See*—
Wassyng, Seymour D. 203,794.

Clark, Homer E., Jr. Cartridge tray. 206,485, 12–20–66, Cl. D30—1.

Clark, Robert A., to Caloric Corp. Combined storage cabinet and table. 204,392, 4–12–66, Cl. D33—19.

Clark, Robert A., to Caloric Corp. Combined tissue and towel dispenser. 205,412, 8–2–66, Cl. D52—2.

Clary, Joseph F., J. D. Cuccio, A. G. Dean, N. W. Fesmire, T. D. MacLafferty, W. L. Sheppard, P. O. Sichert, Jr., and J. H. Squier, to The Budd Co. Gas Turbine railway car. 205,105, 6–21–66, Cl. D66—1.

Classic Industries, Inc.: *See*—
Bergman, Samuel R. 204,068.
Power, John M. 203,841.

Clausen, Charles C. Outdoor barbecue stove. 205,202, 7–5–66, Cl. D81—10.

Claussen, Donald F., to Armstrong Cork Co. Panel. 206,119, 11–1–66, Cl. D18—2.

Clayton Corp., The: *See*—
Huling, James K. 204,213.
Huling, James K. 204,214.

Clayton, Elon M. Pillow. 205,881, 10–4–66, Cl. D3—9.

Clayton, Fred W.: *See*—
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Clayton, La Verne E., to Amerock Corp. Hinge. 203,971, 3–8–66, Cl. D10—9.

Clayton, La Verne E., to Amerock Corp. Pull. 204,128, 3–22–66, Cl. D10—8.

Clayton, LaVerne E., to Amerock Corp. Hinge. 204,236, 4–5–66, Cl. D10—9.

Clayton, La Verne E., to Amerock Corp. Pull or the like. 204,450, 4–19–66, Cl. D10—8.

Clayton, La Verne E. Knob. 204,931, 5–31–66, Cl. D10—8.

Clayton, La Verne E., to Amerock Corp. Door handle. 205,029, 6–14–66, Cl. D10—8.

Clayton, LaVerne E., to Amerock Corp. Knob. 205,130, 6–28–66, Cl. D10—8.

Clayton, La Verne E., to Amerock Corp. Pull. 205,348, 7–26–66, Cl. D10—8.

Clayton, La Verne E., to Amerock Corp. Pull. 205,349, 7–26–66, Cl. D10—8.

Clayton, La Verne E., to Amerock Corp. Pull. 205,886, 10–4–66, Cl. D10—8.

Clayton, La Verne E., to Amerock Corp. Pull. 205,888, 10–4–66, Cl. D10—8.

Clayton, LaVerne E., to Amerock Corp. Handle for cabinets and the like. 206,059, 10–25–66, Cl. D10—8.

Clayton, LaVerne E., to Amerock Corp. Knob. 206,147, 11–8–66, Cl. D10—8.

Clayton, LaVerne E., to Amerock Corp. Pull. 206,148, 11–8–66, Cl. D10—8.

Clayton, LaVerne E., to Amerock Corp. Pull. 206,149, 11–8–66, Cl. D10—8.

Clayton, LaVerne E., to Amerock Corp. Knob. 206,150, 11–8–66, Cl. D10—8.

Clayton, LaVerne E., to Amerock Corp. Pull. 206,151, 11–8–66, Cl. D10—8.

Cleartone Reproductions Corp.: *See*—
Snepvangers, Rene. 204,676.

Clement, Carl J., Jr., to Spectra-Physics, Inc. Gas laser. 206,163, 11–8–66, Cl. D26—14.

Clement, Joseph J., to Rigidized Metals Corp. Decorated metal sheet. 204,160, 3–22–66, Cl. D54—2.

Clemente, Waldemar. Combination mixer and grinder appliance. 206,388, 12–6–66, Cl. D44—1.

Clementi, Leonard, to Cannon Mills Co. Towel. 206,478, 12–13–66, Cl. D92—26.

Clements, Edwin F. Hydrotherapeutic massage unit. 206,417, 12–6–66, Cl. D83—1.

Clifton, John R.: *See*—
Henry, Frederick D., and Clifton. 205,328.

Cline, Duane D. Hat protecting case. 205,909, 10–4–66, Cl. D58—12.

Cline, Jackie D.: *See*—
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Cline, John H. and J. D. Lug wrench brace. 204,316, 4–5–66, Cl. D54—13.

Cline, Ted L. Hitch pin. 205,309, 7–19–66, Cl. D54—9.

Club Aluminum Products Co.: *See*—
Hvale, James L. 203,549.
Hvale, James L., and Yamada. 203,613.

Clugston, George D. Cattle feeder. 205,655, 9–6–66, Cl. D12—2.

Coanda, George. Medical hypodermic syringe piston. 203,730, 2–8–66, Cl. D83—12.

Cocherell, Richard B. Dental syringe. 204,267, 4–5–66, Cl. D24—1.

Cody, Delbert A. Mounting chassis for modular radio components for aircraft or similar article. 204,885, 5–24–66, Cl. D26—14.

Coe, Thomas D. Heatsink. 203,543, 1–25–66, Cl. D26—8.

Coe, Thomas D., to Wakefield Engineering Co., Inc. Heat sink. 205,770, 9–20–66, Cl. D26—1.

Cohen, Felix. Riding type ski. 205,296, 7–19–66, Cl. D34—15.

Cohen, Felix. Riding-type ski. 205,297, 7–19–66, Cl. D34—15.

Cohen, Howard S., and G. Palais; ½ to Cincinnati Industries, Inc., ½ to Titan Molders Corp. Molded guitar carrying case shell. 205,723, 9–13–66, Cl. D56—1.

Cole, Carl C.: *See*—
Voorhees, Anson W., Jr., and Cole. 205,867.

Cole, Norman R., and P. A. Duryee. Heating stove. 206,202, 11–8–66, Cl. D81—10.

Cole, Richard C. Longitudinally stepped cathedral boat. 204,522, 4–19–66, Cl. D71—1.

Cole, Richard C. Cathedral boat. 204,523, 4–19–66, Cl. D71—1.

Coleco Industries, Inc.: *See*—
Greenberg, Leonard E., and Diemond. 205,852.

Colella, Alfred S. Coin wrapper. 205,317, 7–19–66, Cl. D58—12.

Coleman Co., Inc., The: *See*—
Little, Ellwood E. 204,197.

Coleman, Donald L. Novelty golf ball trophy. 204,278, 4–5–66, Cl. D34—5.

Coleman Instruments Corp.: *See*—
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Colgate-Palmolive Co.: *See*—
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Douglas, Livingston C. 205,864.
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Koenigsberg, Victor. 205,423.
Koenigsberg, Victor. 206,292.
Peters, Wallace W. 206,248.

Collings, Thomas J. High intensity clip lamp. 204,792, 5–17–66, Cl. D48—20.

Collins, Harry J., Jr., and A. W. Krieger, to Cutler-Hammer, Inc. Operating lever for an electrical switch. 204,058, 3–15–66, Cl. D26—13.

Collins, Harry J., Jr., and A. W. Krieger, to Cutler-Hammer, Inc. Operating lever for an electrical switch. 204,059, 3–15–66, Cl. D26—13.

Collins, Harry J., Jr., C. C. Davis, and R. L. Erickson, to Cutler-Hammer, Inc. Electrical pushbutton switch unit. 206,225, 11–15–66, Cl. D26—13.

Columbia Broadcasting System, Inc.: *See*—
Fender, Clarence L. 206,404.
Wistrand, John C. 205,634.

Columbus Plastics Products, Inc.: *See*—
Johnson, Roland E. 204,783.

Colver, Robert L. Microwave oven. 203,747, 2–15–66, Cl. D16—2.

Combs, Kelly M. Policeman's riot prod. 205,456, 8–9–66, Cl. D30—1.

Commons, Ward T. Three-wheeled swamp buggy with forward cab. 205,836, 9–27–66, Cl. D14—3.

Commons, Ward T. Hopper-carrying three-wheeled swamp buggy. 205,837, 9–27–66, Cl. D14—3.

Compco Corp.: *See*—
Zeitz, Arthur E. 204,558.

Conde, Jose A., to The Vendo Co. Beverage dispensing machine. 205,306, 7–19–66, Cl. D52—3.

Conman, Maxwell H. Clip for an electric light bulb socket. 204,375, 4–12–66, Cl. D17—3.

Conn, C. G., Ltd.: *See*—
Wolfanger, Curt R. R. 206,555.

Conner, James M., and H. Dreyfuss, to Polaroid Corp. Photographic camera, or similar article. 204,834, 5–17–66, Cl. D61—1.

Connor, Kenneth W.: *See*—
Hiser, William H. 203,599.

Conover, McClellan B. Key rack. 206,165, 11–8–66, Cl. D33—3.

Conover, McClellan B. Key rack. 206,166, 11–8–66, Cl. D33—3.

Consolidated Merchandising Corp.: *See*—
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Consoweld Corp.: *See*—
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Container Corp. of America: *See*—
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Kossnar, Dennis J. 204,961.
Kossnar, Dennis J. 204,962.
Kossnar, Dennis J. 204,968.

Continental Can Co., Inc.: *See*—
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Hayford, Warren J. 206,412.
Khoury, Nick S. 203,713.
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Melind, Jay E. 204,424.
Szajna, John L. 204,171.

Continental Oil Co.: *See*—
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Continental Scale Corp.: *See*—
Reinecke, Jean O., and Hutchinson. 205,157.
Reinecke, Jean O., and Hutchinson. 205,158.
Reinecke, Jean O., and Hutchinson. 205,159.
Reinecke, Jean O., and Hutchinson. 205,160.
Reinecke, Jean O., and Hutchinson. 205,161.

Contour Chair-Lounge Co., Inc.: *See*—
Ferro, Arthur C. 205,767.

Convenient Food Mart, Inc.: *See*—
Kane, Robert T. P. 205,279.

Conway, Daniel M., and S. S. Martin, to Morton Salt Co. Salt block. 203,436, 1–11–66, Cl. D12—2.

Conway, William F.: *See*—
Rowland, Donald G., Conway, and Green. 205,328.

Conway, William N., to Draper Corp. Loom beam support bracket. 203,797, 2–15–66, Cl. D92—15.

Conway, William N., to Draper Corp. Loom beam support bearing. 203,798, 2–15–66, Cl. D92—15.

Conway, William N., to Draper Corp. Loom wind-up ratchet. 204,970, 5–31–66, Cl. D92—15.

Cook Chocolate Co.: *See*—
Opler, Edmond. 203,728.

Cook, William J., to General Electric Co. Automatic clothes brush or similar article. 203,580, 2–1–66, Cl. D9—2.

Cook, William J., to General Electric Co. Automatic clothes brush recharger and storage device or similar article. 204,881, 5–24–66, Cl. D26—1.

Coon, Herb. Garment hanger. 205,113, 6–21–66, Cl. D80—8.

Cooper, George D. Outdoor light fixture. 203,865, 2–22–66, Cl. D48—20.

Cooper, George D. Housing for an indoor light fixture or the like. 205,786, 9–20–66, Cl. D48—20.

Cooper, Leon M.: *See*—
Noyes, Elliot, Cooper, and Wyma. 203,674.

Corcoran, William J.: *See*—
Sawyer, Sidney, and Corcoran. 204,529.

Cordell, Carl R., Jr., to James Heddon's Sons. Artificial fish bait. 203,398, 1–4–66, Cl. D31—4.

Cordrey, Carl E. Velocipede. 206,127, 11–1–66, Cl. D34—15.

Cordrey, Carl E. Velocipede. 206,128, 11–1–66, Cl. D34—15.

Corella, Arthur P., and W. S. Schneider. Dispensing container with flexible walls. 205,635, 8–30–66, Cl. D58—2.

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Corlin, Sid. Bicycle handlebar grip or similar article. 204,119, 3–15–66, Cl. D90—11.

Corlin, Sid. Pedal ornament. 204,120, 3–15–66, Cl. D90—11.

Corlin, Sid. Bicycle handlebar grip or similar article. 204,183, 3–22–66, Cl. D90—11.

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Cornelius, Richard T., to The Cornelius Co. Beverage dispensing tank, or similar article. 205,750, 9–20–66, Cl. D2—3.

Cornelius, Richard T., to The Cornelius Co. Beverage dispensing tank, or similar article. 205,825, 9–27–66, Cl. D2—3.

Cornford, Frederick D.: *See*—
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Cornwell, Ross E., and N. A. Steinkamp, to Sunbeam Corp. Combined waffle baker and grill. 204,580, 4–26–66, Cl. D81—10.

Cornwell, Ross E., Jr., and F. J. Disess, Jr., to Sunbeam Corp. Frypan or the like. 205,150, 6–28–66, Cl. D44—1.

Cortina, Anthony. Container edge supportable paint brush holder. 203,578, 2–1–66, Cl. D9—2.

Costantini, Anthony R., and A. Di Angelus, to Victory Metal Mfg. Corp. Refrigerator cabinet or similar article. 205,107, 6–21–66, Cl. D67—3.

Cottier, Seton, R. A. Jones, and E. Wittner, to International Business Machines Corp. Display console. 203,986, 3–8–66, Cl. D26—5.

Cottier, Seton, C. F. Graser, and J. E. Stork, to International Business Machines Corp. Cabinet for electronic equipment. 205,067, 6–21–66, Cl. D26—5.

Coulson, Lawrence A. Combination massager and dispenser. 204,581, 4–26–66, Cl. D83—1.

Cournoyer, Hector S. Hair styling tool. 206,476, 12–13–66, Cl. D86—8.

Courson, Iber C., to Westinghouse Electric Corp. Operating handle for a vending machine or similar article. 203,818, 2–22–66, Cl. D10—8.

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Cowan, Murray L. End link for a watch bracelet or similar article. 204,555, 4–26–66, Cl. D45—4.

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Cowan, Murray L., to Textron Inc. End link for a watch bracelet or similar article. 205,717, 9–13–66, Cl. D45—4.

Cowen, Theodore A., Jr., to Belvedere Products Inc. Upholstered chair. 205,707, 9–13–66, Cl. D15—1.

Cox, Austin E., to H-P Products, Inc. Vacuum cleaner nozzle. 203,809, 2–22–66, Cl. D9—2.

Cox, Austin E., to Dominion Electric Corp. Combined holder and charging unit for electric toothbrush or the like. 205,396, 8–2–66, Cl. D4—3.

Cox, Austin E., to Dominion Electric Corp. Electric iron. 206,396, 12–6–66, Cl. D49—1.

Cox, Richard S.: *See*—
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Cramer Industries, Inc.: *See*—
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Crawford, Charles P. Combined spotlamp and rotatable color beacon. 206,180, 11–8–66, Cl. D48—20.

Crawford, Elsie. Light fixture. 203,405, 1–4–66, Cl. D48—23.

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Crawford, Ralph W., to Fisher-Price Toys, Inc. Action toy. 203,685, 2–8–66, Cl. D34—15.

Crawford, Ralph W., to Fisher-Price Toys, Inc. Toy television set. 204,143, 3–22–66, Cl. D34—15.

Crawford, Robert J., and B. H. Oldfield. Building. 204,666, 5–10–66, Cl. D13—1.

Crawford, William E. Wall ornament. 205,515, 8–16–66, Cl. D29—23.

Crease, Pierre L., to The National Cash Register Co. Controller cabinet for data processing system or similar article. 206,438, 12–13–66, Cl. D26—5.

Crease, Pierre L., and R. E. Schaefer, to The National Cash Register Co. Cash register or similar article. 204,418, 4–12–66, Cl. D52—4.

Crease, Pierre L., and D. M. Streiff, to The National Cash Register Co. Adding machine or similar article. 205,809, 9–20–66, Cl. D64—11.

Creative Displays, Inc.: *See*—
Taub, Ronald H. 204,528.
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Crepinsek, Alois, to 777 Lock & Engineering Corp. Door handle. 203,407, 1–4–66, Cl. D50—3.

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Crisfield, Lloyd F. Brooch or similar article. 205,857, 9–27–66, Cl. D45—19.

Cronheim, Richard B. High intensity lamp. 205,785, 9–20–66, Cl. D48—20.

Cronin, Daniel A., Jr., to The Macbick Co. Disposable bulb syringe for medical and surgical irrigation. 206,039, 10–18–66, Cl. D83—12.

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Cuccio, John D., and R. A. Chieda, to International Telephone and Telegraph Corp. Handsfree telephone. 206,227, 11–15–66, Cl. D26—14.

Cullen, Max O. Refrigerated meat display case. 203,489, 1–11–66, Cl. D80—11.

Cumming, James D. Adhesive bandage. 205,575, 8–16–66, Cl. D83—1.

Cumming, Kenneth J., to Honeywell Inc. Indicating instrument. 206,550, 12–27–66, Cl. D52—6.

Cummings, Clinton M., to The Acme Shear Co. Suture cutter. 204,853, 5–17–66, Cl. D83—12.

Cummings, Clinton M., to The Acme Shear Co. Hemostat. 204,854, 5–17–66, Cl. D83—12.

Cuomo, Joseph. Fire alarm cabinet or similar article. 205,021, 6–7–66, Cl. D72—1.

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Loehlein, Harold J., and Curran. 204,530.

Curry, William E. Lamp. 204,899, 5–24–66, Cl. D48—20.

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Curtis, William M., to Corning Glass Works. Mug or the like. 204,146, 3–22–66, Cl. D44—9.

Curtis, William M., to Corning Glass Works. Plate or similar article. 204,149, 3–22–66, Cl. D44—15.

Curtis, William M., to Corning Glass Works. Covered casserole dish or the like. 204,150, 3–22–66, Cl. D44—15.

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Collins, Harry J., Jr., and Krieger. 204,058.
Collins, Harry J., Jr., and Krieger. 204,059.

Cutler, Lois C., and E. Manfred. Disposable tooth brush. 205,281, 7–19–66, Cl. D9—2.

Czasonis, John L., to The International Silver Co. Bread tray or the like. 203,614, 2–1–66, Cl. D44—10.

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Dailey, Donald E., to Shampaine Industries, Inc. Physician's examining table. 204,222, 3–29–66, Cl. D83—1.

Dalsgaard, Carl H. Dispensing tube. 204,426, 4–12–66, Cl. D58—17.

Dalton, William F., and W. F. Kraus, to International Business Machines Corp. Cabinet for electronic equipment. 203,542, 1–25–66, Cl. D26—5.

Dalton, William F., A. M. Davis, W. F. Kraus, and W. S. McCormick, Jr., to International Business Machines Corp. Cabinet for electronic equipment. 205,510, 8–16–66, Cl. D26—5.

Dalton, William F., W. F. Kraus, and W. S. McCormick, Jr., to International Business Machines Corp. Cabinet for a computer. 205,511, 8–16–66, Cl. D26—5.

Dalton, William F., W. F. Kraus, and W. S. McCormick, Jr., to International Business Machines Corp. Computer cabinet. 205,512, 8–16–66, Cl. D26—5.

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Danz, Ellworth R., and R. J. Szalek, to General Time Corp. Clock. 205,145, 6–28–66, Cl. D42—7.

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Klimkiewicz, Daniel A. 206,526.

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Werner, Frank D., Darr, Nado, and Petersen. 205,057.

Darrah, James G., and W. H. Lloyd, to Varian Associates. Vacuum leak detector probe or similar article. 205,138, 6–28–66, Cl. D26—1.

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Davies, John W., III, to Gilson Bros. Co. Implement handle. 204,005, 3–8–66, Cl. D35—2.

Davies, John W., III, to Gilson Bros. Co. Tiller housing. 206,274, 11–22–66, Cl. D40—1.

Davies, Mervin T., to FMC Corp. Frozen confection. 205,572, 8–16–66, Cl. D82—2.

Davis, Alice, 50% to N. M. Briskin, and K. S. Goldfarb. Lady's hat, or the like. 205,180, 7–5–66, Cl. D3—13.

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Dalton, William F., Davis, Kraus, and McCormick. 205,511.

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Davis, Daniel N. Spare tire bracket. 206,185, 11–8–66, Cl. D54—1.

Davis, Howard M. Building block. 203,590, 2–1–66, Cl. D18—2.

Davis, James M., Jr. Feeding tray for caged animals. 204,601, 5–3–66, Cl. D12—2.

Davis, John D., to Loma Industries. Utility pail. 204,507, 4–19–66, Cl. D58—17.

Davis, John N., to General Electric Co. Housing for an electrical transformer. 203,834, 2–22–66, Cl. D26—15.

Davis, John S. Combination carpet and linoleum cutter. 204,635, 5–3–66, Cl. D54—13.

Davis, Paul, to Sweetheart Plastics, Inc. Plastic container for dairy products or the like. 204,212, 3–29–66, Cl. D58—17.

Davis, Ralph B., and E. L. Kovacs, to Heinemann Electric Co. Circuit breaker. 204,386, 4–12–66, Cl. D26—13.

Davis, Walter T. Door latch assembly. 204,685, 5–10–66, Cl. D50—5.

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Day, Maurine. Head band. 205,576, 8–16–66, Cl. D86—10.

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De Andre, Rudolph M. Bootjack. 204,230, 4–5–66, Cl. D7—2.

De Angelis, Armand, to Omnitech Inc. Heat exchange inhalation mask. 203,912, 2–22–66, Cl. D83—1.

De Boer, Albert H., R. I. Franklin, and M. B. Sturgis; said De Boer assor. to said Franklin and said Sturgis. Beverage dispenser. 205,211, 7–12–66, Cl. D2—3.

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De Fano, Dominic J., and R. I. Kallman, to McGraw-Edison Co. Electric knife handle or similar article. 205,942, 10–11–66, Cl. D22—3.

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De Jersey, David C. Waffle cooking plate. 204,846, 5–17–66, Cl. D81—10.

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Demler, Henry W., Sr., to AMP Inc. Coaxial crimping tool. 205,162, 6–28–66, Cl. D54—13.

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Deskey, Donald, and A. Lurkis. Outdoor light post. 206,394, 12–6–66, Cl. D48—31.

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Bixler, Kenneth D., and Ralphs. 205,483.
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Kennedy, Thomas B., and Lord. 204,169.
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Diamond, Jack. High pressure spray cleaning unit for vehicles or the like. 204,489, 4–19–66, Cl. D49—2.

Diamond, Jack. High pressure spray cleaning unit for vehicles or the like. 204,490, 4–19–66, Cl. D49—2.

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Di Nuccio, Camillo. Picture hanger. 203,538, 1–25–66, Cl. D17—12.

Di Petrillo, Philomena F., and E. V. Merlan. Container for the immersion of contact lenses. 204,162, 3–22–66, Cl. D57—1.

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Doman, Donald W., to Snap-On Tools Corp. Tool chest or similar article. 205,522, 8–16–66, Cl. D33—19.

Doman, Donald W., to Snap-On Tools Corp. Wheeled tool chest or similar article. 205,523, 8–16–66, Cl. D33—19.

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Cox, Austin E. 206,396.
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Donald, Robert E., to Houdaille Industries, Inc. Punching machine, or similar article. 203,626, 2–1–66, Cl. D55—1.

Donoghue, Florence F., to Draper Corp. Loom pick arm. 204,926, 5–24–66, Cl. D92—15.

Donovan, Donald W. Packaging tray. 206,497, 12–20–66, Cl. D58—12.6.

Donovan, Leo, Co.: *See*—
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Donovan, Robert L., and G. R. Schmidt, to Leo Donovan Co. Illuminable outdoor advertising display structure. 205,917, 10–4–66, Cl. D80—1.

Dormer, Richard S.: *See*—
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Doss, Nolon M., Sr. Chair for reverse sitting. 206,434, 12–13–66, Cl. D15—1.

Doty, Dale E. Combination weather vane, name plate and yard ornament. 205,460, 8–9–66, Cl. D35—1.

Doty, George I.: *See*—
Logan, Hugh H., Doty, and Alfultis. 204,057.

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Douglas Aircraft Co., Inc.: *See*—
Hamilton, Vern E. 205,195.

Douglas, David, to East Wisconsin Trustee Co. of Manitowoc. Beverage server. 203,852, 2–22–66, Cl. D44—21.

Douglas, David. Coffee maker. 203,854, 2–22–66, Cl. D44—26.

Douglas, David, to East Wisconsin Trustee Co. of Manitowoc. Combined candle holder and candle therefor. 205,300, 7–19–66, Cl. D48—2.

Douglas, Livingston C., to Colgate-Palmolive Co. Bottle or similar article. 203,418, 1–4–66, Cl. D58—9.

Douglas, Livingston C., to Colgate-Palmolive Co. Bottle or similar article. 205,864, 9–27–66, Cl. D58—9.

Douglas, William A., to The Mira Corp. Portable electric power drill. 203,700, 2–8–66. Cl. D54—14.

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Sharp, Robert E. A. 206,407.
Swayze, Clark E. 203,950.
Swayze, Clark E. 205,551.
Trombley, Bertrand N. 203,942.
Trombley, Bertrand N. 204,474.

Dowit, Harold C. Holder for kitchen tools or the like. 203,550, 1–25–66, Cl. D44—29.

Dowit, Harold C. Thumb tack. 203,876, 2–22–66, Cl. D54—9.

Dowit, Harold C. Container opener or similar article. 206,278, 11–22–66, Cl. D44—29.

Downing, James R., and A. E. Martin, to Light Products, Inc. Portable light for outdoor use. 204,304, 4–5–66, Cl. D48—24.

Downs, Jassev: *See*—
Husselman, Charles R., Sampson, Smith, and Downs. 203,812.

Drabble, Dolores A.: *See*—
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Drabble, Kenneth I., deceased, by D. A. Drabble, administratrix, to United Hydro-Dynamics Corp. Hydrofoil vehicle. 205,488, 8–9–66, Cl. D71—1.

Drabkowski, Alexander J. Dental topical arch tray. 205,895, 10–4–66, Cl. D24—1.

Draheim, Werner E. Table pad for washing and dressing infants. 204,737, 5–17–66, Cl. D4—4.

Drake, Eugene E. Safety pin or the like. 204,857, 5–17–66, Cl. D86—10.

Drake, Thomas W. Fish hook remover. 205,664, 9–6–66, Cl. D31—4.
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Conway, William N. 203,798.
Conway, William N. 204,970.
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Dreibholz, Egon to Frobana, Firma KG. Shoe polishing machine or the like. 206,054, 10–25–66, Cl. D9—2.
Dresser, John R., to The Chicago Hardware Foundry Co. Table. 206,332, 11–29–66, Cl. D33—14.
Drew, Jesse W. Log turner or similar article. 206,108, 10–25–66, Cl. D81—24.
Dreyer, Frank: *See*—
Volker, Edwin A., Hartmann, and Dreyer. 204,461.
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Bartley, Keith D., Dreyfuss, and Prescott. 204,056.
Budrendorg, Frederick G., Dreyfuss, and Loosme. 205,878.
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Conner, James M., Dreyfuss, 204,834.
Dreyfuss, Henry, and L. J. Gabbard, to Bell Telephone Laboratories, Inc. Combined telephone handset support and equipment housing or similar article. 203,544, 1–25–66, Cl. D26—14.
Dreyfuss, Henry, H. W. McCune, and C. Tanis, to Bell Telephone Laboratories, Inc. Combined telephone handset desk stand and compartmented tray or similar article. 205,140, 6–28–66, Cl. D26—14.
Dreyfuss, Henry, and C. W. Pelly, to Deere & Co. Disk harrow. 205,234, 7–12–66, Cl. D39—1.
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Drugan, Wayne A., and M. J. Laub, to Drugan-Severson, Inc. Sign holder for shopping cart handles or the like. 205,177, 7–5–66, Cl. D1—12.
Drummond, Archie G., Jr.: *See*—
Immermann, Milton, Drummond, Vanderhyde, Fogle, Sweet, and Payne. 205,868.
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Duckert, Axel D., to Dansk Gummi Industri v/Axel Duckert. Shoe sole. 203,530, 1–25–66, Cl. D7—5.
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Dumbrell, Geoffrey N. Animal ear tag. 204,237, 4–5–66, Cl. D12—2.
Dumbrell, Geoffrey N. Animal ear tag. 204,238, 4–5–66, Cl. D12—2.
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Dungard, Inc.: *See*—
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Dunn, Lyman D., and S. Gembicki, to Marlan Co. Vending machine for laminating sheet or card-like articles. 205,468, 8–9–66, Cl. D52—3.
Dunn, Walter A. Tie holder. 206,270, 11–22–66, Cl. D33—8.
Dunning, Fred R., to Dungard, Inc. Face guard for a helmet. 204,730, 5–17–66, Cl. D3—13.
Dunning, Fred R., to Dungard, Inc. Face guard for a helmet. 204,731, 5–17–66, Cl. D3—13.
Dunning, Fred R., to Dungard, Inc. Face guard for a helmet. 204,927, 5–31–66, Cl. D3—13.
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Duppstadt, Jay R., and C. M. Seibel, to Bell Aerospace Corp. Helicopter. 205,110, 6–21–66, Cl. D71—1.
Du Pree, Ernest L. Combined decanter and closure therefor. 204,570, 4–26–66, Cl. D58—6.
Du Pree, Ernest L. Combined decanter and closure therefor. 204,571, 4–26–66, Cl. D58—6.
Du Pree, Ernest L. Combined decanter and closure therefor. 204,572, 4–26–66, Cl. D58—8.
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Spar, Irwin W., and Durand. 206,090.
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Dykes, Willie M., Jr. Combined shaving brush and dispenser. 205,127, 6–28–66, Cl. D9—2.
Dym, Joseph B. Safety lens attachment. 203,949, 3–1–66, Cl. D57—1.
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Eberhart, David. Warming stand. 204,409, 4–12–66, Cl. D44—10.
Echinger, Otto. Marquisette woven textile fabric. 205,608, 8–23–66, Cl. D92—1.
Eckelman, David B., to Interstate Bakeries Corp. Cake or the like. 206,429, 12–13–66, Cl. D8—1.
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Eichler, Edwin H. Restaurant building. 205,931, 10–11–66, Cl. D13—1.
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Rosen, Charles I. 206,083.
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Emhoff, Michael. Display stand. 205,977, 10–11–66, Cl. D80—9.
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Emmet, Ruth F., and K. M. Laster, to International Latex Corp. Net hat covering. 205,056, 6–21–66, Cl. D3—13.
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Federico, Joseph B., to White-Rodgers Co. Casing for a thermostat, or the like. 205,006, 6–7–66, Cl. D52—7.
Federighi, George J. Bottle. 206,463, 12–13–66, Cl. D58—8.
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Feliziani, Mauro A., to Hopeman Brothers, Inc. Metal grating. 205,891, 10–4–66, Cl. D13—1.
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Felske, Arthur M., and W. V. Judson, to General Electric Co. Clock or similar article. 203,688, 2–8–66, Cl. D42—7.
Felt, Robert, and L. Ratner. Sports game score recorder or similar article. 205,228, 7–12–66, Cl. D34—5.

Fender, Clarence L., to Fender Electric Instruments Co. Inc. Vibrato device for guitars. 204,098, 3–15–66, Cl. D56—1.
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Fern, Geoffrey B. Beam. 205,282, 7–19–66, Cl. D13—1.
Ferreira, Antonio D. M. G. Combined illuminable map, tourist guide and advertising cabinet. 203,906, 2–22–66, Cl. D80—11.
Ferri, Giampiero, and J. Marinal. Toy revolver. 205,365, 7–26–66, Cl. D34—15.
Ferris, James M. Drink mixer or the like. 204,997, 6–7–66, Cl. D44—1.
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Fiorentino, Arthur A., and H. Landell, to Speakman Co. Shower head or similar article. 206,043, 10–18–66, Cl. D91—3.
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Fischer, Richard, to Braun Aktiengesellschaft. Motor base for kitchen appliances. 204,408, 4–12–66, Cl. D44—1.
Fischer, Robert L.: *See*—
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Fisher, Edward L., to Heller Industries, Inc. Display stand. 205,387, 7–26–66, Cl. D80—9.
Fisher, Gerald C.: *See*—
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FitzGerald, Hubert J., to Armstrong Cork Co. Hard surface floor covering or similar article. 203,922, 2–22–66, Cl. D92—17.
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Flury, Karl. Air humidifier. 204,328, 4–5–66, Cl. D62—4.
Flury, Karl. Air humidifier. 204,965, 5–31–66, Cl. D62—4.
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Ford, Ronald K., to Eldon Industries, Inc. Starting signal for road race sets. 204,003, 3–8–66, Cl. D34—15.
Ford, Ronald K., to Eldon Industries, Inc. Timing and counting device. 205,156, 6–28–66, Cl. D52—1.
Ford, Roy J. and B. R. Mobile advertising sign. 205,210, 7–12–66, Cl. D1—12.
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Foster, Thomas H., B. W. Kersten, and J. W. Bartley, to Teledex Inc. Boat rudder position indicator or similar article. 206,105, 10–25–66, Cl. D71—1.
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Fowler, Norman H., to Forest Products Corp. Combined bed and bookcase unit. 206,427, 12–13–66, Cl. D5—4.
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Fox, Eugene R., to Cat-A-Gator Corp. Motor vehicle. 206,320, 11–29–66, Cl. D14—3.
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Frazer, James K., to Glamorene, Inc. Applicator for dry-cleaning rugs and the like. 203,969, 3–8–66, Cl. D9—2.
Frazier, Orville Z. Combined rotisserie and hot air engine. 205,570, 8–16–66, Cl. D81—10.
Frazier, Orville Z. Rotisserie hot air engine. 205,605, 8–23–66, Cl. D77—1.
Frazier, Preston J., Jr., to Faroy, Inc. Candle cup. 204,556, 4–26–66, Cl. D48—2.
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Frei, Arthur J., Sr., to General Motors Corp. Ice tray. 203,717, 2–8–66, Cl. D67—3.
French, Donald T. Combined reflector and grille for automobiles. 204,255, 4–5–66, Cl. D14—18.
French, Paul F., to Sperry Rand Corp. Control panel for a computer plug board. 204,882, 5–24–66, Cl. D26—5.
Fresard, Marcel, to Mefina S.A. Free arm sewing machine. 206,297, 11–22–66, Cl. D70—1.
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Fried, Jack. Bicycle. 206,566, 12–27–66, Cl. D90—8.
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Friedman, Simon L. Coin holder for a key chain or the like. 203,737, 2–8–66, Cl. D87—3.

Friedman, Theodore, to Sunbeam Corp. Mixer. 204,069, 3–15–66, Cl. D44—1.
Fritz, Roger, ⅛ to N. R. Tufvesson and ⅛ to S. H. Tufvesson. Combination ice scraper and auxiliary sun visor. 204,248, 4–5–66, Cl. D14—6.
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Fryer, Edward R., to General Motors Corp. Dump body. 204,604, 5–3–66, Cl. D14—3.
Fudro, Stanley J. Combination motor for rotating and coloring an egg, and holder therefor. 203,579, 2–1–66, Cl. D9—2.
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Fulbright, John T., ½ to E. A. Johnson. Flexible fence post. 204,763, 5–17–66, Cl. D28—1.
Fulchiron, Jean, to H. F. Verreries. Package of goblets. 204,819, 5–17–66, Cl. D58—2.
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Gabriel, Lena P., to Cardel Mfg. Inc. Party hat or similar article. 204,973. 6–7–66, Cl. D3—13.
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Gantner, Robert J. Combined dispenser and receptacle. 206,099, 10–25–66, Cl. D58—17.
Gantz, Carroll M., and R. H. Hose, to The Hoover Co. Power unit for a blender or the like. 204,224, 3–29–66, Cl. D89—1.
Gantz, Carroll M., and R. H. Hose, to The Hoover Co. Power driven surface treating tool. 205,584, 8–23–66, Cl. D9—2.
Garay, Miguel A., and W. G. Everett, to P. L. Struebing, and M. A. Garay. Rim coaster for glasses or similar article. 206,238, 11–15–66, Cl. D44—29.
Gardella, John M., and R. Vetere, to The S. S. White Dental Mfg. Co. Dental chair or similar article. 206,532, 12–27–66, Cl. 15—3.
Gardner, Edgar E., to W. S. Tyler, Inc. Vibrating screen. 203,480, 1–11–66, Cl. D55—1.
Gardner, Norman, to Joy Plastics, Inc. Drainage tray for sink or the like. 205,833, 9–27–66, Cl. D9—6.
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Geisinger, George, to The Thomas & Betts Co. Self locking bundling strap. 204,261, 4–5–66, Cl. D17—5.
Geisinger, George, to The Thomas & Betts Co. Bundling strap. 204,262, 4–5–66, Cl. D17—5.
Geisinger, George, to The Thomas & Betts Co. Self-locking bundling strap. 204,545, 4–26–66, Cl. D17—5.
Geller, Rodger E., to General Motors Corp. Steering wheel. 203,389, 1–4–66, Cl. D14—30.
Geller, Rodger E., to General Motors Corp. Steering wheel. 203,390, 1–4–66, Cl. D14—30.
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Geller, Rodger E., to General Motors Corp. Steering wheel. 203,816, 2–22–66, Cl. D14—30.
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Gingher, Carl E. Wall rack or similar article. 203,511, 1–18–66, Cl. D33—8.
Gingher, Carl E. Clothes hanger. 204,578, 4–26–66, Cl. D80—8.
Gingher, Carl E. Triangular tubular member for slidably supporting clothing hooks and similar articles. 204,889, 5–24–66, Cl. D33—8.
Gingher, Carl E. Suspension hook for a clothes hanger rod. 205,775, 9–20–66, Cl. D33—8.
Gingras, William P., to Documentation Inc. Housing for a portable viewer. 205,103, 6–21–66, Cl. D61—1.
Girard, Peter F., to The Ryan Aeronautical Co. Rotary wing VTOL aircraft with tiltable secondary wing. 203,523, 1–18–66, Cl. D71—1.
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Glaberson, Martin, to Eversharp, Inc. Safety razor case. 203,561, 1–25–66, Cl. D58—12.
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Glass, Marvin I., and J. H. Appleton, to Marvin Glass & Associates. Pair of novelty sunglasses. 204,696, 5–10–66, Cl. D57—1.
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Goldman, Alfred, and R. Spooner. Drawing guide. 204,017, 3–8–66, Cl. D52—6.
Goldman, Sidney. Ceramic tile unit. 205,660, 9–6–66, Cl. D18—2.
Goldwater, Barney L.: *See*—
Goldwater, Barney L., and Goldwater. 204,647.
Despres, Louis R., and Goldwater. Personnel and cargo underwater retrieval unit. 205,487, 8–9–66, Cl. D71—1.
Golub, Sidney, J. H. Bologna, B. Zeifman, and M. Roseman. Pinwheel support. 205,232, 7–12–66, Cl. D34—15.
Gonshorek, Milton, to The International Silver Co. Fork or similar article of flatware. 204,161, 3–22–66, Cl. D54—12.
Good, Wayne W., to Harter Corp. Support stand for an office machine. 205,621, 8–30–66, Cl. D33—14.
Good, Wayne W., to Harter Corp. Combined furniture pedestal and adjustable caster unit. 205,847, 9–27–66, Cl. D33—1.
Good, Wayne W., to Harter Corp. Safety stool. 206,379, 12–6–66, Cl. D15—8.
Goode, Godfrey P., to Ritter Co., Inc. Diathermy electrode. 204,531, 4–19–66, Cl. D83—1.
Goodhue, George L., to Armstrong Cork Co. Combined bottle and base therefor. 205,555, 8–16–66, Cl. D58—8.
Gooding, Elwyn R., to Ex-Cell-O Corp. Bottle. 206,193, 11–8–66, Cl. D58—6.
Gooding, Elwyn R., to Ex-Cell-O Corp. Bottle. 206,194, 11–8–66, Cl. D58—6.
Goodrich, B. F., Co., The: *See*—
Hoehne, George C. 204,667.
Hoehne, George C. 204,668.
Kunz, Gerald. 205,491.
MacWherter, George W. 205,432.
Mittenmyer, Glen L. 205,891.
Rowland, Donald G., Conway, and Green. 205,336.
Wittenmyer, Glen L. 205,890.
Goodrich, Jack R.: *See*—
Abend, Chester J., and Goodrich. 203,675.
Goodridge, Walter, to Flowerised Presentations, Inc. Christmas tree holder. 204,403. 4–12–66, Cl. D35—8.
Goodway Printing Co., Inc.: *See*—
Inazu, Allan T. 205,358.
Goodwin, Kenneth S., to Rebel Wheel Co., Inc. Automobile wheel. 204,669, 5–10–66, Cl. D14—30.
Gordon, Allan D. Display panel. 204,110, 3–15–66, Cl. D80—9.
Gordon, Ralph: *See*—
Lerner, George, and Gordon. 204,481.
Gore, Le Roy D.: *See*—
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Gorham Corp.: *See*—
Woodward, Frederick R. 204,077.
Gorton, George, Machine Co.: *See*—
Larsen, Charles A. 205,907.
Gorton, Robert E., to Magna Five, Inc. Portable sauna bath. 206,475, 12–13–66, Cl. D83—1.
Gott, Alan C. Plaster applicator. 203,694, 2–8–66, Cl. D51—1.
Gottesman, Elaine H., to Elstan Products, Inc. Holder tray for hair setting accessories. 204,356, 4–5–66, Cl. 86—10.
Gould, George J. Turtle pool. 204,766, 5–17–66, Cl. D31—3.
Gould, Jerome, to Campbell Soup Co. Bottle. 203,886, 2–22–66, Cl. D58—8.
Gould, Jerome, to Design Properties, Inc. Jug. 204,500, 4–19–66, Cl. D58—5.
Gould, Jerome, to Abbott Laboratories. Dispensing bottle. 205,732, 9–13–66, Cl. D58—8.
Gould, Jerome, to Abbott Laboratories. Dispensing bottle. 205,733, 9–13–66, Cl. D58—8.

Gould, Jerome, to Design Properties, Inc. Display box or similar article. 206,293, 11–22–66, Cl. D58—11.
Graber, Joseph V., and F. F. Salzmann, to Graber Mfg. Co., Inc. Curtain rod. 206,003, 10–18–66, Cl. D21—1.
Graber Mfg. Co., Inc.: *See*—
Graber, Joseph V., and Salzmann. 206,003.
Grace, W. R., & Co.: *See*—
Schurman, Peter T. 205,579.
Schurman, Peter T. 205,580.
Grad, Peter P., to Rotron Mfg. Co., Inc. Fan. 205,639, 8–30–66, Cl. D62—4.
Grae, Bernard A., and R. S. Cox, to Radio Corp. of America. Portable phonograph or similar article. 205,795, 9–20–66, Cl. D56—4.
Graf, Robert E.: *See*—
Noyes, Elliot F., Bevilacqua, and Graf. 206,319.
Graham, Vincent A. Fishing lure. 205,038, 6–14–66, Cl. D31—4.
Graham, William J., to J. M. Schine. Electrical scoreboard for golf practice apparatus. 205,362, 7–26–66, Cl. D34—5.
Grain Belt Supply Co., Inc.: *See*—
Husselman, Charles R., Sampson, Smith, and Downs. 203,812.
Grammer, Allen L. Book end. 203,600, 2–1–66, Cl. D33—3.
Grandinetti, Edward M. Lather dispenser. 203,695, 2–8–66, Cl. D52—2.
Graning Enameling Co.: *See*—
Graning, Thomas, Jr. 203,802.
Graning, Thomas, Jr., to Graning Enameling Co. Sink. 203,802, 2–22–66, Cl. D4—2.
Granite City Steel Co.: *See*—
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Graser, Clarence F.: *See*—
Cottler, Seton, Graser, and Stork. 205,067.
Giancarlo, Eugene N., and Graser. 203,825.
Grasmehr, Donald W. to The Tappan Co. Electronic oven. 204,112, 3–15–66, Cl. D81—10.
Gray, Charles A. Syringe piston. 205,269, 7–12–66, Cl. D83—12.
Gray, Charles A. Syringe. 205,270. 7–12–66, Cl. D83—12.
Gray, Joseph L., to Gray Mfg. Co., Inc. Vehicle unit. 204,009, 3–8–66, Cl. D41—1.
Gray Mfg. Co., Inc.: *See*—
Gray, Joseph L. 204,009.
Greatman, Sidney, to A & E Plastik Pak Co., Inc. Egg carton lid. 205,382, 7–26–66, Cl. D58—13.
Green, James M.: *See*—
Rowland, Donald G., Conway, and Green. 205,336.
Green, Joseph. Combined jack-o-lantern toy and container. 204,464, 4–19–66, Cl. D34—4.
Green, Leon. Novelty hat. 203,924, 3–1–66, Cl. D3—13.
Green, Walter A., to Lear Siegler, Inc. Heater. 203,908, 2–22–66, Cl. D81—19.
Green, William S. Golf score indicator. 205,077, 6–21–66, Cl. D34—5.
Greenberg, Harold J. Handle or similar article. 205,028, 6–14–66, Cl. D10—8.
Greenberg, Leonard E. Vehicle for snow or water. 203,606, 2–1–66, Cl. D34—15.
Greenberg, Leonard E. Play pool or similar article. 203,753, 2–15–66, Cl. D34—5.
Greenberg, Leonard E., and J. Diemond, to Coleco Industries, Inc. Play pool or similar article. 205,852, 9–27–66, Cl. D34—5.
Greenberg, Mal, to Meco, Inc. Rubber glove. 205,751, 9–20–66, Cl. D3—11.
Greenberg's, M., Sons: *See*—
Page, Edward. 206,041.
Greenwald, Harry: *See*—
Malek, Jack H., and Turner. 205,193.
Gregg, Charles E., to The Gregg Mfg. Co. Wall-mountable lamp. 204,300. 4–5–66, Cl. D48—4.
Gregg Mfg. Co., The: *See*—
Gregg, Charles E. 204,300.
Gregory, Roland W. Pitcher. 205,000, 6–7–66, Cl. D44—21.
Gregory, Roland W. Tumbler or the like. 206,339, 11–29–66, Cl. D44—9.
Gregory, Roland W. Cup. 206,340, 11–29–66, Cl. D44—9.
Gregory, Roland W. Cup. 206,341, 11–29–66. Cl. D44—9.
Gregory, Roland W. Bowl. 206,342, 11–29–66, Cl. D44—15.
Gregory, Roland W. Pitcher or the like. 206,343, 11–29–66, Cl. D44—21.
Gregory, Roland W. Pitcher or the like. 206,344, 11–29–66, Cl. D44—21.
Greider, Robert C. Claw conditioner for animals. 205,705, 9–13–66, Cl. D12—2.
Greiner Scientific Corp.: *See*—
Goda, George G. 204,757.
Gretag Ltd.: *See*—
Milani, Francesco. 203,623.
Griese, Elmer W., Jr. Tray. 205,536, 8–16–66, Cl. D44—10.
Griese, Elmer W., Jr., to Ekco Products, Inc. Packaging container for food or the like. 206,358, 11–29–66, Cl. D58—17.
Griffith, Lloyd A. Lever actuated control knob for electronic equipment. 203,933, 3–1–66, Cl. D26—13.
Grimm, James J. Reproduction machine. 205,558. 8–16–66, Cl. D61—1.
Grinyer, Edward G.: *See*—
Marshall, Eric J., Grinyer, and Barber. 205,903.
Grippi, Vincent, Jr., and W. D. Johnson, to Houston Fearless Corp. Variable-width scanning viewer. 206,101, 10–25–66, Cl. D61—1.
Griss, Michael A., to Bausch & Lomb Inc. Pair of spectacles. 204,209. 3–29–66, Cl. D57—1.
Griss, Michael A., to Bausch & Lomb Inc. Pair of sun glasses. 205,378, 7–26–66, Cl. D57—1.
Griss, Michael A., to Bausch & Lomb Inc. Pair of spectacles. 205,419, 8–2–66, Cl. D57—1.
Groff, Emory L. Sponge rack. 206,129, 11–1–66, Cl. D44—29.
Groff, Emory L., to E. L. Groff, Jr. Sponge rack. 206,277, 11–22–66, Cl. D44—29.
Groff, Emory L., Jr.: *See*—
Groff, Emory L. 206,277.
Groover, Steven G. Measuring and dispensing atachment for a coffee container. 206,362, 11–29–66, Cl. D58—26.
Gross, Harold I. Table top gas candle, or similar article. 203,621, 2–1–66, Cl. D48—2.
Gross, Harold I., to National Silver Co. Combined gas candle and holder or similar article. 204,898, 5–24–66, Cl. D48—2.
Gross, Leon S. Television photo machine. 204,575, 4–26–66, Cl. D61—1.
Grossman, Charles F., to Ampex Corp. Keyboard. 206,068, 10–25–66. Cl. D26—5.
Grossman, Charles F., and M. A. Southcott, to Ampex Corp. Magnetic tape transport. 205,661, 9–6–66, Cl. D26—5.
Grosso, Raymond A., to Minnesota Mining and Mfg. Co. Tape deck. 206,226, 11–15–66, Cl. D26—14.
Grove Co., The: *See*—
Schweiss, Johanna P. 205,439.
Grove, John L. Hydraulic boom and support unit for vehicles. 205,030. 6–14–66, Cl. D14—3.
Grove, John L. Self-propelled rotatable hydraulic crane. 205,031. 6–14–66, Cl. D14—3.
Grove, John L. Self-propelled vehicle. 205,131, 6–28–66, Cl. D14—3.
Grove, John L., to Grove Mfg. Co. Combined fuel tank and utility compartment. 205,448, 8–9–66, Cl. D14—3.
Grove Mfg. Co.: *See*—
Grove, John L. 205,448.
Grover Musical Products, Inc.: *See*—
Thompson, Josephus B. 206,460.
Grube, Clifford E., to Associated Mills, Inc. Electric foot massager. 204,852, 5–17–66, Cl. D83—1.
Grunau, Oscar W., to Awson Motor Carriage Co., Ltd. Automobile instrument panel. 204,251, 4–5–66, Cl. D14—6.
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Dietrich, Gerhard. 203,395.
Dietrich, Gerhard. 203,396.
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Grunewald, Harold C. Hand reel. 205,533, 8–16–66, Cl. D41—1.
Grunewald, Heinz, and K. H. Lindner, to Schering A.G. Package for medicament tablets or the like. 205,548, 8–16–66, Cl. D58—2.
Grunwald, Frank M., and J. C. Adams, to General Electric Co. Portable television receiver. 205,475, 8–9–66, Cl. D56—4.
Gruye, Dale W., to Fairchild Camera & Instruments Corp. Digital voltmeter housing or similar article. 203,985, 3–8–66, Cl. D26—1.
Guardia, Ferdinando A. Fish lure. 205,226, 7–12–66, Cl. D31—4.
Guarino, Evelyn, to Lee Ann, Inc. Whistle. 206,176, 11–8–66, Cl. D34—15.
Guevara, Antonio, Jr., and J. O. Young, to Layne & Bowler Inc. Graveling trailer. 205,999, 10–18–66, Cl. D14—3.
Gulbrandsen, Cory O., to The Telex Corp. Microphone. 206,329. 11–29–66, Cl. D26—14.
Gulick, Ronald A.: *See*—
Lowrey, William E., Anderson, and Gulick. 203,432.
Gulotta, Gerald. Sugar container. 203,851, 2–22–66, Cl. D44—15.
Gulotta, Gerald. Creamer. 203,853, 2–22–66, Cl. D44—21.
Gulotta, Gerald. Coffee pot. 203,855, 2–22–66, Cl. D44—26.
Gulotta, Gerald, to Block China Co., a partnership of E., J. L., and R. C. Block. Combined cup and saucer serving unit. 205,534 8–16–66. Cl. D44—9.
Gulotta, Gerald D. Casing for an apparatus for mixing fluids in a test tube or similar container. 205,416, 8–2–66, Cl. D55—1.
Guraydin, Orhan A., to Jennings Radio Mfg. Corp. Vacuum coaxial relay. 204,986, 6–7–66, Cl. D26—13.
Gussak, William, and B. Mather. Cymbal jingle stick. 206,134. 11–1–66, Cl. D56—1.
Gust, Raymond E.: *See*—
Valle, Howard C., Hatchett, and Gust. 205,781.
H P E Inc.: *See*—
Martin, Rand H. 206,250.
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Cox, Austin E. 203,809.
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Buck, Michael D. 206,325.
Hack, Peter L., and J. D. Kendall, Jr., to Varian Associates. Cooling unit for electronic equipment or the like. 203,565, 1–25–66, Cl. D67—2.
Hadlick, Paul E., Jr. Braille desk. 204,273, 4–5–66, Cl. D33—7.
Haessler, Lincoln L. Hot dog bun. 205,126, 6–28–66, Cl. D8—1.
Hagglund, Mary. Diaper bag. 206,192, 11–8–66, Cl. D58—2.
Haggstrom Olle E.: *See*—
Shalvoy, John C., Hauenstein, and Haggstrom. 204,714.

Haggstrom, Olle E., C. N. Johnson, and W. V. Judson, to General Electric Co. Cigarette lighter or similar article. 205,680, 9–6–66, Cl. D48—27.
Hahn, Henry R., to Infranor of North America, Inc. Flood light or similar article. 205,598, 8–23–66, Cl. D48—20.
Hahn, Jerome G., to Jacoby-Bender, Inc. Display box. 205,869, 9–27–66, Cl. D58—12.7.
Hakim, Albert S. Poker chip. 205,779, 9–20–66, Cl. D34—5.
Hales, Claude M. Adjustable closet storage and hanging rack. 203,998, 3–8–66, Cl. D83—8.
Haley, Albert T. Child's high chair or the like. 206,223, 11–15–66, Cl. D15—1.
Halko, John J., Jr., and M. S. Reider. Window frame. 204,664, 5–10–66, Cl. D13—1.
Hall, Alice N. Slip. 203,653, 2–8–66, Cl. D3—26.
Hall, Richard B., to Dominion Electric Corp. Electric knife handle or similar article. 203,819, 2–22–66, Cl. D22—3.
Hall, Richard B., to Dominion Electric Corp. Handle for manicuring implement or the like. 205,748, 9–13–66, Cl. D86—10.
Hall, Richard B., to Dominion Electric Corp. Combined holder and charging unit for electric toothbrush or the like. 205,754, 9–20–66, Cl. D44—3.
Hall, Walter J., to Sawyer's, Inc. Slide carrying disc. 204,033, 3–8–66, Cl. D61—1.
Hall, Warren D. Lamp shade. 204,013, 3–8–66, Cl. D48—16.
Hallowell, Fulton W., Jr. Plastic bottle. 205,098, 6–21–66, Cl. D58—6.
Halpert, Abby, to Halvin Products Co., Inc. Aquarium filter. 205,117, 6–21–66, Cl. D91—1.
Halvin Products Co., Inc.: *See*—
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Hamann, George F., and K. Voore. Building. 204,245. 4–5–66, Cl. D13—1.
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Fenner, Robert M., and Hamilton. 205,900.
Hamilton, Vern E., to Douglas Aircraft Co., Inc. Television receiver. 205,195, 7–5–66, Cl. D56—4.
Hamlett, Sidney J., to White Consolidated Industries, Inc. Sewing machine or similar article. 203,779, 2–15–66, Cl. D70—1.
Hamlett, Sidney J., to White Consolidated Industries, Inc. Sewing machine or similar article. 206,560, 12–27–66, Cl. 70—1.
Hamm, Opal G. Portable power operated washer for jewelry, dentures and the like. 204,306, 4–5–66, Cl. D49—1.
Hamon, Orville C. Vase. 206,445, 12–13–66, Cl. D29—28.
Han, Samuel D., to Red Devil Inc. Handle for hand tools. 206,517, 12–20–66, Cl. D93—4.
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Breman, Ahasuerus G. 205,465.
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Harrison, Stanley D., and Hankins. 204,796.
Hanna, Michael J., and F. A. Maljan, to Malmik Enterprises. Set of chess pieces. 204,396, 4–12–66, Cl. D34—5.
Hansburg, Harper, Jr., Co., Inc.: *See*—
Hartley, Robert L. 205,629.
Hansen, Fred T. Telescope mount for rifle. 203,508, 1–18–66, Cl. D30—1.
Hansen, Howard J., to The Hansen Mfg. Co. Valve unit. 205,438, 8–9–66, Cl. D2—3.
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Hanyu, Susumu, to Jenome Sewing Machine Co., Ltd. Sewing machine or similar article. 205,018, 6–7–66, Cl. D70—2.
Hara, Teruo, S. Mizukawa, and M. Fukuda. Camera or similar article. 205,383, 7–26–66, Cl. D61—1.
Harding, David E. Instrument face for gyroscopic instruments. 205,791, 9–20–66, Cl. D52—6.
Hardy, Russell F. Residence marker. 204,049, 3–15–66, Cl. D1—12.
Hare, Homer M., Jr. Combined comb and hair tonic holder therein. 205,700, 9–6–66, Cl. D86—8.
Hargroves, Lyn C. Bollard. 204,332, 4–5–66, Cl. D71—1.
Harkins, William H., and J. R. Bachman, II, to Honeywell Inc. Punched card reader or similar article. 204,458, 4–19–66, Cl. D26—5.
Harley, James J., to Optics International Corp. Spectacle frame front. 203,415, 1–4–66, Cl. D57—1.
Harley, James J., to Optics International Corp. Eyeglass frame. 206,096, 10–25–66, Cl. D57—1.
Harlow, Erik, and A. C. Norgaard. Knife or similar article. 205,034, 6–14–66, Cl. D22—3.
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Harris, Roy V., Jr.: *See*—
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Harrison, Stanley D., and M. A. Hankins, to Mole-Richardson Co. Flood light for photographers or the like. 204,485, 4–19–66, Cl. D48—20.
Harrison, Stanley D., and M. A. Hankins, to Mole-Richardson Co. Lamp or similar article. 204,796, 5–17–66, Cl. D48—20.
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Hart, Richard S. to Sunbeam Corp. Hedge Trimmer. 204,943, 5–31–66. Cl. D40—1.
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Hartley, Robert L., to J. Harper Hansburg Co., Inc. Tissue holder. 205,629, 8–30–66, Cl. D52—2.
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Anderson, Lester F., Bennett, and Hartman. 204,327.
Hartmann, Alma R.: *See*—
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Hartshorn, Donald L. Holder for cans or the like. 205,677. 9–6–66, Cl. D44—21.
Hartwell, Donald S. Electrical massager, or similar article. 204,920, 5–24–66, Cl. D83—1.
Harvey, Alex., & Sons Ltd.: *See*—
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Harvey Aluminum (Inc.): *See*—
Harvey, Homer M., and Hart. 203,795.
Harvey, Homer M., and Hart. 204,441.
Harvey, Leo M., and Hilton. 204,574.
Harvey, Homer M., and D. H. Hart, to Harvey Aluminum (Inc.). Center set shower fixture. 203,795, 2–15–66, Cl. D91—3.
Harvey, Homer M., and D. H. Hart, to Harvey Aluminum (Inc.). Center set faucet fixture. 204,441, 4–12–66, Cl. D91—3.
Harvey, Leo M., and R. W. Hilton, to Harvey Aluminum (Inc.). End closure for a container. 204,574, 4–26–66, Cl. D58—27.
Hass, Martin A., R. A. Rogers, and W. L. Patton. Isometric exerciser. 203,836, 2–22–66, Cl. D34—5.
Hasselman, Jack E. Auto safety light. 205,241, 7–12–66, Cl. D48—32.
Hassenfeld Bros., Inc.: *See*—
Lerner, George, and Ellman. 205,622.
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Hauenstein, Max C.: *See*—
Shalvoy, John C., Hauenstein, and Haggstrom. 204,714.
Hauenstein, Max C., to General Electric Co. Fire starter. 203,956, 3–1–66, Cl. D81—10.
Hauser, Frank W., K. A. Sumida, and S. G. Hauser, to Dashew Business Machines Inc. Tape embossing tool. 203,634, 2–1–66, Cl. D64—10.
Hauser, Stephen G.: *See*—
Hauser, Frank W., Sumida, and S. G. Hauser. 203,634.
Haussermann, Erich. Telephone. 204,271, 4–5–66, Cl. D26—14.
Haveg Industries, Inc.: *See*—
Wallace, William B. 204,967.
Hawkins, Jack S., to Jennings Radio Mfg. Corp. High voltage capacitor discharge grounding relay. 205,454, 8–9–66, Cl. D26—10.
Hawkins, Robert D. Quadraplex electrical outlet. 204,457, 4–19–66, Cl. D26—5.
Hawkins, Roy I. Dry land chisel tiller blade. 204,004, 3–8–66, Cl. D35—2.
Hawthorn Co., a division of Knellwood Co.: *See*—
Bales, David W. 203,567.
Hayes, Jerry R., to L. R. Nelson Mfg. Co., Inc. Sprinkler base. 204,123, 3–15–66, Cl. D91—1.
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Hayes, Norman J. Animal tag. 204,602. 5–3–66, Cl. D12—2.
Hayes, Ralph W., to Alex., Harvey & Sons Ltd. Sheet metal roofing tile. 203,566, 1–25–66, Cl. D68—1.
Hayes, Thomas H., to Sunbeam Corp. Hair dryer. 203,919,
Hayford, Warren J., to Continental Can Co., Inc. Pull tab for a tear strip opener. 206,412, 12–6–66, Cl. D58—26.
Hazelquist, John L., to Traub Mfg. Co. Finger ring. 205,782, 9–20–66, Cl. D45—10.
Hazelquist, John L., to Traub Mfg. Co. Finger ring. 206,280, 11–22–66, Cl. D45—10.
Hazelton, Burton W. Doll buggy side panel. 203,548, 1–25–66, Cl. D34—15.
Hazenberg, Cornell D., to Chautauqua Hardware Corp. Drawer handle. 206,372, 12–6–66, Cl. D10—8.
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Hedeman, Robert M. Beverage dispenser. 204,729, 5–17–66, Cl. D2—3.
Hedwin Corp.: *See*—
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Speas, Charles A., and Jordon. 206,356.
Hegemann, Manfred K. Beam balance weighing scale. 204,561 4–26–66, Cl. D52—10.
Heimlich, Jack. Shoe buckle. 203,438, 1–11–66, Cl. D17—1.
Heinemann Electric Co.: *See*—
Camp, William W., and Mune. 206,006.
Davis, Ralph B., and Kovacs. 204,386.
Heinrich, Elmer G. Irrigation sock holder. 206,044, 10–18–66, Cl. D91—3.
Heintze, Walter T. Boat. 205,019, 6–7–66, Cl. D71—1.
Heitler, Emmett H., R. K. Fujioka, T. M. Uyeda, and A. W. Ellsworth, to Samsonite Corp. Cosmetic case or the like. 206,212, 11–8–66, Cl. D87—5.
Helgeson, Peter L., to Caloric Corp. Double oven. 204,180, 3–22–66, Cl. D81—4.
Helland, Russel E.: *See*—
Faux, Alfred W., and Helland. 204,274.
Heller, Anton H., to United Suffolk Corp. Asphalt penetration heater. 205,321, 7–19–66, Cl. D60—1.
Heller Industries, Inc.: *See*—
Fisher, Edward L. 205,387.
Hellinger, Gary, and I. Zeller, to Leeds Ltd. Tie hanger. 205,257, 7–12–66. Cl. D80—8.
Helms, Donald L., to Kay Jewelry Stores, Inc. Display case. 206,306, 11–22–66, Cl. D80—11.
Hendershot, Charles E. Shoestring knot retainer. 206,146, 11–8–66, Cl. D7—6.
Henderson, Richard E. Barbecue tongs or similar article. 204,945, 5–31–66, Cl. D44—4.
Henderson, Richard E. Spatula or similar article. 204,948, 5–31–66, Cl. D44—29.
Henes Mfg. Co., Inc.: *See*—
Henes, Richard W., and Nielsen. 205,199.
Henes, Richard W., and F. F. Nielson, to Henes Mfg. Co., Inc. Flameless torch for heating, drying and melting plastics and the like. 205,199, 7–5–66, Cl. D62—2.
Henggeler, Dean A. Combination drill and screw driver. 205,012, 6–7–66, Cl. D54—14.
Henry, Frederick D., and J. R. Clifton, to Northrop Corp. Multiple purpose vehicle. 205,328, 7–19–66, Cl. D71—1.
Henshaw, Ralph H.: *See*—
McGuire, Arthur M. 204,367.
Henson, Richard C.: *See*—
Bottom, Alfred H., and Henson. 205,614.
Bottom, Alfred H., and Henson. 205,628.
Herbert, George L., to Merchants Box Co. Shoe valet cabinet. 205,058, 6–21–66, Cl. D9—2.
Herbst, Walter, and R. M. La Zar, to Sawyer's, Inc. Slide projector. 204,032, 3–8–66, Cl. D61—1.
Hercules Powder Co.: *See*—
Ferar, Montgomery. 204,499.
Ferar, Montgomery. 204,501.
Herrmann, Jack L. Squeeze bottle. 204,321, 4–5–66, Cl. D58—8.
Hersh, Burt, and M. A. Godin, to Joan Fabrics Corp. Display stand for rugs or the like. 204,435, 4–12–66, Cl. D80—10.
Hershfield, Sandi R., to Ekco Products Co. Knob for doors, drawers and the like. 204,740, 5–17–66, Cl. D10—8.
Hesemann, Bernard H. Tank truck. 205,838, 9–27–66, Cl. D14—3.
Hesse Carriage Co.: *See*—
Miller, Eldon F. 204,247.
Hesston Mfg. Co., Inc.: *See*—
Fell, Ferol S., Adee, and Ten Eyck. 203,845.
Long, William D., and Ten Eyck. 204,612.
Roberson, Perry M., Garrison, and Ten Eyck. 203,514.
Hester, Wesley W. Necklace clasp. 205,450, 8–9–66, Cl. D17—3.
Heth, Sherman C., and E. T. Lewis, to Jacobsen Mfg. Co. Utility tractor. 205,208, 7–5–66, Cl. D14—3.
Heuckeroth, Curt, to Rowenta Metallwarenfabrik G.m.b.H. Table lighter. 203,866, 2–22–66, Cl. D48—27.
2–22–66, Cl. D86—10.
Heuckeroth, Curt, to Rowenta Metallwarenfabrik G.m.b.H. Table lighter. 204,082, 3–15–66, Cl. D48—27.
Heuckeroth, Curt, to Rowenta Metallwarenfabrik G.m.b.H. Table lighter. 204,083, 3–15–66, Cl. D48—27.
Hewson, Carl. Heart-lung rescue unit. 203,427, 1–4–66, Cl. D83—1.
Hi-Shear Corp.: *See*—
Jenner, Fee L. 204,722.
Wing, George S. 203,412.
Wing, George S. 206,402.
Hibbard, Thomas L., to Kelsey-Hayes Co. Wheel. 203,931, 3–1–66, Cl. D14—30.
Hica Corp., The: *See*—
Cain, Clifford G., and Le Gendre. 205,013.
Hickman, Walter A., to General Hardware Mfg. Co., Inc. Tubing cutter. 204,094, 3–15–66, Cl. D54—13.
High, Jack G., to MSL Industries. Plastic lens-louver. 206,283, 11–22–66, Cl. D48—16.
Hilde, Al G., Jr. Portable commode. 203,740. 2–15–66. Cl. D4—5.
Hilde, Al G., Jr. Urinal. 204,052, 3–15–66, Cl. D4—5.
Hill, Chauncey V., III, to Emhart Corp. Refrigerated display case. 205,429, 8–2–66, Cl. D80—11.
Hill, George H. Insect electrocuting trap. 206,072, 10–25–66, Cl. D31—3.
Hill, James H., to Johnson-Carper Furniture Co., Inc. Swatch display rack. 204,847, 5–17–66, Cl. D80—10.
Hill, Roger G. Machine tool control console. 206,094, 10–25–66, Cl. D55—1.
Hill, Wilkes E. Heat exchanger. 205,870, 9–27–66, Cl. D62—4.
Hilsinger Corp., The: *See*—
Englemann, Albert C. 204,305.
Hilton, Ralph W.: *See*—
Harvey, Leo M., and Hilton. 204,574.
Hilton, Robert M. Snow plow blade. 203,844, 2–22–66, Cl. D35—2.
Hinrichs, Carl B., to Structural Products, Inc. Pull for doors, slide panels, drawers, drop fronts and the like. 203,385, 1–4–66, Cl. D10—8.
Hinrichs, Carl B., and R. W. Lane, to Structural Products, Inc. Supporting pole for wall racks, shelves, room dividers and the like. 203,582, 2–1–66, Cl. D13—1.
Hiser, William H., to K. W. Connor. Tear gas weapon. 203,599, 2–1–66, Cl. D30—1.
Hitchcock, Richard E.: *See*—
Sundberg, Carl W., and Hitchcock. 203,576.
Sundberg, Carl W., and Hitchcock. 203,649.
Hixon, Phillp E., and M. B. Fleisher. Continuous photographic film processing apparatus. 205,251, 7–12–66, Cl. D61—1.
Hobart Mfg. Co.: *See*—
Saiger, Herbert C., and Geiger. 205,043.
Hobbs, Raymon E.: *See*—
Birrell, Stewart H., and Hobbs. 204,705.
Hobbs, Raymon E., to Owens-Illinois, Inc. Jug. 204,704, 5–10–66, Cl. D58—5.
Hockenberry, Jack K., to International Business Machines Corp. Combined document printing and sorting machine. 205,513, 8–16–66, Cl. D26—5.
Hocq, Robert. Cigarette-lighter or similar article. 204,154, 3–22–66, Cl. D48—27.
Hocq, Robert. Cigarette-lighter or similar article. 204,155, 3–22–66, Cl. D48—27.
Hocq, Robert. Cigarette-lighter or similar article. 204,156, 3–22–66, Cl. D48—27.
Hocq, Robert. Cigarette-lighter or similar article. 204,157, 3–22–66, Cl. D48—27.
Hocutt, R. Hovan, and T. E. Mullinax, to Pneumafil Corp. Combination air filtering and collecting unit for textile waste products. 205,760, 9–20–66, Cl. D9—2.
Hoehne, George C., to The B. F. Goodrich Co. Delivery van. 204,667, 5–10–66, Cl. D14—3.
Hoehne, George C., to The B. F. Goodrich Co. Delivery van. 204,668, 5–10–66, Cl. D14—3.
Hoelscher, Heinrich, to Firma Triumph Intertrade Aktiengesellschaft. Brassiere. 204,378, 4–12–66, Cl. D20—4.
Hoelscher, Heinrich, to Firma Triumph Intertrade Aktiengesellschaft. Brassiere. 204,379, 4–12–66, Cl. D20—4.
Hoffart, Baltazar J.: *See*—
Scheurn, Henry M., and Hoffart. 204,310.
Hoffman Electronics Corp.: *See*—
Keys, Richard V. 206,327.
Wojciechowski, Francis X. 204,028.
Hoffmann, Harald R., to The M. T. & D. Co. Velocipede. 205,295, 7–19–66, Cl. D34—15.
Hoffmaster, George R., and P. E. Brace, to The Electric Storage Battery Co. Pair of sunglasses. 204,639, 5–3–66, Cl. D57—1.
Hohmann, Albert, to Taller & Cooper, Inc. Coin hopper. 205,960, 10–11–66, Cl. D52—4.
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Hollaender, Peter R., to The Hollaender Mfg. Co. Book rack. 206,538, 12–27–66, Cl. D33—3.
Hollander, Betty R. G., to Omega Engineering, Inc. Electrical connector. 203,393, 1–4–66, Cl. D26—1.
Hollerith, Richard, Jr., F. M. Raddin, and W. G. Benson, to Monroe International Corp. Housing for magnetic card reader. 203,394, 1–4–66, Cl. D26—5.
Hollerith, Richard, Jr., and T. L. Barner, to Monroe International Corp. Casing for a calculating machine or similar article. 205,324, 7–19–66, Cl. D64—11.
Hollerith, Richard, Jr., and R. S. Dormer, to Monroe International Corp. Casing for a check printing adder. 205,561, 8–16–66. Cl. D64—11.
Holleyman, John E. Fishing lure. 206,383, 12–6–66, Cl. D31—4.
Holmes, Harry J., to The Thomas & Betts Co. Mounting bracket. 205,793, 9–20–66, Cl. D54—1.
Holmes, Lee: *See*—
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Little, William F., and Wince. 206,020.
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Wince, Vearl S., and Meyer. 203,406.
Holtkamp, Peer G. Butter pat dispenser. 203,870, 2–22–66, Cl. D52—2.
Holtkamp, Peer G. Butter pat dispenser. 203,871, 2–22–66, Cl. D52—2.
Holzwarth, Henry A.: *See*—
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Home Tap Co.: *See*—
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Bieger, Walter I. 204,622.
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Shebanow, Michael S. 204,910.
Stahl, William F. 204,311.
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Wildgen, Leo F. 204,806.
Wolfe, Norbert T. 206,519.

Honig, Henry T. Lantern hanger. 203,470, 1–11–66, Cl. D48—4.

Hoodis, Marvin. Bathroom drying fixture. 204,683, 5–10–66, Cl. D49—1.

Hoogesteger, Paul A., and R. D. Jacobs. Zoom magnifier. 203,882, 2–22–66, Cl. D57—1.

Hoogesteger, Paul A., and J. W. Patla. Electrophoresis apparatus. 203,911, 2–22–66, Cl. D83—1.

Hoogesteger, Paul A., and J. W. Patla, to Bausch & Lomb Inc. Stereo microscope. 205,729, 9–13–66, Cl. D57—1.

Hooper, Kenneth P., to Zepi's Pizza, Inc. Building. 205,446, 8–9–66, Cl. D13—1.

Hooton, Robert P. Decorative grillework. 205,930, 10–11–66, Cl. D13—1.

Hoover Ball and Bearing Co.: *See*—
Platte, Richard L. 203,706.
Platte, Richard L. 205,047.
Platte, Richard L. 205,730.
Platte, Richard L. 205,967.
Platte, Richard L. 206,245.
Platte, Richard L. 206,408.
Platte, Richard L. 206,410.

Hoover, Charles O. Water craft frame. 205,743, 9–13–66, Cl. D71—1.

Hoover Co., The: *See*—
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Hopkins, John D., to Walker Mfg. Co. Filter shell. 206,080, 10–26–66, Cl. D46—1.

Hopkins, Kenneth A., and S. H. Kaminski, to D. H. Baldwin Co. Amplifier for electrical musical instruments. 205,947, 10–11–66, Cl. D26—14.

Hoppe, Frank A., Inc.: *See*—
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Hopper, James H. Fishing reel. 205,516, 8–16–66, Cl. D31—4.

Hopper, James H. Fishing pole handle. 205,517, 8–16–66, Cl. D31—4.

Hopper, James H. Fishing reel. 205,518, 8–16–66, Cl. D31—4.

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Blum, Louis, and Horgan. 204,544.
Blum, Louis, and Horgan. 205,397.

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Horner, Thomas J. Combined baby bottle holder and ring exerciser. 204,047, 3–8–66, Cl. D83—8.

Horowitz, Jesse D., to De Luxe Reading Corp. Toy doll dresser. 204,399, 4–12–66, Cl. D34—15.

Horowitz, Jesse D., to De Luxe Reading Corp. Toy bathinette for a doll. 204,400, 4–12–66, Cl. D34—15.

Horvat, Ivan. Vacuum and blower unit for cleaning a textile machine. 204,363, 4–12–66, Cl. D9—2.

Horzick, Joseph, to Motorola, Inc. Phonograph pickup cartridge. 204,387, 4–12–66, Cl. D26—14.

Horsick, Joseph, to Motorola, Inc. Television receiver cabinet. 205,194, 7–5–66, Cl. D56—4.

Horzick, Joseph, to Motorola, Inc. Phonograph pick-up cartridge or similar article. 205,359, 7–26–66, Cl. D26—14.

Hose, Robert H.: *See*—
Gantz, Carroll M., and Hose. 205,584.

Hoth, Richard O., deceased (by H. Reabold, administratrix). Telephone wall cabinet. 206,233, 11–15–66, Cl. D33—18.

Houdaille Industries, Inc.: *See*—
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Howell, David S., to Arlington Aluminum Co. Poster frame. 206,217, 11–15–66, Cl. D1—12.

Hrabrick, William J. Restaurant building. 205,351, 7–26–66, Cl. D13—1.

Hubel, Vello. Baby walker. 204,252, 4–5–66, Cl. D14—14.

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Hubert, Gustav, to Ultra-Violet Products, Inc. Ultra-violet lamp or similar article. 203,864, 2–22–66, Cl. D48—20.

Hudon, Marie A. Door lock. 205,154, 6–28–66, Cl. D50—7.

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Hughes, Douglas B., to Canadian Aviation Electronics Ltd. Standard for traffic signal or the like. 203,723, 2–8–66, Cl. D72—1.

Hughes, Douglas B., to Canadian Aviation Electronics Ltd. Traffic signal. 205,695, 9–6–66, Cl. D72—1.

Hughes, George H., to Beacon Mfg. Co. Non-woven textile fabric. 206,367, 11–29–66, Cl. D92—1.

Hughes, James R., to J. R. H. Corp. Combined luggage and child cart for transportation terminals. 206,116, 11–1–66, Cl. D14—3.

Hughes, Martin R., to Bissell Inc. Mop head. 205,059, 6–21–66, Cl. D9—2.

Huling, James K., to The Clayton Corp. Dispenser cap for a pressurized can. 204,213, 3–29–66, Cl. D58—26.

Huling, James K., to The Clayton Corp. Valve actuator for a pressurized can. 204,214, 3–29–66, Cl. D58—26.

Hull, Richard L., to Ametek, Inc. Air conditioning duct. 206,466, 12–13–66, Cl. D62—4.

Hultquist, Donald C., and D. G. Franzen. Removable receptacle for floor sweepings. 203,888, 2–22–66, Cl. D58—17.

Humphreys, Adolph H. Medal or similar article. 205,036, 6–14–66, Cl. D29—19.

Hurban, Gary S., to National Gypsum Co. Acoustical correction tile. 206,436, 12–13–66, Cl. D18—2.

Hurley, Frederick A. Clock. 204,894, 5–24–66, Cl. D42—7.

Husby, Donald E., and E. L. Izzi, to Westinghouse Electric Corp. Floodlighting luminaire. 203,404, 1–4–66, Cl. D48—20.

Husky Corp.: *See*—
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Husselman, Charles R., D. L. Sampson, V. K. Smith, and J. Downs, to Grain Belt Supply Co., Inc. Cattle feeder. 203,812, 2–22–66, Cl. D12—2.

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Hvale, James L., to Flambeau Plastics Corp. Spatula or similar article. 203,616, 2–1–66, Cl. D44—29.

Hvale, James L., to Flambeau Plastics Corp. Potato masher. 203,858, 2–22–66, Cl. D44—29.

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Hyer Hardware Mfg. Co.: *See*—
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James, David F., and Maize. 206,430.

Hyler, Louise O. Holder for golf tees and ball markers. 206,541, 12–27–66, Cl. D34—5.

Iammatteo, Pasquale, to The Lionel Corp. Tilting toy race track piece. 205,406, 8–2–66, Cl. D34—15.

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Ikeda, Tsunehiko. Spoon. 205,861, 9–27–66, Cl. D54—12.

Ikeda, Yoshitaka, to Azuma Tile Co., Ltd. Mosaic tile. 203,391, 1–4–66, Cl. D18—2.

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Adler, Norman R. 204,088.
Adler, Norman R. 204,089.

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Ingram, William F. Grinder for preparing thin sections of rocks, ceramics, fossils and the like. 203,611, 2–1–66, Cl. D37—1.

Ingram, William F. Cut-off saw for preparing thin sections of rocks, ceramics, fossils and the like. 203,650, 2–1–66, Cl. D93—3.

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Ischinger, Alfred E. Game device, 205,778, 9–20–66, Cl. D34—5.

Isenberg, Oliver. Spray head. 206,515, 12–20–66, Cl. D91—3.

Ising, Robert L. Combined storage cabinet and rack for cosmetics or the like. 206,209, 11–8–66, Cl. D86—10.

Italiano, Frank J. Display stand. 204,043, 3–8–66, Cl. D80—10.

Itek Corp.: *See*—
Robbins, Daniel H., and Powers. 204,833.

Ito, Tomio, to Bridgestone Tire Co. Ltd. Rubber tire for automobiles. 203,431, 1–4–66, Cl. D90—20.

Itt Terryphone Corp.: *See*—
Kamp, George B. 203,595.
Kamp, George B. 203,596.

Iverson, Roland N., to Wells Television, Inc. Combined intercom housing and support therefor. 204,987, 6–7–66, Cl. D26—13.

Ivon, Elizabeth. Inflatable novelty head gear. 205,853, 9–27–66, Cl. D34—15.

Izzi, Edmund L., to Westinghouse Electric Corp. Floodlighting luminaire. 205,084, 6–21–66, Cl. D48—20.

J & J Oven Co. Inc.: *See*—
Reach, Walter R. 204,339.

J. R. H. Corp.: *See*—
Hughes, James R. 206,116.

Jackson, Don J.: *See*—
Newton, Thomas A., and Jackson. 203,597.
Newton, Thomas A., and Jackson. 203,678.

Jackson, Frank M., to Distmark, Inc. Spatula. 204,789, 5–17–66, Cl. D44—29.

Jackson, Ollie W. Fishing lure. 205,225, 7–12–66, Cl. D31—4.

Jacobs Mfg. Co., The: *See*—
Behnk, Donald J., and Streiff. 204,091.
Behnk, Donald J., and Streiff. 204,092.

Jacobs, Robert D.: *See*—
Hoogesteger, Paul A., and Jacobs. 203,882.

Jacobsen, Harvey A.: *See*—
Solipasso, Victor M. 206,335.

Jacobsen Mfg. Co.: *See*—
Heth, Sherman C., and Lewis. 205,208.

Jacoby-Bender, Inc.: *See*—
Hahn, Jerome G. 205,869.
Luft, Walter J. 203,469.
Luft, Walter J. 204,678.

Jacoby, David J. Combined slicer and dispenser for butter or the like. 203,554, 1–26–66, Cl. D52—2.

Jacuzzi Bros., Inc.: *See*—
Jacuzzi, Candido. 206,143.

Jacuzzi, Candido, to Jacuzzi Bros., Inc. Hydrotherapy tub. 206,143, 11–1–66, Cl. D83—1.

Jaffe, David L., to Polarad Electronics Corp. Combined message display and clock. 203,941, 3–1–66, Cl. D42—7.

Jakobsen, Robert E. K., to Schlumberger Ltd. Chair. 206,378, 12–6–66, Cl. D15—1.

James, Anne C. N. and W. J. Purse light. 204,794, 5–17–66, Cl. D48—20.

James, David F., and J. W. Maize, to Hyer Hardware Mfg. Co. Hinge. 206,318, 11–29–66, Cl. D10—9.

James, David F., and J. W. Maize, to Hyer Hardware Mfg. Co. Knob for doors, drawers and the like. 206,373, 12–6–66, Cl. D10—8.

James, David F., and J. W. Maize, to Hyer Hardware Mfg. Co. Pull for doors, drawers and the like. 206,430, 12–13–66, Cl. D10—8.

James, Forrest H., Jr., to Diversified Products Corp. Barbell weight. 203,837, 2–22–66, Cl. D34—5.

James, William J.: *See*—
James, Anne C. N. and W. J. 204,794.

Jamison, Egbert G., to Jamison Mfg. Co. Child's climbing apparatus or the like. 205,954, 10–11–66, Cl. D34—5.

Jamison Mfg. Co.: *See*—
Jamison, Egbert G. 205,954.

Jansson, Karl A.: *See*—
Nord, Bo E., and Jansson. 204,350.

Jarchow, Harold L., and M. E. King, to North American Aviation, Inc. Aircraft. 203,720, 2–8–66, Cl. D71—1.

Jaskulek, Larry J., and E. A. Weber. Food serving tray. 206,390, 12–6–66, Cl. D44—10.

Jaybee Mfg. Corp.: *See*—
Kawaguchi, Hideo, and Myers. 203,384.
Kawaguchi, Hideo, and Myers. 204,541.

Jaycrest Corp.: *See*—
Morriarty, Joseph. 204,800.

Jeannin, Paul B., to Sasieni Ltd. Combined bowl support and stem of a tobacco pipe. 204,922, 5–24–66, Cl. D85—8.

Jedwabnik, Lydia, to A & L Novelty Co., Inc. Child's toy jumping hassock. 206,174, 11–8–66, Cl. D34—15.

Jefferson, Lesslie N., and L. J. Jerue, Jr. Swimming pool coping block. 203,814, 2–22–66, Cl. D13—1.

Jeffrey-Allan Industries, Inc.: *See*—
Podall, Robert. 205,133.
Podall, Robert. 205,134.
Podall, Robert. 205,135.

Jeffries, John E., to Aluminum Co. of America. Beverage dispenser. 204,657, 5–10–66, Cl. D2—3.

Jenn-Air Products Co., Inc.: *See*—
Jenn, Louis J. 204,518.

Jenn, Louis J., to Jenn-Air Products Co., Inc. Roof exhauster. 204,518, 4–19–66, Cl. D62—3.

Jenner, Fee L., to Hi-Shear Corp. Housing for a radiant heater. 204,722, 5–10–66, Cl. D81—10.

Jennings, Golden, and R. Rogers. Combined mirror and wall ornament. 205,519, 8–16–66, Cl. D33—3.

Jennings Radio Mfg. Corp.: *See*—
Guraydin, Orhan A. 204,986.
Hawkins, Jack S. 205,454.
Tetz, Ronald V. 204,137.
Tilman, Ted N. 204,761.
Van Loo, Coenraad. 204,985.

Jenome Sewing Machine Co., Ltd.: *See*—
Hanyu, Susumu. 205,018.

Jensen, Knud A., and L. W. Throssel, to Infanseat Co. Training seat. 206,221, 11–15–66, Cl. D4—5.

Jerue, Lawrence J., Jr.: *See*—
Jefferson, Lesslie N., and Jerue. 203,814.

Jet Dispenser Corp.: *See*—
Yerkovich, Simon, and Rathbone. 204,594.

Jimenez, Charles. Audio speaker cabinet. 205,938, 10–11–66, Cl. D14—6.

Joan Fabrics Corp.: *See*—
Hersh, Burt, and Godin. 204,435.

Jo-Dee Corp.: *See*—
Mellion, Frank. 204,506.
Mellion, Frank. 206,181.
Mellion, Frank. 206,471.

Johannes, Henry R., to The Devilbiss Co. Portable spray painting unit. 203,778, 2–15–66, Cl. D65—1.

Johanson, Ralph A.: *See*—
Bowers, John H., Jr., Johanson, and Ritzau. 204,868.
Bowers, John H., Jr., Ritzau, and Johanson. 204,976.

Johmann, Frank T.: *See*—
Bross, Helmut K. 205,458.
Bross, Helmut K. 205,459.

Johns, Stanley K. Overcap for a dispensing closure. 204,573, 4–26–66, Cl. D58—26.

Johnson, Albert V., J. Q. Flisram, and H. L. Bridgman, to Rivet-Eze, Inc. Tool for removing and securing rivets. 203,877, 2–22–66, Cl. D54—10.

Johnson, Alfred D. Phonograph disc record holding rack. 205,184, 7–5–66, Cl. D33—3.

Johnson-Carper Furniture Co., Inc.: *See*—
Hill, James H. 204,847.

Johnson, Clyde C. Draftsmans' triangle. 205,961, 10–11–66, Cl. D52—6.

Johnson, Everett A.: *See*—
Fulbright, John T. 204,763.

Johnson & Johnson: *See*—
Gershen, Irvin J. 206,272.
Johnson, Kenneth R.: *See*—
Kelso, James W., and Johnson. 206,405.

Johnson, Marshall B.: *See*—
Averitt, Marnie C., Dickson, and Johnson. 205,631.

Johnson, Monroe D., Jr., and W. A. Tuckness. Dished star kite. 205,673, 9–6–66, Cl. D34—15.

Johnson, Robert C. Game board or the like. 203,838, 2–22–66, Cl. D34—5.

Johnson, Robert T., to Brown Machine Co. of Michigan, Inc. Container for milk or the like. 204,170, 3–22–66, Cl. D58—17.

Johnson, Roland E. Shoe tree. 204,448, 4–19–66, Cl. D7—3.

Johnson, Roland E., to Columbus Plastics Products, Inc. Drinking cup. 204,783, 5–17–66, Cl. D44—9.

Johnson, Ted A., to The Central Nebraska Public Power and Irrigation District. Breakwater. 206,120, 11–1–66, Cl. D18—2.

Johnson, Thomas K. Paint scraper. 204,930, 5–31–66, Cl. D9—6.

Johnson, William D.: *See*—
Grippi, Vincent, Jr., and Johnson. 206,101.

Jonas, Gerald L., to Fire Drum Corp. Circular free standing fireplace. 203,909, 2–22–66, Cl. D81—7.

Jones, Carl, Jr.: *See*—
Brennan, Frederick S., Jones, and Bauman. 203,979.

Jones, George H. Wall-mounted sphygmomanometer. 203,491, 1–11–66, Cl. D83—12.

Jones, Richard A.: *See*—
Cottier, Seton, Jones, and Wittner. 203,986.

Jones, William W., R. P. Niesz, and L. H. Sharp, to Rocky-Hi, Inc. Convertible chair for a child. 205,840, 9–27–66, Cl. D15—1.

Jordan, John N. Combined dental chair tool support and conduit shroud. 206,326, 11–29–66, Cl. D24—1.

Jordan, Vincent. Food container. 205,736, 9–13–66, Cl. D58—17.

Jordon, Charles T.: *See*—
Speas, Charles A., and Jordon. 206,356.

Jorgensen, Irving W. Steering wheel spinner. 204,249, 4–5–66, Cl. D14—6.

Joseph, Jerome, to Toujay Designs, Inc. Cabinet. 205,524, 8–16–66, Cl. D33—19.

Joseph, Joseph E. Hand mirror. 205,272, 7–12–66, Cl. D86—10.

Joseph, Joseph E. Hand mirror. 205,273, 7–12–66, Cl. D86—10.

Josephsen, Roy C., and C. L. Weir. Stacking box or the like. 205,799, 9–20–66, Cl. D58—12.6.

Joslow, David L., to Chester Electronic Laboratories Inc. Housing for remote student controls of a language laboratory. 205,139, 6–28–66, Cl. D26—13.

Joy Plastics, Inc.: *See*—
Gardner, Norman. 205,833.
Gardner, Norman S. 205,992.

Jubb Ringer Corp.: *See*—
Enblom, Paul A. 206,273.

Judson, William V.: *See*—
Feiske, Arthur M., and Judson. 203,688.
Laylon, Harry, and Judson. 204,292.
Stalb, Neil, and Judson. 203,848.

Judy Deb Mfg. Co., Inc.: *See*—
Anello, Joseph. 205,897.
Anello, Joseph. 206,075.

KSM Products, Inc.: *See*—
Kersten, Bruno W. 204,914.

KWF Industries, Inc.: *See*—
Campbell, H Albert, Jr., and Burt. 206,536.

Kabot, Warren D.: *See*—
Ryan, John W., and Kabot. 206,235.

Kabushiki Kaisha Honda Gijutsu Kenkyusho Kitaadachigun: *See*—
Sato, Masahiro. 205,975.

Kall, Joseph C. Nurse's cap. 204,593, 5–3–66, Cl. D3—13.

Kaiser, Stanley C. Photographic slide mount press or similar article. 206,195, 11–8–66, Cl. D61—1.

Kalawaia, David K., and A. J. Rivera, to Kalawain Boats, Inc. Utility trailer. 206,375, 12–6–66, Cl. D14—3.

Kalawain Boats, Inc.: *See*—
Kalawaia, David K., and Rivera. 206,375.

Kalen, Barry S.: *See*—
Moglin, Herbert P., Kalen, Robbins, and Basile. 206,317.

Kallen, George H., to Prototech Inc. Graphic recorder. 205,070, 6–21–66, Cl. D26—14.

Kallman, Robert I.: *See*—
De Fano, Dominic J., and Kallman. 205,942.

Kalosky, Daniel R. Combined toothpaste dispenser and toothbrush holder. 204,361, 4–12–66, Cl. D4—3.

Kalvar Corp.: *See*—
Scott, Charles G. 204,427.

Kaminski, Stephen H.: *See*—
Hopkins, Kenneth A., and Kaminski. 205,947.

Kamp, George B., to ITT Terryphone Corp. Telephone. 203,595, 2–1–66, Cl. D26—14.

Kamp, George B., to ITT Terryphone Corp. Push button switch unit for telephone systems. 203,596, 2–1–66, Cl. D26—14.

Kanda Tsushin Kogyo Kabushiki Kaisha: *See*—
Shimazaki, Hiroharu. 205,073.

Kane, John W., to The Detroit Edison Co. Stand-off insulator bracket. 203,676, 2–8–66, Cl. D26—9.

Kane, Robert T. P., to Convenient Food Mart, Inc. Illuminable sign. 205,279, 7–19–66, Cl. D1—12.

Karcher, Carl N.: *See*—
Salmi, Raymond C., and Wilson. 205,997.

Karcher, Margaret M.: *See*—
Salmi, Raymond C., and Wilson. 205,997.

Kardach, Gerald E. Display stand. 203,955, 3–1–66, Cl. D80—9.

Karns, James A. Sliding bolt. 203,553, 1–25–66, Cl. D50—5.

Kasher, Irving. Combined signal light and yarn holder. 205,329, 7–19–66, Cl. D72—1.

Kasparian, George, to Kasparians, Inc. Bar stool. 206,323, 11–29–66, Cl. D15—8.

Kasparian, George, to Kasparians, Inc. Support base for a combined table and seating unit. 206,330, 11–29–66, Cl. D33—14.

Kasparian, George, to Kasparians, Inc. Support base for a combined table and seating unit. 206,331, 11–29–66, Cl. D33—14.

Kasparians, Inc.: *See*—
Kasparian, George. 206,323.
Kasparian, George. 206,330.
Kasparian, George. 206,331.

Kasprzycki, Joseph T.: *See*—
Bergen, James W., and Kasprzycki. 205,017.

Kastrup, Raymond C.: *See*—
Moore, Cecil L., Wilner, and Kastrup. 205,237.

Kategianis, Nicholas S., to Autocrat Corp. Furnace or the like. 204,349, 4–5–66, Cl. D81—19.

Kategianis, Nicholas S., to Autocrat Corp. Wood heater. 206,204, 11–8–66, Cl. D81—19.

Katz, Otto: *See*—
Wolf, Waldemar, and Katz. 204,330.

Katzman, Lawrence, and E. Briggin, to Kaz Mfg. Co., Inc. Humidifier or the like. 205,648, 8–30–66, Cl. D83—1.

Kaufman & Broad Homes, Inc.: *See*—
Fonville, George D. 204,370.

Kaufman, Harvey R. Drive-in-restaurant building. 204,240, 4–5–66, Cl. D13—1.

Kawaguchi, Hideo: *See*—
Myers, Dean W., and Kawaguchi. 204,325.

Kawaguchi, Hideo, and D. W. Myers, to Jaybee Mfg. Corp. Cabinet knob or similar articles. 203,384, 1–4–66, Cl. D10—8.

Kawaguchi, Hideo, and D. W. Myers, to Jaybee Mfg. Corp. Cabinet pull or similar article. 204,541, 4–26–66, Cl. D10—8.

Kay Jewelry Stores, Inc.: *See*—
Helms, Donald L. 206,306.

Kay, Robert V. Shirt cuff. 203,528, 1–25–66, Cl. D3—8.

Kayden, Frederick N., and J. E. Poncher. Token-operated amusement game machine. 206,171, 11–8–66, Cl. D34—5.

Kaz Mfg. Co., Inc.: *See*—
Katzman, Lawrence, and Briggin. 205,648.

Keeler Brass Co.: *See*—
Watt, William D., Jr. 204,234.

Keeler & Dunkel, Inc.: *See*—
Lane, John. 205,055.

Kegel, Francis C. Mobile counter for a bank. 205,111, 6–21–66, Cl. D80—2.

Keiser, David H., Jr. Grass shears or the like. 203,501, 1–18–66, Cl. D22—4.

Keller, Frank, to Keller Kombination Knife, Inc. Hunting knife or similar article. 205,943, 10–11–66, Cl. D22—3.

Keller Kombination Knife, Inc.: *See*—
Keller, Frank. 205,943.

Kellerman, David. Sealed dispensing spoon or the like. 204,616, 5–3–66, Cl. D44—29.

Kelley, James B., Jr. Combination cooling cradle and drip tray for keg type containers. 204,521, 4–19–66, Cl. D67—3.

Kelley, Robert C.: *See*—
Anderson, Robert I., and Kelley. 206,170.

Kellogg, Thomas W., to Dazey Products Co. Combined can opener and knife sharpener. 204,892, 5–24–66, Cl. D37—1.

Kelly, Burton, to Sunbeam Corp. Electric shaver. 204,546, 4–26–66, Cl. D22—3.

Kelly, Burton, to Sunbeam Corp. Pitcher or the like. 206,345, 11–29–66, Cl. D44—21.

Kelly & Hueber, Inc.: *See*—
Hueber, Joseph A. and E. K. 205,421.

Kelly, Jack L., to General Electric Co. Phonograph spindle adaptor or the like. 205,724, 9–13–66, Cl. D56—4.

Kelly, Norman A., to Crystal Preforming and Packaging, Inc. Plastic jug. 205,380, 7–26–66, Cl. D58—5.

Kelly, Norman A., to Crystal Preforming and Packaging, Inc. Plastic bottle. 205,381, 7–26–66, Cl. D58—6.

Kelly, William E., to The Thomas & Betts Co., Inc. Rotatable outlet box. 203,823, 2–22–66, Cl. D26—1.

Kelsey-Hayes Co.: *See*—
Hibbard, Thomas L. 203,931.
Reid, Donald J. 205,032.
Reid, Donald J. 205,449.
Reid, Donald J. 205,470.
Reid, Donald J. 206,432.

Kelso, James W., and K. R. Johnson, to Packard-Bell Electronics Corp. Cabinet for a stereo reproducer or similar article. 206,405, 12–6–66, Cl. D56—4.

Kendall, Jackson W., Jr.: *See*—
Hack, Peter L., and Kendall. 203,565.

Kennedy, John W. Napkin holder. 204,294, 4–5–66, Cl. D44—24.

Kennedy, Joseph P., Jr., Foundation: *See*—
Snaith, William T. 203,691.

Kennedy, Thomas B., and H. A. Lord, to Diamond International Corp. Molded pulp cellular container. 204,168, 3–22–66, Cl. D58—13.

Kennedy, Thomas B., and H. A. Lord, to Diamond International Corp. Molded pulp cellular container. 204,169, 3–22–66, Cl. D58—13.

Kenner Products Co.: *See*—
Utrecht, Karl A. 203,840.
Utrecht, Karl A. 206,337.

Kermes, Constantine J., and E. F. Glass, to Sperry Rand Corp. Mower-crusher. 204,995, 6–7–66, Cl. D40—1.

Kerr, Roger B., C. F. Taylor, and F. Baranowski, Jr., to General Electric Co. Differential pressure transmitter. 205,472, 8–9–66, Cl. D55—1.

Kersten, Bruno W.: *See*—
Foster, Thomas H., Kersten, and Bartley. 206,105.

Kersten, Bruno W., to KSM Products, Inc. Stud welding gun or similar article. 204,914, 5–24–66, Cl. D62—2.

Kesler, Herman: *See*—
Rhoades, George, and Kesler. 205,189.

Ketcham, Richard P., Jr., to Aquavee Corp. Boat. 204,333, 4–5–66, Cl. D71—1.

Kettrell, Philip E., to E. A. Adams & Sons, Inc. Metal gallery. 205,245, 7–12–66, Cl. D54—2.

Key Incentives, Inc.: *See*—
Appel, Ben. 204,733.

Keys, Richard V., to Hoffman Electronics Corp. Semiconductor package. 206,327, 11–29–66, Cl. D26—1.

Khoury, Nick S., to Continental Can Co., Inc. Pull tab for a can or the like. 203,713, 2–8–66, Cl. D58—26.

Kidde, Walter, & Co., Inc.: *See*—
Weber, Karl A. 204,179.

Kidder, Harvey W. Set of chess pieces. 204,142, 3–22–66, Cl. D34—5.

Kielhorn, William V., to Lockheed Aircraft Corp. Slope measuring sled. 203,873, 2–22–66, Cl. D52—6.

Kilbey, George E. Bracket for a vehicle mirror support. 205,136, 6–28–66, Cl. D14—6.

Kilbourn, Eugene L., to Progressive Dynamics, Inc. Combined closure and gauge for a fluid system. 205,338, 7–19–66, Cl. D91—1.

Kilbourn, Eugene L., to Progressive Dynamics, Inc. Water inlet fitting. 206,421, 12–6–66, Cl. D91—1.

Kilbourn, Eugene L., R. E. Buckner, and N. W. Klootwyk, to S. H. Leggitt Co. Pump. 203,777, 2–15–66, Cl. D65—11.

Killmer, Edward: *See*—
Certo, Benjamin A., and Killmer. 205,479.

Kimberly-Clark Corp.: *See*—
Treimann, Donald W. 203,727.

Kimler, Gene M., and S. P. Edwards. Refrigerated display stand. 206,509, 12–20–66, Cl. D80—11.

Kimm, Ewald J., to United Aircraft Products, Inc. Survival heater. 205,262, 7–12–66, Cl. D81—10.

King, Charles W. Pretzel baking oven. 205,874, 9–27–66, Cl. D81—10.

King, J. Fred: *See*—
Walz, David K., and King. 206,510.

King, Maurice E.: *See*—
Jarchow, Harold L., and King. 203,720.

King Precision Co.: *See*—
Bakos, Ben J. 205,528.

King, Reynold C.: *See*—
Sellars, James F., Jr., King, and Spilman. 204,447.

King, Robert J. Fork or similar article of flatware. 203,625, 2–1–66, Cl. D54—12.

King, Robert J., to Mermaid, Inc. Bonnet for a water conditioning tank. 205,650, 8–30–66, Cl. D91—1.

Kingsford, Thaddeus I.: *See*—
Stephens, Frank H., Jr., and Kingsford. 203,569.
Stephens, Frank H., Jr., Van Haltern, and Kingsford, 205,023.

Kingsford, Thaddeus I., and F. Van Haltern, Jr. Merchandising display stand for writing instruments and the like. 204,434, 4–12–66, Cl. D80—9.

Kingsford, Thaddeus I., and F. Van Haltern, Jr., to Scripto, Inc. Merchandising display stand for writing instruments and the like. 206,201, 11–8–66, Cl. D80—9.

Kingsley, Eleanor V. Litter receptacle. 203,423, 1–4–66, Cl. D58—17.

Kingsley, Eleanor V. Litter receptacle. 203,631, 2–1–66, Cl. D58—17.

Kingsley, Eleanor V. Trash receptacle. 203,889, 2–22–66, Cl. D58—17.

Kingsley, Eleanor V. Trash receptacle. 203,890, 2–22–66, Cl. D58—17.

Kingsley, Eleanor V. Trash receptacle. 203,891, 2–22–66, Cl. D58—17.

Kingsley, Eleanor V. Litter receptacle. 204,324, 4–5–66, Cl. D58—17.

Kinkead Industries, Inc.: *See*—
Brenner, Roy L. 204,126.

Kirby, Charles A. Door hinge. 204,129, 3–22–66, Cl. D10—9.

Kirby-Cogeshall-Steinau Co., Inc.: *See*—
Vogt, Earl R. 205,493.

Kirby, David C. Building unit for use as the lower part of a bathroom. 204,051, 3–15–66, Cl. D4—4.

Kirby, David C. Inside of a building unit for use as the upper part of a bathroom. 204,228, 4–5–66, Cl. D4—4.

Kirby, David C. Unit for use as part of a cloakroom. 204,736, 5–17–66, Cl. D4—4.

Kirchenbauer, James F. Christmas ornament. 205,710, 9–13–66, Cl. D29—1.

Kirk Optical Lens Co., Inc.: *See*—
Milner, Edwin E., Jr. 205,298.

Kirkby, Roger W. Automobile storage trough. 205,064, 6–21–66, Cl. D14—6.

Kirkpatrick, James L. Toy automobile or similar article. 203,400, 1–4–66, Cl. D34—15.

Kirsch, Isidore: *See*—
Korenman, Richard, Rivera, and Kirsch. 205,200.

Kirwan, Robert M., and A. Senese. Food serving tray or similar article. 205,676, 9–6–66, Cl. D44—10.

Kiteley, Peter, to Turner Industries Ltd. Hammer head. 206,216, 11–8–66, Cl. D93—4.

Kitrosser, Samuel, and F. W. Macone. Combined camera and flashgun. 204,105, 3–15–66, Cl. D61—1.

Klausen, Leo H. Lamp. 205,858, 9–27–66, Cl. D48—18.

Klauss, Bettye J. Applique. 203,964, 3–8–66, Cl. D3—9.

Kleber, Heywood V., Jr. Fishhook remover. 203,935, 3–1–66, Cl. D31—4.

Kleen-Shot Corp.: *See*—
Serios, Nicholous W. 204,233.

Klein, Anne. Rain cape. 204,225, 4–5–66, Cl. D3—3.

Klein, Bert J., A. Bus, and J. B. Thorn, to The Lane Co., Inc. Table. 203,448, 1–11–66, Cl. D33—14.

Klein, Bert J., A. Bus, and J. B. Thorn, to The Lane Co., Inc. Table. 203,449, 1–11–66, Cl. D33—14.

Klein, Bert J., A. Bus, and J. B. Thorn, to The Lane Co., Inc. Table. 203,450, 1–11–66, Cl. D33—14.

Klein, Bert J., A. Bus, and J. B. Thorn, to The Lane Co., Inc. Table. 203,451, 1–11–66, Cl. D33—14.

Klein, Bert J., A. Bus, and J. B. Thorn, to The Lane Co., Inc. Table. 203,452, 1–11–66, Cl. D33—14.

Klein, Bert J., A. Bus, and J. B. Thorn, to The Lane Co., Inc. Table. 203,453, 1–11–66, Cl. D33—14.

Klein, Bert J., A. Bus, and J. B. Thorn. Buffet. 203,546, 1–25–66, Cl. D33—13.

Klein, Bert J., A. Bus, and J. B. Thorn. Triple dresser. 203,681, 2–8–66, Cl. D33—6.

Klein, Bert J., A. Bus, and J. B. Thorn. Table. 203,682, 2–8–66, Cl. D33—14.

Klein, Bert J., A. Bus, and J. B. Thorn, to The Lane Co., Inc. Commode table combination. 203,835, 2–22–66, Cl. D33—6.

Klein, Bert J., A. Bus, and J. B. Thorn, to The Lane Co., Inc. End table. 204,990, 6–7–66, Cl. D33—14.

Klein, Bert J., A. Bus, and J. B. Thorn, to The Lane Co., Inc. Night stand. 205,290, 7–19–66, Cl. D33—14.

Klein, Bert J., A. Bus, and J. B. Thorn, to The Lane Co., Inc. Table. 205,291, 7–19–66, Cl. D33—14.

Klein, Bert J., A. Bus, and J. B. Thorn, to The Lane Co., Inc. Side chair. 205,506, 8–16–66, Cl. D15—1.

Klein, Bert J., A. Bus, and J. B. Thorn, to The Lane Co., Inc. Chest or similar article. 205,620, 8–30–66, Cl. D33—6.

Klein, Max. Service tray for an automobile. 204,998, 6–7–66, Cl. D44—10.

Klein, Max. Refuse receptacle. 205,319, 7–19–66, Cl. D58—17.

Kleinert, I. B., Rubber Co.: *See*—
Rosenberg, Horst. 204,358.

Kleinman, Bernard, to Fedtro, Inc. Display rack. 205,816, 9–20–66, Cl. D80—10.

Kleinman, Bernard, to Fedtro, inc. Display rack. 205,817, 9–20–66, Cl. D80—10.

Kliewer, Donald L., to The Telex Corp. Headset. 204,886, 5–24–66, Cl. D26—14.

Klimkiewicz, Daniel A., ½ to R. A. Darby. Dog collar ornament or similar article. 206,525, 12–27–66, Cl. D12—2.

Klimkiewicz, Daniel A., ½ to R. A. Darby. Dog collar ornament or similar article. 206,526, 12–27–66, Cl. D12—2.

Klootwyk, Norman W.: *See*—
Kilbourn, Eugene L., Buckner, and Klootwyk. 203,777.

Klosin, John J. Compression tap connector. 205,220, 7–12–66, Cl. D26—1.

Klun, Godfrey H., to Union Carbide Corp. Cap for a dispensing can. 203,893, 2–22–66, Cl. D58—26.

Klun, Godfrey H., to Union Carbide Corp. Cap for a dispensing can. 203,894, 2–22–66, Cl. D58—26.

Klun, Godfrey H., to Union Carbide Corp. Cap for a dispensing can. 203,895, 2–22–66, Cl. D58—26.

Klun, Godfrey H., to Union Carbide Corp. Cap for a dispensing can. 203,896, 2–22–66, Cl. D58—26.

Knapp, Ohmer L., to E-Z Products, Inc. Lawn edger blade. 203,846, 2–22–66, Cl. D40—1.

Knapp, Russell D. Hand saw. 206,369, 11–29–66, Cl. D93—4.

Knodt, Ruediger W., to Corning Glass Works. Coffee maker. 204,152, 3–22–66, Cl. D44—26.

Knowles, Frederick G., to Eastman Kodak Co. Sheet material dispenser. 206,022, 10–18–66, Cl. D52—2.

Kobler, Dean L. Restaurant. 206,060, 10–25–66, Cl. D13—1.

Koch, Joachim. Wall safe cabinet. 206,033, 10–18–66, Cl. D68—1.

Kochman, Miroslav. Hostess tray. 205,535, 8–16–66, Cl. D44—10.

Koehler Mfg. Co.: *See*—
Fulton, James F. 205,083.
Lozeau, Homer A. 204,798.

Koenigsberg, Victor, to Colgate-Palmolive Co. Bottle or similar article. 205,422, 8–2–66, Cl. D58—8.

Koenigsberg, Victor, to Colgate-Palmolive Co. Jar or similar article. 205,423, 8–2–66, Cl. D58—25.

Koenigsberg, Victor, to Colgate-Palmolive Co. Bottle or similar article. 206,292, 11–22–66, Cl. D58—8.

Kohn, Robert, and M. C. Winski, to Northern Indiana Steel Supply Co., Inc. Wire carrier. 204,290, 4–5–66, Cl. D41—1.

Kohner, Wilfred. Building for dispensing ice cream. 205,283, 7–19–66, Cl. D13—1.

Konzal, Daryl R. Boat. 204,841, 5–17–66, Cl. D71—1.

Kopas, Joseph S. Coin holder. 206,182, 11–8–66, Cl. D52—4.

Korenman, Richard, R. Rivera, and I. Kirsch. Sewing machine or similar article. 205,200, 7–5–66, Cl. D70—1.

Koret, Inc.: *See*—
Koret, Richard. 203,642–6.
Koret, Richard, to Koret, Inc. Handbag clasp. 203,642, 2–1–66, Cl. D87—2.
Koret, Richard, to Koret, Inc. Handbag clasp. 203,643, 2–1–66, Cl. D87—2.
Koret, Richard, to Koret, Inc. Handbag handle. 203,644, 2–1–66, Cl. D87—2.
Koret, Richard, to Koret, Inc. Handbag clasp. 203,645, 2–1–66, Cl. D87—2.
Koret, Richard, to Koret, Inc. Handbag clasp. 203,646, 2–1–66, Cl. D87—2.

Kornfeld, Herbert L.: *See*—
Mueller, Robert J., and Kornfeld. 206,442.

Kort, John W., to Niagara Plastics Co. Combination plug and cap. 205,276, 7–12–66, Cl. D91—3.

Korte, Willard H., to Tasco Sales, Inc. Microscope illuminator or similar article. 205,096, 6–21–6, Cl. D57—1.

Koskela, Martin E., and J. J. Byrne, to Byrne Plywood Co. Snow skate. 205,186, 7–5–66, Cl. D34—14.

Kosrow, Robert L.: *See*—
Reimer, George M., and Kosrow. 204,173.

Kossnar, Dennis J., to Container Corp. of America. Covered tray for food products or the like. 204,029, 3–8–66, Cl. D58—13.

Kossnar, Dennis J., to Container Corp. of America. Combined packaging tray and cover therefor. 204,961, 5–31–66, Cl. D58—13.

Kossnar, Dennis J., to Container Corp. of America. Combined packaging tray and cover therefor. 204,962, 5–31–66, Cl. D58—13.

Kossnar, Dennis J., to Container Corp. of America. Combined packaging tray and cover therefor. 204,963, 5–31–66, Cl. D58—13.

Kouba, Leslie C.: *See*—
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Kozacka, Frederick J., to The Chase-Shawmut Co. Electric fuse. 205,508, 8–16–66, Cl. D26—1.

Kraft, Richard. Combined desk and shelf unit therefor for pharmacists. 204,191, 3–29–66, Cl. D16—1.

Kramer, Joachim, H. Schonfeld, and G. Stark, to ESGE Export AG. Warming platter. 204,070, 3–15–66, Cl. D44—10.

Krattenstein, Karl L. Holder for a telephone handset. 205,222, 7–12–66, Cl. D26—14.

Kraus, Walter F.: *See*—
Dalton, William F., Davis, Kraus, and McCormick. 205,510.
Dalton, William F., Davis, Kraus, and McCormick. 205,511.
Dalton, William F., and Kraus. 203,542.
Dalton, William F., Kraus, and McCormick. 205,512.

Kreisler, Jacques, Mfg. Corp.: *See*—
Speck, Kurt. 204,790.

Kreizel, William J., to Emenee Industries, Inc. Electric organ. 205,963, 10–11–66, Cl. D36—2.

Kremkau, Ward J., Jr., to AMP Inc. Tool for applying clips. 205,630, 8–30–66, Cl. D54—13.

Kress, George H., and A. Sarkis, Jr. Typewriter. 205,811, 9–20–66, Cl. D64—11.

Krieger, Alvin W.: *See*—
Collins, Harry J., Jr., and Krieger. 204,058.
Collins, Harry J., Jr., and Krieger. 204,059.

Krieger, Larry L. Girdle. 203,980, 3–8–66, Cl. D20—2.

Krieger, Larry L. Panty girdle. 203,981, 3–8–66, Cl. D20—2.

Krieger, Larry L. Panty girdle. 205,287, 7–19–66, Cl. D20—2.

Krieger, Larry L. Girdle. 206,066, 10–25–66, Cl. D20—2.

Kristiansen, Knud M., to A/S Lego System. Toy construction piece. 206,012, 10–18–66, Cl. D34—15.

Kristowski, Dennis L., to United States Rubber Co. Plastic coated sheet material. 206,315, 11–22–66, Cl. D87—3.

Kroemer, Robert H., Jr. Restaurant counter unit. 204,918, 5–24–66, Cl. D80—2.

Kroll, Frederick H.: *See*—
Pawelka, Gustav J., and Kroll. 205,102.

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Krutzikowsky, Klaus E. B. Tent. 206,112, 10–25–66, Cl. D88—3.

Kulesa, Bernard S. Shirt. 205,703, 9–13–66, Cl. D3—25.

Kulka, Kurt: *See*—
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Kunkel, Harold E. Air conditioning unit for automotive vehicles. 205,615, 8–30–66, Cl. D14—6.

Kunz, Gerald, to The B. F. Goodrich Co. Tire. 205,491, 8–9–66, Cl. D90—20.

Kuramochi, Shigeaki. Toy sewing machine. 206,013, 10–18–66, Cl. D34—15.

Kuramochi, Shigeaki. Toy calculating machine. 206,385, 12–6–66, Cl. D34—15.

Kurrasch, Calvin R. Playground swing. 203,399, 1–4–66, Cl. D34—5.

Kurtts, George J., to Alabama Metal Industries Corp. Metal sheet. 204,414, 4–12–66, Cl. D54—2.

Kus, Theodore A., to Universal Form Clamp Co. Clamp for panel forms. 204,906, 5–24–66, Cl. D54—1.

Kusan, Inc.: *See*—
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Kushmuk, Walter P., to Ammco Tools, Inc. Brake cylinder gauge. 206,183, 11–8–66, Cl. D52—6.

La Barber, Joseph A. Massager. 205,877, 9–27–66, Cl. D83—1.

Labell, Larry, to Vulcan Chair Corp. Automobile tie-down hook. 205,682, 9–6–66, Cl. D54—11.

Lacivita, Michael J. Bicycle parking stand. 205,431, 8–2–66, Cl. D90—18.

Lagerstrom, Robert C., and J. R. Mango, to National Union Electric Corp. Vacuum cleaner. 203,808, 2–22–66, Cl. D9—2.

Lagerstrom, Robert C., and J. R. Mango, to National Union Electric Corp. Vacuum cleaner. 203,968, 3–8–66, Cl. D9—2.

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Lakin, Harold, to Litton Precision Products, Inc. Apparatus for exposing light sensitive photographic film. 205,688, 9–6–66, Cl. D61—1.

Lakin, Willis M., to Marlin Toy Products, Inc. Enclosed ferris wheel toy. 205,366, 7–26–66, Cl. D34—15.

Lamb, Terrence R. Automobile windshield defrosting unit. 205,505, 8–16–66, Cl. D14—6.

Lambach, Frederick A. Surfboard. 206,506, 12–20–66, Cl. D71—1.

Lambert, Bryan H., and L. L. Routh, to The Emerson Electric Co. Panel for a combined letter drop, illuminated house number and door signal. 206,197, 11–8–66, Cl. D74—9.

La Mers, Herbert, and M. W. Wayne, to California Car Wash Systems Inc. Vacuum cleaner. 205,759, 9–20–66, Cl. D9—2.

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Landell, Harper, and T. C. Abrahamsen, to The Black and Decker Mfg. Co. Portable power-driven tool. 206,459, 12–13–66, Cl. D54—14.

Landis, Henry R., and T. E. Wright. Liquid dispenser. 204,591. 5–3–66, Cl. D2—3.

Landvater, John H. Dial knob. 204,312, 4–5–66, Cl. D52—6.

Lane Co., Inc., The: *See*—
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Lane, John, to Keeler & Dunkel, Inc. Frame for a rotatable sign. 205,055, 6–21–66, Cl. D1—12.

Lang, Victor. Bird house. 206,125, 11–1–66, Cl. D31—2.

Langdon, Arthur J., to Edward Weck & Co., Inc. Thermometer rack. 204,851, 5–17–66, Cl. D83—1.

Lange, Karl H., to Voigtlander A.G. Camera. 206,465, 12–13–66, Cl. D61—1.

Langner, Saul. Hand sweeper. 205,831, 9–27–66, Cl. D9—2.

Lanigan, Richard W., to American Hospital Supply Corp. Dental console. 203,439, 1–11–66, Cl. D24—1.

Lanphere, Ralph C., and B. L. Renquist, to J. I. Case Co. Tractor cab. 205,207, 7–5–66, Cl. D14—3.

Lantery, Harry E., to Imagineera Inc. Warning lamp. 205,020. 6–7–66, Cl. D72—1.

Lapworth, Charles W. Sailboat with retractable hatch cover. 206,413, 12–6–66, Cl. D71—1.

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Larsen, Charles A., to George Gorton Machine Co. Metal working machine head. 205,907. 10–4–66, Cl. D54—14.

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Late, Erich E., and G. L. Webb, to Wells Mfg. Corp. Voltage regulator. 203,993, 3–8–66, Cl. D26—13.

Latham, Peter A., and P. E. Brefka, to Socony Mobil Oil Co., Inc. Merchandising container or the like. 204,502, 4–19–66, Cl. D58—12.

Latham, Peter A., and P. E. Brefka, to Socony Mobil Oil Co., Inc. Merchandising container or similar article. 204,503, 4–19–66, Cl. D58—12.

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Latham, Richard, to American Home Products Corp. Spoon or the like. 205,539, 8–16–66, Cl. D44—29.

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Latham, Richard S., to American Home Products Corp. Spoon or the like. 206,548, 12–27–66, Cl. D44—29.

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Lawlor, George R., to Carrier Current Controls Corp. Push button housing. 206,440, 12–13–66, Cl. D26—13.

Lawlor, John K. Marine signal flare. 205,973, 10–11–66, Cl. D72—1.

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Lax, Michael S., to Lightolier Inc. Desk lamp. 203,862, 2–22–66, Cl. D48—20.

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Laylon, Harry, and W. V. Judson, to General Electric Co. Clock or similar article. 204,292, 4–5–66, Cl. D42—7.

Laylon, Harry L., to Sunbeam Corp. Clock housing. 205,146, 6–28–66, Cl. D42—7.

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Lehman, Ernest. Golf ball retriever. 206,076, 10–25–66, Cl. D34—5.

Leifield, Robert F., to Mallinckrodt Chemical Works. Container for chromatographic materials. 205,970, 10–11–66, Cl. D58—13.

Lepoix, Louis L., to Societe Anonyme Tefal. Skillet or similar article. 204,996, 6–7–66, Cl. D44—1.

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Levin, Monte L., to General Time Corp. Clock. 204,774, 5–17–66, Cl. D42—7.

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Lindstrom, Karl H., and K. L. Phlson, to Electrolux Aktiebolaget. Washing machine. 204,308, 4–5–66, Cl. D49—1.
Lingelbach, Gerald A.: *See*—
Stromquist, Michael E., and Lingelbach. 204,111.
Linn, James L., to Owens-Illinois, Inc. Jug. 203,417, 1–4–66, Cl. D58—5.
Linn, James L., Jr., to Owens-Illinois, Inc. Jug. 204,703, 5–10–66, Cl. D58—5.
Linn, James L., Jr., to Owens-Illinois, Inc. Bottle. 205,636, 8–30–66, Cl. D58—7.
Lionel Corp., The: *See*—
Iammatteo, Pasquale. 205,406.
Lippisch, Hangwind F., to Rubbermaid Inc. Cup and plate rack. 204,198, 3–29–66, Cl. D44—29.
Lippman, Jerome. Holder for coins and keys. 206,144, 11–1–66, Cl. D87—3.
Lisle Corp.: *See*—
Von Tersch, Alfred L. 204,368.
Lithonia Lighting, Inc.: *See*—
Carter, Timothy N. 206,021.
Walz, David K. 206,019.
Lithonia Lighting Products Co.: *See*—
Walz, David K. 205,372.
Little, Ellwood E., to The Coleman Co., Inc. Griddle. 204,197, 3–29–66, Cl. D44—1.
Little Giant Corp.: *See*—
Faison, Charles B. 204,645.
Little, William F., and V. S. Wince, ½ to Holophane Co., Inc. and ½ to Electric Testing Laboratories, Inc. Luminaire refractor. 206,020, 10–18–66, Cl. D48—16.
Littmann, David, to Cardiosonics Medical Instruments Corp. Stethoscope head. 205,171, 6–28–66, Cl. D83—12.
Litton Precision Products, Inc.: *See*—
Lakin, Harold. 205,688.
Lloyd, Clifford T. Tray. 206,450, 12–13–66, Cl. D44—10.
Lloyd, Sally G., and L. G. Crawford. Face protecting breathing mask or the like. 204,919, 5–24–66, Cl. D83—1.
Lloyd, William: *See*—
Darrah, James G., and Lloyd. 205,138.
Lobbengerg, Anne M., to Dorsets Silhouette Ltd. Girdle. 205,894, 10–4–66, Cl. D20—2.
Lochheim, William S., to Bobrick Mfg. Corp. Partition mounted receptacle. 203,925, 3–1–66, Cl. D4—3.
Lockhart, Marianne W. Rotatable rack for condiment containers or the like. 205,152, 6–28–66, Cl. D44—29.
Lockheed Aircraft Corp.: *See*—
Crus, Edward S. 204,433.
Flock, Arthur E., Jr. 205,563.
Forsyth, Robert W. and J. P. 203,534.
Kielhorn, William V. 203,873.
Ulbrich, Herman G. 205,812.
Loctite Corp.: *See*—
Nystrom, Robert G. 206,551.
Loeb, Morris. Drawer handle. 204,663, 5–10–66, Cl. D10—8.
Loeb, Morris. Drawer knob. 204,977, 6–7–66, Cl. D10—8.
Loeb, Morris. Drawer pull. 204,978, 6–7–66, Cl. D10—8.
Loeb, Morris. Drawer pull. 204,979, 6–7–66, Cl. D10—8.
Loehlein, Harold J., and E. E. Curran, to Reynolds Metals Co. Heat exchanger unit. 204,530, 4–19–66, Cl. D81—21.
Loeser, Louis. Display shelving unit. 204,845, 5–17–66, Cl. D80—9.
Loesser, Ernest W. Collapsible tubelike container or similar article. 205,965, 10–11–66, Cl. D58—2.
Loewy, Raymond. Town car. 203,667, 2–8–66, Cl. D14—3.
Logan Hospital Equipment Co.: *See*—
Logan, Hugh H., Doty, and Alfultis. 204,057.
Logan, Hugh H., G. I. Doty, and F. K. Alfultis, to Logan Hospital Equipment Co. Mounting bracket for a corridor rail. 204,057, 3–15–66, Cl. D13—7.
Lo Jacono, Francis X. Golf range finder. 203,604, 2–1–66, Cl. D34—5.
Loma Industries: *See*—
Benjamin, E. Burton. 204,185.
Davis, John D. 204,507.
Loney, James R., to Plastic Packaging Products Ltd. Compartmented box liner. 205,198, 7–5–66, Cl. D58—13.
Long, Douglas A.: *See*—
Parriott, Joseph M., and Long. 205,845.
Long, Douglas A. Dispenser for coffee or the like. 204,590, 5–3–66, Cl. D2—3.
Long, James M., to A. G. Spalding & Bros. Inc. Golf club head. 203,936, 3–1–66, Cl. D34—5.
Long, William D., and R. E. Ten Eyck, to Hesston Mfg. Co., Inc. Combined windrower and conditioner. 204,612, 5–3–66, Cl. D40—1.
Loose, Winfield W., to AMP Inc. Card Reader. 204,040, 5–31–66, Cl. D26—5.
Loosen, Ronald E., and R. M. Bergo, to Ampex corp. Magnetic tape transport. 203,506, 1–18–66, Cl. D26—14.
Loosen, Ronald E., and L. C. Sanderson, to Ampex Corp. Mass core memory enclosure for electronic data processing. 203,987, 3–8–66, Cl. D26—5.
Loosen, Ronald E., and L. C. Sanderson, to Ampex Corp. Magnetic tape transport. 204,938, 5–31–66, Cl. D26—5.
Loosme, Oskar: *See*—
Buhrendorg, Frederick G., Dreyfuss, and Loosme. 205,878.
Lopes-Fabrega, Rodrigo, and G. L. Schick, to National Distillers and Chemical Corp. Carbonated beverage dispenser. 206,371, 12–6–66, Cl. D2—3.
Lopiano, Jennie L. Rack for holding toilet articles, or the like. 206,254, 11–15–66, Cl. D86—10.
Lord, Elizabeth H. Clothes brush. 203,926, 3–1–66, Cl. D9—2.
Lord, Henry A.: *See*—
Kennedy, Thomas B., and Lord. 204,168.
Kennedy, Thomas B., and Lord. 204,169.
Lorenzen, Arnold I., deceased, by G. M. Lorenzen, executrix, to Owens-Illinois, Inc. Bottle. 204,025, 3–8–66, Cl. D58—6.
Lorenzen, Arnold I., deceased, by G. M. Lorenzen, executrix, to Owens-Illinois, Inc. Bottle. 204,026, 3–8–66, Cl. D58—6.
Lorenzen, Gertrude M.: *See*—
Lorenzen, Arnold I. 204,025.
Lorenzen, Arnold I. 204,026.
Loscalzo, Domenick F., and A. J. Barsanti, to Visionade Mfg. Co., Inc. Pipe holder or similar article. 204,856, 5–17–66, Cl. D85—8.
Lott, Henry H. Portable work station. 204,493, 4–19–66, Cl. D55—1.
Loudon, Bryce L., and K. R. de Giorgis. Toy helmet with revolving streamer. 205,926, 10–11–66, Cl. D3—13.
Louick, Leonard. Shovel handle. 204,008, 3–8–66, Cl. D39—1.
Louik, Leonard. Garment hanger. 206,303, 11–22–66, Cl. D80—8.
Lovejoy, Charles K., to Scripto, Inc. Writing instrument. 205,645, 8–30–66, Cl. D74—17.
Lovejoy, Charles K., and F. H. Stephens, Jr., to Scripto, Inc. Casing for a cigarette lighter. 205,626, 8–30–66, Cl. D48—27.
Lovejoy, Charles K., and F. H. Stephens, Jr., to Scripto, Inc. Casing for a cigarette lighter. 205,627, 8–30–66, Cl. D48—27.
Lovett, Glenna B.: *See*—
Lovett, Robert E. and G. B. 204,073.
Lovett, Robert E. and G. B. Serving dish. 204,073, 3–15–66, Cl. D44—10.
Lovett, Wendell H. Portable fireplace stove. 204,968, 5–31–66, Cl. D81—7.
Lowe, Henry E., Jr. Sanitary cat box. 203,929, 3–1–66, Cl. D12—2.
Lowenthal, Hans, to Calibri Lighters Ltd. Stem of a smoker's pipe. 204,652, 5–3–66, Cl. D85—8.
Lowrey, William E., C. E. Anderson, and R. A. Gulick, to ACF Industries, Inc. Gate valve. 203,432, 1–4–66, Cl. D91—3.
Lowrey, William E., and C. E. Anderson, to ACF Industries, Inc. Gate valve. 203,433, 1–4–66, Cl. D91—3.
Lowrey, William E., and C. E. Anderson, to ACF Industries, Inc. Gate valve. 204,654, 5–3–66, Cl. D91—3.
Lowrey, William E., and C. E. Anderson, to ACF Industries, Inc. Gate valve. 204,655, 5–3–66, Cl. D91—3.
Lowrey, William E., and C. E. Anderson, to ACF Industries, Inc. Gate valve. 205,024, 6–7–66, Cl. D91—3.
Lowry, Alan B., to The Gillette Co. Display package of toilet articles. 206,558, 12–27–66, Cl. D58—2.

Lozeau, Homer A., to Koehler Mfg. Co. Storage battery for miner's lamps. 204,798, 5–17–66, Cl. D48—24.
Lubin, Sylvan M. Golf club putter head. 204,000, 3–8–66, Cl. D34—5.
Lubin, Sylvan M. Putter head. 204,001, 3–8–66, Cl. D34—5.
Lufkin Co., The: *See*—
Zelnick, Charles. 206,467.
Luft, Walter J., to Jacoby-Bender, Inc. Link chain for a bracelet or the like. 203,469, 1–11–66, Cl. D45—4.
Luft, Walter J., to Jacoby-Bender, Inc. Link chain for a bracelet or the like. 204,678, 5–10–66, Cl. D45—4.
Luger, Marvin A.: *See*—
Werner, Frank D., Darr, Luger, and Petersen. 203,806.
Lukas, Konstantin B. Arm swim float. 205,327, 7–19–66, Cl. D71—1.
Lunde, Storm H. Suspended cooking vessel. 206,474, 12–13–66, Cl. D81—10.
Lundell, Vernon J. Farm tractor. 205,352, 7–26–66, Cl. D14—3.
Lurkis, Alexander: *See*—
Deskey, Donald, and Lurkis. 206,393.
Deskey, Donald, and Lurkis. 206,394.
Deskey, Donald, and Lurkis. 206,395.
Lutz, Eugene F., and G. A. Schroeder. Hair comb. 203,734, 2–8–66, Cl. D86—8.
Lutz, Joseph M., and L. T. Petell. Automobile rain guard for drive-in theaters. 203,815, 2–22–66, Cl. D14—6.
Lydon, Frank L., to Sun Battery Co. Bottle closure. 204,103, 3–15–66, Cl. D58—26.
Lykes, Norman R. Bottle or similar article. 203,885, 2–22–66, Cl. D58—6.
Lykins, Earl D. Tool for removing spark plugs. 204,206, 3–29–66, Cl. D54—13.
Lynch, Dallas R., to United States of America, Army. Easel for a circuit board or the like. 206,305, 11–22–66, Cl. D80—9.
Lyster, Ole. Telephone number indicator. 206,160, 11–8–66, Cl. D26—14.
M-R-S Mfg. Co.: *See*—
Simmons, Lovel R., and Ray. 204,750.
Simmons, Lovel R., and Ray. 204,754.
Simmons, Lovel R., and Ray. 205,935.
MSL Industries: *See*—
Bluemink, Gary G. 205,662.
High, Jack G. 206,283.
M. T. & D. Co., The: *See*—
Hoffmann, Harald R. 205,295.
Musichuk, Alexander B. 206,175.
Musichuk, Alexander B. 206,543.
Maas, Alfred E., to Maidenform, Inc. Long-line brassiere. 206,157, 11–8–66, Cl. D20—4.
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MacCowan, Hervey L., to Airguide Instrument Co. Weather indicating instrument. 206,088, 10–25–66, Cl. D52—7.
MacCowan, Hervey L., to Airguide Instrument Co. Weather indicating instrument. 206,350, 11–28–66, Cl. D52—7.
MacDuckston, Wesley A. Cable car drive-in restaurant. 203,532, 1–25–66, Cl. D13—1.
Macey, John E., to Cavenco Products Ltd. Draft excluder for doors and windows. 205,933, 10–11–66, Cl. D13—6.
MacKay, Robert H. Combined food storage tray and cover therefor. 204,475, 4–19–66, Cl. D44—10.
MacKay, Robert H. Cart for transporting food trays and the like. 206,481, 12–20–66, Cl. D14—3.
Mackenzie, Franklin H. Putter. 206,540, 12–27–66, Cl. D34—5.
MacKrell, William B., to Standard Packaging Corp. Electric envelope opener. 204,338, 4–5–66, Cl. D74—10.
MacLafferty, Taylor D.: *See*—
Clary, Joseph F., Cuccio, Dean, Fesmire, MacLaffery, Sheppard, Sichert, and Squier. 205,105.
MacMeekin, Robert A.: *See*—
Ryan, John W., and MacMeekin. 203,759.
MacNaughton, Allster B. Spray can atomizing pump. 204,517, 4–19–66, Cl. D62—2.
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Kitrosser, Samuel, and Macone. 204,105.
Macowski, William, to Ketcham L. McDougall, Inc. Letter holder. 205,644, 8–30–66, Cl. D74—9.
MacRobbie, Robert, and M. W. Boll, to Richmond Screw Anchor Co., Inc. Strand deflection insert for prestressed concrete. 204,620, 5–3–66, Cl. D51—1.
MacRobbie, Robert M., and M. W. Boll, to Richmond Screw Anchor Co. Inc. Strand deflection insert for prestressed concrete. 204,559, 4–26–66, Cl. D51—1.
MacWherter, George W., to The B. F. Goodrich Co. Tire. 205,432, 8–2–66, Cl. D90—20.
Maddox, Curtis, and T. N. Tripp. Water sprinkler base. 204,536, 4–19–66, Cl. D91—3.
Mader, Robert J. Golf putter. 204,890, 5–24–66, Cl. D34—5.
Mader, Robert J. Golf putter. 205,953, 10–11–66, Cl. D34—5.
Madl, Alfred W., to John Oster Mfg. Co. Combined display and charging unit for battery operated toothbrushes. 205,991, 10–18–66, Cl. D4—3.
Madl, Alfred W., to John Oster Mfg. Co. Electric shaver. 206,266, 11–22–66, Cl. D22—3.
Madl, Alfred W., and R. D. Raitnen, to John Oster Mfg. Co. Hair dryer. 204,582, 4–19–66, Cl. D86—10.
Madl, Alfred W. and R. D. Raitnen, to John Oster Mfg. Co. Ice crusher. 205,430, 8–2–66, Cl. D89—1.
Maffei, Leo J., to Emhart Corp. Door handle. 204,203, 3–29–66, Cl. D50—3.
Magers, Paul E. Surgical suction and irrigation pump kit. 204,353, 4–5–66, Cl. D83—12.
Magna Five, Inc.: *See*—
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Magness, Albert H. Picket. 206,061, 10–25–66, Cl. D13—7.
Magnet Mills, Inc.: *See*—
Wallner, Jon, Jr. 204,617.
Wallner, Jon Jr. 204,897.
Magnuson, Raymond A., to Vogel-Peterson Co. Combined hat and coat rack. 205,849, 9–27–66, Cl. D33—8.
Magnuson, Raymond A., to Vogel-Peterson Co. Garment hook. 206,232, 11–15–66, Cl. D33—8.
Magnuson, Raymond A., and R. W. Schier, to Vogel-Peterson Co. Shelf assembly. 205,520, 8–16–66, Cl. D33—8.
Magnuson, Raymond A., and R. W. Schier, to Vogel-Peterson Co. Garment rack. 205,666, 9–6–66, Cl. D33—8.
Magnuson, Raymond A., and R. W. Schier, to Vogel-Peterson Co. Umbrella stand. 205,668, 9–6–66, Cl. D33—17.
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Maas, Alfred E. 206,157.
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Maize, James W.: *See*—
James, David F., and Maize. 206,318.
James, David F., and Maize. 206,373.
James, David F., and Maize. 206,430.
Majestic Co., Inc., The: *See*—
Winegardner, Donald E. 205,569.
Makara, Robert. Combined cup and base therefor. 205,868, 7–26–66, Cl. D44—9.
Malek, Jack H., and R. C. Turner, ½ to H. Greenwald, and ½ to L. Wolff. Escutcheon. 205,193, 7–5–66, Cl. D50—6.
Malespina, Joseph J., to American District Telegraph Co. Door burglar alarm. 206,507, 12–20–66, Cl. D72—1.
Maljan, Francis A.: *See*—
Hanna, Michael J., and Maljan. 204,396.
Malk, Marvin L., to Imperial Cap Works, Inc. Hat. 205,752, 9–20–66, Cl. D3—13.
Mallinckrodt Chemical Works: *See*—
Leifield, Robert F. 205,970.
Mallory, P. R., & Co., Inc.: *See*—
Simmons, Harold T. 204,060.
Malmik Enterprises: *See*—
Hanna, Michael J., and Maljan. 204,396.
Maltese, Frank P. Public convenience building. 204,603, 5–3–66, Cl. D13—1.
Manderfield, Ellen B., to Oneida Ltd. Spoon or similar article. 203,475, 1–11–66, Cl. D54—12.
Manderfield, Ellen B., to Oneida Ltd. Spoon or similar article. 203,476, 1–11–66, Cl. D54—12.
Manderfield, Ellen B., to Oneida Ltd. Spoon or similar article. 203,477, 1–11–66, Cl. D54—12.
Manderfield, Ellen B., to Oneida Ltd. Spoon or similar article. 203,478, 1–11–66, Cl. D54—12.
Manderfield, Ellen B., to Oneida Ltd. Spoon or similar article. 203,479, 1–11–66, Cl. D54—12.
Manderfield, Ellen B., to Oneida Ltd. Spoon or similar article. 205,376, 7–26–66, Cl. D54—12.
Manero, Emily P. Doll. 205,292, 7–19–66, Cl. D34—4.
Manfred, Estelle: *See*—
Cutler, Lois C., and Manfred. 205,281.
Manfredonia, Mario. Combined waste receptacle and tray. 205,801, 9–20–66, Cl. D58—17.
Mango, Joseph R.: *See*—
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Lagerstrom, Robert C., and Mango. 203,968.
Mango, Joseph R., to Mid-Continent Mfg. Co. Anti-freeze tester. 204,807, 5–17–66, Cl. D52—7.
Mann, Samuel J.: *See*—
De Puy, Ronald G., and Mann. 204,476.
Manual Arts Furniture Co.: *See*—
Shearin, Hubert S. 205,192.
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Mattos, Anthony A. 204,186.
Marchant, Paul A., to Rexall Drug and Chemical Co. Plastic can. 205,686, 9–6–66, Cl. D58—17.
Marchello, John L.: *See*—
Zbikowski, Ted, and Marchello. 205,983.
Marchello, John L., to Joseph Buegeleisen Co. Safety helmet. 204,445, 4–19–66, Cl. D3—13.
Marchese, Ludovico. Combined radio-receiver, record player and television receiver. 204,208, 3–29–66, Cl. D56—4.
Marchetti, Steven T. Display stand. 204,718, 5–10–66, Cl. D80—10.
Marchi, Vitalino: *See*—
Bloch, Jack, and Marchi. 206,353.
Marcyan, Stanley: *See*—
Marcyan, Walter and S. 204,397.
Marcyan, Walter and S. Physical exercising apparatus. 204,397, 4–12–66, Cl. D34—5.
Marghab, Vera W. Napkin or the like. 203,574, 1–25–66, Cl. D92—26.

Marien, Henry J., and J. B. Swett, to Rexall Drug and Chemical Co. Floral arrangement frog or the like. 204,553, 4–26–66, Cl. D35—3.

Marine Swimming Pool Equipment Co.: *See*—
Berg, Jack A. 203,974.
Berg, Jack A. 203,975.
Berg, Jack A. 203,976.

Marino, Nicola A. Artificial fishing lure. 203,509, 1–18–66, Cl. D31—4.

Meriol, James F. Hair dryer hood. 206,210, 11–8–66, Cl. D86—10.

Mark, Morris. Table pedestal or the like. 205,361, 7–26–66, Cl. D33—14.

Marks, Lou F., to Bruce Molded Plastic Products, Inc. Sample display board for a luggage handle and the like. 204,038, 3–8–66, Cl. D80—5.

Marlan Co.: *See*—
Dunn, Lyman D., and Gembicki. 205,468.

Marlin Toy Products, Inc.: *See*—
Lakin, Willis M. 205,366.

Marona, Robert N., to General Foods Corp. Dispensing cap. 206,411, 12–6–66, Cl. D58—26.

Marotta, Arthur R.: *See*—
Cappucci, Edward M., and Marotta. 206,443.

Marotz, Raymond C. Electric wiring staple. 205,375, 7–26–66, Cl. D54—9.

Marriott, Bernard J., to G. B. Britton & Sons (Holdings) Ltd. Foot gauge. 205,807, 7–19–66, Cl. D52—6.

Marriott-Hot Shoppes, Inc.: *See*—
Bridger, Edward C. 205,761.

Marschak, Howard J. Display stand. 204,178, 3–22–66, Cl. D80—9.

Marshall, Anthony, to Northern Electric Co. Ltd. Coin telephone shelf. 205,060, 6–21–66, Cl. D13—1.

Marshall, Eric J., E. G. Grinyer, and P. J. Barber, to The Hoover Co. Electric iron. 205,903, 10–4–66, Cl. D49—6.

Marshall, George L., to Central Tool Co. Journal gage. 204,090, 3–15–66, Cl. D52—6.

Marshall, John J.: *See*—
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Martens, H. Henry, to The Stanley Works. Drapery traverse rod. 205,768, 9–20–66, Cl. D21—1.

Martens, Le Roy. Propeller. 203,719, 2–8–66, Cl. D71—1.

Martens, LeRoy. Propeller. 203,721, 2–8–66, Cl. D71—1.

Marti, Frederic, and G. Braunschweig. Timepiece dial. 205,596, 8–23–66, Cl. D42—1.

Martignoli, Louis, to S. A. Bjorgensen. Restaurant booth seat or similar article. 205,766, 9–20–66, Cl. D15—11.

Martin, Albert W.: *See*—
Vogt, Noland E., and Martin. 203,751.

Martin, Albert W., to Ampex Corp. Magnetic tape transport. 205,592, 8–23–66, Cl. D26—5.

Martin, Algy E.: *See*—
Downing, James R., and Martin. 204,304.

Martin, John E.: *See*—
Dyment, Glen C., and Martin. 205,286.

Martin, Rand H., to H P E Inc. Motor housing and centrifugal pump combination. 206,250, 11–15–66, Cl. D65—1.

Martin, Richard T.: *See*—
Geib, Robert L., and Martin. 206,162.

Martin, Warner W., to The Lau Blower Co. Humidifier. 204,107, 3–15–66, Cl. D62—4.

Martin, Warner W., to The Lau Blower Co. Humidifier housing. 204,715, 5–10–66, Cl. D62—4.

Martin, Warner W., to The Lau Blower Co. Humidifier. 204,716, 5–10–66, Cl. D62—4.

Martin, Warner W., to The Lau Blower Co. Humidifier. 204,966, 5–31–66, Cl. D62—4.

Martini, Joseph C. Milk carton holder. 203,403, 1–4–66, Cl. D44—21.

Marvel Jewelry Mfg. Co.: *See*—
Albanese, Arthur. 205,783.

Marx, Louis, & Co., Inc.: *See*—
Campbell, Laurie J. 203,843.
Palmer, James W. 205,529.
Thompson, Norman L. 204,287.
Thompson, Norman S. 205,187.

Maryland Plastics Inc.: *See*—
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Maslow, Louis. Silverware basket. 204,076, 3–15–66, Cl. D44—29.

Mason, Arthur R., to Bowthorpe Engineering Co. Ltd. Cable spacer. 204,456, 4–19–66, Cl. D26—1.

Mason, Betty J., and D. M. Epstein. Child's shoe. 204,053, 3–15–66, Cl. D7—7.

Mason, Monica A. Floor sweeper cover or similar article. 203,810, 2–22–66, Cl. D9—2.

Massaccesi, Raymond A., to A. Bagge and G. Hines, d.b.a. Balance Products Co. Clutch balancing machine. 203,474, 1–11–66, Cl. D52—6.

Mast-Foos Mfg. Co., Inc.: *See*—
Musgrave, Orly. 205,312.

Masterson, Norma B. Combination chair and horizontal swing bar unit. 205,353, 7–26–66, Cl. D15—1.

Masuda, Shigeru. Plate or similar article. 204,293, 4–5–66, Cl. D44—15.

Mather, Bill: *See*—
Gussack, William, and Mather. 206,134.

Mathews, Howard G. Building structure. 203,930, 3–1–66, Cl. D13—1.

Mathis, Cleo D. Combined fire basket and log lighter. 206,416, 12–6–66, Cl. D81—18.

Matsuda, Harry K., to Ampex Corp. Stereo loud-speaker unit or similar article. 206,070, 10–25–66, Cl. D26—14.

Matsuda, Harry K., to Ampex Corp. Two piece cover for a stereo tape recorder or similar article. 206,123, 11–1–66, Cl. D26—14.

Mattel, Inc.: *See*—
Ryan, John W. 203,648.
Ryan, John W. 206,487.
Ryan, John W., and Schlau. 206,542.
Ryan, John W., and Schmidt. 206,334.

Mattos, Anthony A., to Marbill Co. Shoe sole or similar article. 204,186, 3–29–66, Cl. D7—5.

Matz, Herman V. Spoon or similar article. 203,767, 2–15–66, Cl. D54—12.

Maul, Michael: *See*—
Wolf, Waldemar, and Katz. 204,330.

Maurer, John A., and D. A. Walquist, to The Weber Dental Mfg. Co. Dental stand unit. 206,267, 11–22–66, Cl. D24—1.

Maurus, John. Laundry tray. 206,257, 11–22–66, Cl. D4—3.

Maxemovich, Marco. Tire sidewall buttress. 205,051, 6–14–66, Cl. D90—20.

Maxemovich, Marco, and J. W. Taylor, to United States Rubber Co. Tire. 204,359, 4–5–66, Cl. D90—20.

Maxemovich, Marco, and J. W. Taylor, to United States Rubber Co. Tire. 205,274, 7–12–66, Cl. D90—20.

Maxemovich, Marco, and J. W. Taylor, to United States Rubber Co. Tire. 206,334, 7–19–66, Cl. D90—20.

May, Avery D.: *See*—
Seifart, Curt, and May. 203,618.

Mayer, Otto. Combined foam brush and advertising card. 203,383, 1–4–66, Cl. D9—2.

Mayer, Otto. Coin holder. 205,578, 8–16–66, Cl. D87—3.

Mayeur, Jean, to Cartier, Inc. Trophy or the like. 206,446, 12–13–66, Cl. D29—28.

Maytag Co., The: *See*—
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Mazur, Richard A., to United States Rubber Co. Plastic coated sheet material. 204,181, 3–22–66, Cl. D87—3.

Mazur, Richard A., to United States Rubber Co. Plastic coated sheet material. 205,607, 8–23–66, Cl. D87—3.

Mazur, Richard A., to United States Rubber Co. Plastic coated sheet material. 206,211, 11–8–66, Cl. D87—3.

Mazur, Richard A., to United States Rubber Co. Plastic coated sheet material. 206,313, 11–22–66, Cl. D87—3.

Mazur, Richard A., to United States Rubber Co. Plastic coated sheet material. 206,314, 11–22–66, Cl. D87—3.

Mazur, Richard A., to United States Rubber Co. Plastic coated sheet material. 206,365, 11–29–66, Cl. D87—3.

McCartney, Richard F. Toy box. 204,401, 4–12–66, Cl. D34—15.

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Eaton, George E., Hartman, and McCartney. 206,539.

McClure, Frank. Automobile dashboard ashtray. 203,641, 2–1–66, Cl. D85—2.

McComb, Kenneth H., to Dorsey-McComb Distributors, Inc. Extruded cereal puff food product. 204,928, 5–31–66, Cl. D8—1.

McConnell, Clifford G. Cultivator tooth. 204,471, 4–19–66, Cl. D39—1.

McCormack, Donald C. Fluorescent lighting fixture. 204,797, 5–17–66, Cl. D48—23.

McCormick & Co., Inc.: *See*—
Zona, Naldo A. 205,248.

McCormick, Daniel M. Sign holder. 205,492, 8–16–66, Cl. D1—3.

McCormick, Daniel M. Sign holder. 205,923, 10–11–66, Cl. D1—3.

McCormick, Daniel M. Sign holder. 205,986, 10–18–66, Cl. D1—3.

McCormick, Daniel M. Sign holder. 205,987, 10–18–66, Cl. D1—3.

McCormick, Daniel M. Sign holder. 205,988, 10–18–66, Cl. D1—3.

McCormick, Daniel M. Sign holder. 205,989, 10–18–66, Cl. D1—3.

McCormick, James D., to Anchor Hocking Glass Corp. Glass tumbler or similar article. 205,461, 8–9–66, Cl. D36—8.

McCormick, Walter S., Jr.: *See*—
Dalton, William F., Davis, Kraus, and McCormick. 205,510.
Dalton, William F., Davis, Kraus, and McCormick. 205,511.
Dalton, William F., Kraus, and McCormick. 205,512.

McCrory, Doris M. and J. G. Ankle weight for exercising purposes. 205,594, 8–23–66, Cl. D34—5.

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McCrory, Doris M. and J. G. 205,594.

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McCulloch, Donald J., to Bausch & Lomb Inc. Pair of spectacles. 203,482, 1–11–66, Cl. D57—1.

McCulloch, Donald J., to Bausch & Lomb Inc. Pair of eyeglasses. 203,520, 1–18–66, Cl. D57—1.

McCulloch, Donald J., to Bausch & Lomb Inc. Pair of spectacles. 204,102, 3–15–66, Cl. D57—1.

McCulloch, Donald J., to Bausch & Lomb Inc. Pair of spectacles. 204,210, 3–29–66, Cl. D57—1.

McCulloch, Donald J., to Bausch & Lomb Inc. Pair of spectacles. 204,958, 5–31–66, Cl. D57—1.

McCulloch, Donald J., to Bausch & Lomb Inc. Pair of eyeglasses. 204,959, 5–31–66, Cl. D57—1.

McCulloch, Donald J., to Bausch & Lomb Inc. Pair of spectacles. 206,557, 12–27–66, Cl. D57—1.

McCulloch, Donald J., and S. J. Ragaisis. Pair of eyeglasses. 204,496, 4–19–66, Cl. D57—1.

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McFall, Donald J., to Sidney Flavel and Co. Ltd. Space heater. 203,907, 2–22–66, Cl. D81—19.

McGinty, Ralph J., to Wyatt Mfg. Co., Inc. Conveyor injector coupling. 203,878, 2–22–66, Cl. D55—1.

McGraw-Edison Co.: *See*—
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Ornas, Theodore, Jr., Brunger, McGrew, and Lewton. 206,377.
Ornas, Theodore, Jr., McGrew, and Bardos. 205,937.

McGuire, Arthur M., ½ to R. H. Henshaw. Vacuum cleaner. 204,367, 4–12–66, Cl. D9—2.

McIntyre, William T. Loom let-off protector. 206,368, 11–29–66, Cl. D92—15.

McKee, Carl S., to International Staple & Machine Co. Shipping room tool. 206,516, 12–20–66, Cl. D93—4.

McKenzie, Harold W., to Thompson Metal Fab. Ice tongs. 206,091, 10–25–66, D54—13.

McLarty, Shirley. Coat hanger unit. 204,040, 3–8–66, Cl. D80—8.

McLarty, Shirley, to American Lighter Corp. Cigarette lighter. 204,488, 4–19–66, Cl. D48—27.

McLean, Francis E.: *See*—
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McLeod, Charles A., to Sunbeam Corp. Clock. 204,775, 5–17–66, Cl. D42—7.

McLeod, Charles A., to Sunbeam Corp. Clock housing. 204,777, 5–17–66, CE D42—7.

McMullen, Thomas J. Handle and valve combination for dispensing liquid to a brush, applicator or the like. 205,440, 8–9–66, Cl. D9—2.

McNair, Samuel L. Hydrotherapy bath unit. 203,789, 2–15–66, Cl. D83—1.

McNair, Samuel L., to The Songrand Corp. Combined heating and massaging unit. 204,921, 5–24–66, Cl. D83—1.

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Meeker, David A., and G. B. Fox. Commercial dishwashing machine. 205,465, 8–9–66, Cl. D49—1.

Meeker, David A., and G. B. Fox. Commercial dishwashing machine. 205,466, 8–9–66, Cl. D49—1.

Meeker, Phillip D., to The Procter & Gamble Co. Bar of soap. 206,036, 10–18–66, Cl. D73—1.

Meeker, Phillip D., to The Procter & Gamble Co. Bar of soap. 206,140, 11–1–66, Cl. D73—1.

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Megee, Dale E., to Liberty Optical Mfg. Co., Inc. Spectacle frame front. 205,476, 8–9–66, Cl. D57—1.

Megee, Dale E., to Liberty Optical Mfg. Co., Inc. Spectacle frame front. 205,477, 8–9–66, Cl. D57—1.

Mehr, Jacob A., to Dazor Mfg. Corp. Portable lamp. 204,202, 3–29–66, Cl. D48—20.

Mehr, Jacob A., to Dazor Mfg. Corp. Desk lamp or similar article. 204,681, 5–10–66, Cl. D48—20.

Meisner, Edward H. Portable heater. 203,785, 2–15–66, Cl. D81—10.

Meisner, Edward H., and J. R. Peterson, to Sunbeam Corp. Clock. 204,613, 5–3–66, Cl. D42—7.

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Melchior, Merle C., ½ to S. Galper. Stool or similar article. 203,437, 1–11–66, Cl. D15—8.

Melchior, Merle C., ½ to S. Galper. Lounge chair. 203,589, 2–1–66, Cl. D15—11.

Melchior, Merle C., ½ to S. Galper. Side chair. 205,507, 8–16–66, Cl. D15—1.

Melchior, Merle C., ½ to S. Galper. Arm chair. 205,616, 8–30–66, Cl. D15—1.

Meldrum, Charles R., ¼ to R. G. Mentag. Combined litter bag and tissue dispenser. 204,204, 3–29–66, Cl. D52—2.

Melind, Jay E., to Continental Can Co., Inc. Jug. 204,164, 3–22–66, Cl. D58—5.

Melind, Jay E., to Continental Can Co., Inc. Bottle. 204,424, 4–12–66, Cl. D58—8.

Miller, Neil W., to Campbell Soup Co. Sauce bottle. 206,026, 10–18–66, Cl. D58—6.

Miller Tilt-Top Trailer, Inc.: *See*—
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Miller, William P., to The Thomas & Betts Co. Bundling strap. 205,940, 10–11–66, Cl. D17—5.

Mellion, Frank, to Jo-Dee Corp. Compartmented dispensing container. 204,506, 4–19–66, Cl. D58—13.

Mellion, Frank, to Jo-Dee Corp. Article dispenser. 206,181, 11–8–66, Cl. D52—2.

Mellion, Frank, to Jo-Dee Corp. Combined display and dispensing stand. 206,471, 12–13–66, Cl. D80—9.

Mellyn, Lawrence P., to General Electric Co. Portable automobile spotlight. 204,303, 4–5–66, Cl. D48—20.

Mellyn, Lawrence P., to General Electric Co. Night light. 205,371, 7–26–66, Cl. D48—20.

Mendez, Charles E., to Redwing Carriers, Inc. Tank trailer. 204,751, 5–17–66, Cl. D14—3.

Menelly, Richard A., to Sylvania Electric Products Inc. Fluorescent lamp. 206,439, 12–13–66, Cl. D26—8.

Mentag, Robert G.: *See*—
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Mercorelli, John. Toy simulated television set, or similar article. 203,938, 3–1–66, Cl. D34—15.

Mercorelli, Pasquale A. Child's die-holding paper cutting tool or similar article. 204,982, 6–7–66, Cl. D22—5.

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Meth, Harry, to Rainbow Crafts, Inc. Container for paints or the like. 205,318, 7–19–66, Cl. D58—17.

Metzler, Charles L., to Paper Mate Mfg. Co. Display stand. 203,638, 2–1–66, Cl. D80—9.

Metzler, Charles L., and H. A. Holzwarth, to American Can Co. Cup holder or similar article. 203,615, 2–1–66, Cl. D44—10.

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Abend, Chester J., and Metzner. 204,644.

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Meyers, Bruce F. Sand vehicle or similar article. 203,745, 2–15–66, Cl. D14—3.

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Gartman, Stanley H., Meyers, and Anderson. 205,288.

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Meyers, Willard F., to Owens-Illinois Inc. Bottle. 205,552, 8–16–66, Cl. D58—6.

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Miles, Harry E., Jr. Machine tool base and bed unit. 204,207, 3–29–66, Cl. D55—1.

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Miller, Duane W. Combined safety helmet and lamp. 205,179, 7–5–66, Cl. D3—13.
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Miller, Ronald C., to Honeywell Inc. Face panel for a control instrument. 203,874, 2–22–66, Cl. D52—6.
Mills, Edith A. Cigar holder or the like. 203,792, 2–15–66, Cl. D85—8.
Milner, Edwin E., Jr., to Kirk Optical Lens Co., Inc. Lens blank periphery grinder. 205,298, 7–19–66, Cl. D37—1.
Milton, Arnold T., and D. Bednarczuk. Combined lipstick holder and lip rouge applicator. 203,917, 2–22–66, Cl. D86—10.
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Misetich, Charles D. Combination nursing bottle holder and toy. 205,267, 7–12–66, Cl. D83—8.
Misetich, Charles D. Combination nursing bottle holder and toy. 205,268, 7–12–66, Cl. D83—8.
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Miska, Donna M., to Corning Glass Works. Plate or similar article. 203,457, 1–11–66, Cl. D44—15.
Miska, Donna M., to Corning Glass Works. Plate or similar article. 203,458, 1–11–66, Cl. D44—15.
Miska, Donna M., to Corning Glass Works. Plate or similar article. 203,459, 1–11–66, Cl. D44—15.
Miska, Donna M., to Corning Glass Works. Plate or similar article. 203,460, 1–11–66, Cl. D44—15.
Miska, Donna M., to Corning Glass Works. Plate or similar article. 203,461, 1–11–66, Cl. D44—15.
Miska, Donna M., to Corning Glass Works. Plate or similar article. 203,462, 1–11–66, Cl. D44—15.
Miska, Donna M., to Corning Glass Works. Plate or similar article. 203,463, 1–11–66, Cl. D44—15.
Miska, Donna M., to Corning Glass Works. Plate or similar article. 203,464, 1–11–66, Cl. D44—15.
Miska, Donna M., to Corning Glass Works. Plate or similar article. 203,465, 1–11–66, Cl. D44—15.
Miska, Donna M., to Corning Glass Works. Plate or similar article. 203,466, 1–11–66, Cl. D44—15.
Miska, Donna M., to Corning Glass Works. Plate or similar article. 203,467, 1–11–66, Cl. D44—15.
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Mitchell, Atherton R., to Sea & Ski Corp. Combined sunglasses and hair band. 204,420, 4–12–66, Cl. D57—1.
Mitchell, Atherton R. Pair of sunglassea or the like. 204,498, 4–19–66, Cl. D57—1.
Mitchell, Atherton R. Pair of sunglasses or the like. 204,566, 4–26–66, Cl. D57—1.
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Mitchell, Atherton, to Sea & Ski Corp. Combination visor and headband. 204,637, 5–3–66, Cl. D57—1.
Mitchell, Atherton R., to Sea & Ski Corp. Pair of sunglasses or the like. 204,817, 5–17–66, Cl. D57—1.
Mitchell, Atherton R., to Sea & Ski Corp. Pair of sunglasses or the like. 204,960, 5–31–66, Cl. D57—1.
Mitchell, Atherton R., to Sea & Ski Corp. Pair of sunglasses or the like. 205,095, 6–21–66, Cl. D57—1.
Mitchell, Atherton R., to Sea & Ski Corp. Pair of sunglasses or the like. 205,097, 6–21–66, Cl. D57—1.
Mitchell, Atherton R., to Sea & Ski Corp. Pair of sunglasses or the like. 205,246, 7–12–66, Cl. D57—1.
Mitchell, Atherton R., to Sea & Ski Corp. Pair of sunglasses or the like. 205,247, 7–12–66, Cl. D57—1.
Mitchell, Atherton R., to Sea & Ski Corp. Pair of clip-on sunglasses. 205,379, 7–26–66, Cl. D57—1.
Mitchell, Atherton R., to Sea & Ski Corp. Pair or sunglasses or the like. 205,420, 8–2–66, Cl. D57—1.
Mitchell, Atherton R., to Sea & Ski Corp. Pair of sunglasses or the like. 206,025, 10–18–66, Cl. D57—1.
Mitchell, James G. and W. G. Slipper. 204,659, 5–10–66, Cl. D7—7.
Mitchell, Katherine K. Portable bird bath. 204,388, 4–12–66, Cl. D31—2.
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Mitchell, William L., to General Motors Corp. Vehicle body. 206,063, 10–25–66, Cl. D14—3.
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Mohr, Merrick R. Clothes hook or the like. 204,875, 5–24–66, Cl. D17—12.
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Molerin, Dallas G., and R. N. Pond, to International Business Machines Corp. Electrical control station or similar article. 203,992, 3–8–66, Cl. D26—13.
Molitor, Victor D. Food display shield. 206,198, 11–8–66, Cl. D80—3.
Moll, Jack E., to Miller Tilt-Top Trailer, Inc. Tilting platform trailer. 205,934, 10–11–66, Cl. D14—3.
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Montecalvo, Lawrence A. Animal rake. 205,995, 10–18–66, Cl. D12—4.
Montecalvo, Lawrence A. Animal comb. 206,527, 12–27–66, Cl. D12—2.
Moody, Willard J., C. T. Wilkinson, and H. L. Walker. Slingshot handle. 204,144, 3–22–66, Cl. D34—15.
Moomey, Bill G., to Jos Schlitz Brewing Co. Goblet or similar article. 204,994, 6–7–66, Cl. D36—8.
Moon, Howard R., to Borgerud Mfg. Co., Inc. Water softener. 205,922, 10–4–66, Cl. D91—1.
Moore, Arthur H., and J. G. Bacevius, to Bridgeport Metal Goods Mfg. Co. Electric hand lantern. 203,517, 1–18–66, Cl. D48—24.
Moore, Arthur H., and J. G. Bacevius, to The Bridgeport Metal Goods Mfg. Co. Flashlight. 204,904, 5–24–66, Cl. D48—24.
Moore, Arthur H., and J. G. Bacevius, to The Bridgeport Metal Goods Mfg. Co. Flashlight or similar article. 205,679, 9–6–66, Cl. D48—24.
Moore, Cecil L., S. A. Wilner, and R. C. Kastrup. Combined can punch and bottle opener. 205,237, 7–12–66, Cl. D44—29.
Moore, Donald A., to International Business Machines Corp. Magnetic disk storage cartridge. 206,382, 12–6–66, Cl. D26—14.
Moore, Donald L., and O. E. Snyder. Chair pedestal. 206,000, 10–18–66, Cl. D15—1.
Moranduzzo, Dario. Christmas tree ornament. 206,164, 11–8–66, Cl. D29—1.
Moranduzzo, Dario. Christmas tree ornament. 206,444, 12–13–66, Cl. D29—1.
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Morgan, Doyle J., to Owens-Illinois Glass Co. Jug. 205,550, 8–16–66, Cl. D58—5.
Morgan, Edgar A., to Walt Disney Productions. Passenger-carrying amusement boat. 204,282, 4–5–66, Cl. D34—15.
Morgan, Esther. Garment brush. 205,929, 10–11–66, Cl. D9—2.
Morgan, John R., to Amerock Corp. Knob. 205,347, 7–26–66, Cl. D10—8.
Morgan, John R., to Amerock Corp. Pull. 205,885, 10–4–66, Cl. D10—8.
Morgan, John R., to Amerock Corp. Pull. 205,887, 10–4–66, Cl. D10—8.
Morgan, John R., to Amerock Corp. Pull. 206,114, 11–1–66, Cl. D10—8.

Morgan, John R., to Amerock Corp. Pull. 206,152, 11–8–66, Cl. D10—8.
Morgan, William H., Jr., to Sylvania Electric Products, Inc. Photographic Electric Light. 204,215, 3–29–66, Cl. D61—1.
Morgan, William H., Jr. Floodlight or similar article. 205,082, 6–21–66, Cl. D48—20.
Morriarty, Joseph, to Jaycrest Corp. Washing bag for nylon. 204,800. 5–17–66, Cl. D49—1.
Morris, Enid. Fastener. 206,224, 11–15–66, Cl. D17—1.
Morris, Lewis W. Combined face, disc and hand for a 24 hour timepiece. 203,760, 2–15–66, Cl. D42—1.
Morrison, Alice E. Bottle. 204,167, 3–22–66, Cl. D58—8.
Morrison, Norman E., and P. H. Rosen, to Electro Scientific Industries, Inc. Electrical measurement instrument case. 204,936, 5–31–66, Cl. D26—1.
Morrison, Norman E., and P. H. Rosen, to Electro Scientific Industries, Inc. Electrical measurement instrument. 204,937. 5–31–66, Cl. D26—1.
Morrison, William A.: *See*—
Abend, Chester J., and Morrison. 203,776.
Abend, Chester J., and Morrison. 205,249.
Morrow, Louise. Apron. 203,652, 2–8–66, Cl. D3—26.
Morse, John E., and W. C. Thomas, to Eastman Kodak Co. Record card. 205,913, 10–4–66, Cl. D59—2.
Morton Salt Co.: *See*—
Conway, Daniel M., and Martin. 203,436.
Moseley, Francis L. Mill table feed device. 205,313, 7–19–66, Cl. D55—1.
Moses, Charles. Hanger. 206,300, 11–22–66, Cl. D80—8.
Moses, Charles. Hanger. 206,301, 11–22–66, Cl. D80—8.
Moses, Charles. Hanger. 206,302, 11–22–66, Cl. D80—8.
Moskovitz, Zevi. Paper sheet dispenser. 206,085, 10–25–66, Cl. D52—2.
Moskowitz, Murray, to Maidenform, Inc. Buckle. 204,260, 4–5–66, Cl. D17—1.
Mosler Harbor Metal Products Corp.: *See*—
Bartlett, June A. 203,526.
Moss, Charles W. Tent or similar article. 205,749, 9–13–66, Cl. D88—3.
Moss, James P. Muffler. 203,536, 1–25–66, Cl. D14—6.
Mostile, Gianni. Moccasin. 206,222, 11–15–66, Cl. D7—7.
Mothershead, Edgar J., to The St. Louis County Medical Society. Award key. 205,901, 10–4–66, Cl. 45—19.
Motor Wheel Corp.: *See*—
Rodett, Peter C. 206,103.
Meyer, Warren L., and Riggs. 204,981.
Motorola, Inc.: *See*—
Horzick, Joseph. 205,194.
Horzick, Joseph. 205,359.
Horzick, Joseph. 204,387.
Motzel, Jacqueline M., to Sisters of St. Mary of The Third Order of St. Francis. Cabinet for accommodating X-ray technicians' apparel. 205,669, 9–6–66, Cl. D33—19.
Mox, Dana W., to Hanson Scale Co. Bathroom scale. 204,905, 5–24–66, Cl. D52—10.
Moyer, Larry D., to Richardson Homes Corp. Mobile home. 203,977, 3–8–66, Cl. D14—3.
Mudrinich, Milan. Lamp or similar article. 205,464, 8–9–66, Cl. D48—2.
Mueller, Chris, Jr. Incense burner or the like. 204,192, 3–29–66, Cl. D16—2.
Mueller Co.: *See*—
Smith, John J. 205,984.
Mueller, Lenore J. Educational display device for children. 205,944, 10–11–66, Cl. D25—1.
Mueller, Robert J., and H. L. Kornfeld, to International Rectifier Corp. Housing for battery operated sound amplifier or similar electrical apparatus. 206,442, 12–13–66, Cl. D26—14.
Muller, Walter. Chair. 205,658, 9–6–66, Cl. D15—1.
Mullinax, Thomas E.: *See*—
Hocutt, R. Hovan, and Mullinax. 205,760.
Mune, Charles: *See*—
Camp, William W., and Mune. 206,006.
Munson, Austin H., and R. J. Szalek, to General Time Corp. Manicure implement. 206,040, 10–18–66, Cl. D86—10.
Murat, Adolf R.: *See*—
Murat, Rose M. 203,510.
Murat, Rose M., ¼ each to E. M. Proctor, W. H. Wells, and A. R. Murat. Phonograph record holding rack or similar article. 203,510, 1–18–66, Cl. D33—3.
Murer, Christian F. Game board. 205,898, 10–4–66, Cl. D34—5.
Murphy, Robert W., and C. M. Phipps, to The Boye Needle Co. Storage tray for knitting and jumper needle components. 206,027, 10–18–66, Cl. D58—13.
Murphy, Robert W., and C. M. Phipps, to The Boye Needle Co. Storage tray for circular knitting needle components. 206,409, 12–6–66, Cl. D58—13.
Murray, Coyt E. Loom maintenance indicator. 204,309, 4–5–66, Cl. D52—1.
Murray, Coyt E., and J. B. Sherrill. Combined loom flag and maintenance indicator. 206,106, 10–25–66, Cl. D72—1.
Murray Ohio Mfg. Co., The: *See*—
Schreckengost, Viktor. 204,196.
Schreckengost, Viktor. 205,168.
Schreckengost, Viktor. 205,252.
Schreckengost, Viktor. 205,860.
Muscatiello, Ralph A. Valve actuator for pressurized containers or the like. 203,892, 2–22–66, Cl. D58—26.
Muscatiello, Ralph A., to The Gillette Co. Lady's tote bag. 204,048, 3–8–66, Cl. D87—3.
Musgrave, Orly, to Mast-Foos Mfg. Co., Inc. Differential transmission unit. 205,312, 7–19–66, Cl. D55—1.
Mushlin, Sidney B. Battery nut. 205,374, 7–26–66, Cl. D54—9.
Musichuk, Alexander B., to The M. T. & D. Co. Coaster wagon. 206,175, 11–8–66, Cl. D34—15.
Musichuk, Alexander B., to The M. T. & D. Co. Seat for velocipede. 206,543, 12–27–66, Cl. D34—15.
Myco Industries, Inc.: *See*—
Yerkovich, Simon, and Rathbone. 204,594.
Mycue, Gordon E. Electric candle lighter. 205,571, 8–16–66, Cl. D81—10.
Myers, Charles S., to Wahl Clipper Corp. Electric vibrator. 205,747, 9–13–66, Cl. D83—1.
Myers, Dean W.: *See*—
Kawaguchi, Hideo, and Myers. 203,384.
Kawaguchi, Hideo, and Myers. 204,541.
Myers, Dean W., to F. H. Flam. Duplicate bridge board or similar article. 204,398, 4–12–66, Cl. D34—13.
Myers, Dean W., and H. Kawaguchi, to Purex Corp., Ltd. Jar. 204,325, 4–5–66, Cl. D58—25.
Myers, F. E., & Bro. Co., The: *See*—
Wolford, Dale E. 205,404.
Nachman, Lawrence J., to Swirl, Inc. Reversible house coat. 205,494, 8–16–66. Cl. D3—26.
Nado, George F.: *See*—
Werner, Frank D., Darr, Nado, and Petersen. 205,057.
Nagel, Robert I., to R. E. Dietz Co. Vehicle lamp lens. 205,957, 10–11–66, Cl. D48—32.
Nagle, Elliott V. Pipe rack or the like. 203,572, 1–25–66, Cl. D85—8.
Nagy, Dorothy S. and L. Portable container for infants' accessories. 205,489, 8–9–66, Cl. D87—5.
Nagy, Louis: *See*—
Nagy, Dorothy S. and L. 205,489.
Nakis, Samuel E. Tire repair gun. 203,768, 2–15–66, Cl. D54—13.
Nannfeldt, Olie A. Rack for drill bits, taps and the like. 205,745, 9–13–66, Cl. D80—9.
Napco, Inc.: *See*—
Shore, Sherman. 205,706.
Napier, Gary R. Christmas tree. 203,446, 1–11–66, Cl. D29—1.
Nashua Corp.: *See*—
Stoy, Raymond P. 204,037.
National Cash Register Co., The: *See*—
Crease, Pierre L. 206,438.
Crease, Pierre L., and Schaefer. 204,413.
Crease, Pierre L., and Streiff. 205,809.
Iblings, Jackson R., and Inatomi. 205,048.
Inatomi, Charles T. 204,883.
Reboulet, William C. 204,384.
National Dairy Products Corp.: *See*—
Porter, Alvin J. 205,865.
National Distillers and Chemical Corp.: *See*—
Bailey, Robert L. 204,422.
Bailey, Robert L. 204,423.
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Hurban, Gary S. 206,436.
National Lock Co.: *See*—
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Aleks, Vytant P. 204,742.
Aleks, Vytant P. 204,802.
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Amdal, Dagfinn O. 206,056.
Amdal, Dagfinn O. 206,058.
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Rhoades, Nolan K. 204,801.
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National Silver Co.: *See*—
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Porter, Alvin J., and Nau. 205,425.
Naudus, Anthony J., Jr. Combined electric service box and post for a trailer park or similar article. 204,269, 4–5–66, Cl. D26—5.
Nault, Gerard J., to Rosbro Plastics Corp. Toy motor. 203,492, 1–11–66, Cl. D90—1.
Nawroth, George L. P. Hair dryer hood. 203,918, 2–22–66, Cl. D86—10.
Naylor, Donald R. Tooth paste tube holder or similar article. 205,125, 6–28–66, Cl. D4—3.
Neal, Artie M. Combined game board and case. 204,277, 4–5–66, Cl. D34—5.
Neal, Franklin M., and J. D. Ryan, to Corning Glass Works. Street lighting refractor. 204,081, 3–15–66, Cl. D48—16.
Neale, David W. Mirror for a motor vehicle. 206,321, 11–29–66, Cl. D14—6.
Neece, Roy M., to Dynaplastics, Inc. Air conditioner casing. 203,633, 2–1–66, Cl. D62—4.
Needham, Ralph D. Door light. 205,240, 7–12–66, Cl. D48—20.

Neese, Gerald W.: *See*—
Ballard, Walter M., and Neese. 205,250.
Neet, Leonard B. Game board. 205,230, 7–12–66, Cl. D34—5.
Neill, Douglas W. Auxiliary A.C. generator mounting bracket for vehicle engines. 204,491, 4–19–66, Cl. D54—1.
Neill, Douglas W. Auxiliary A.C. generator mounting bracket for vehicle engines. 204,688, 5–10–66, Cl. D54—1.
Neill, Douglas W. Auxiliary A.C. generator mounting bracket for vehicle engines. 204,689, 5–10–66, Cl. D54—1.
Neill, Douglas W. Auxiliary A.C. generator mounting bracket for vehicle engines. 204,690, 5–10–66, Cl. D54—1.
Neill, Douglas W. Auxiliary A.C. generator mounting bracket for vehicle engines. 204,691, 5–10–66, Cl. D54—1.
Neill, Douglas W. Auxiliary A.C. generator mounting bracket for vehicle engines. 204,692, 5–10–66, Cl. D54—1.
Neill, Douglas W. Auxiliary A.C. generator mounting bracket for vehicle engines. 204,809, 5–17–66, Cl. D54—1.
Neill, Douglas W. Auxiliary AC generator mounting bracket for vehicle engines. 205,045, 6–14–66, Cl. D54—1.
Neilsen, Hildaur L.: *See*—
Neustadter, Arnold, and Neilsen. 206,468.
Neilsen, Hildaur L. List finder. 203,904, 2–22–66, Cl. D74—1.
Neiswanger, Jane C. Spectacle holder and container combination. 206,097, 10–25–66, Cl. D57—1.
Nelson, George H., to Herman Miller, Inc. Furniture leg. 205,665, 9–6–66, Cl. D33—1.
Nelson, James E., to Scott Aviation Corp. Portable rack liquid suction cleaner or similar article. 204,232, 4–5–66, Cl. D9—2.
Nelson, James E., to Scott Aviation Corp. Portable back liquid suction cleaner or similar article. 204,366, 4–12–66, Cl. D9—2.
Nelson, James E., to Scott Aviation Corp. Oronasal filter mask. 205,332, 7–19–66, Cl. D83—1.
Nelson, L. R., Mfg. Co., Inc.: *See*—
Hayes, Jerry R. 204,123.
Nelson, Russell B. 205,436.
Nelson, Russell B., to L. R. Nelson Mfg. Co., Inc. Lawn sprinkler. 205,436, 8–2–66, Cl. D91—1.
Nestegard, Elaine A.: *See*—
Nestegard, Sander C. 203,800.
Nestegard, Sander C., to E. A. Nestegard. Sign holder. 203,800, 2–22–66, Cl. D1—3.
Nestler, Paul R. Stocking. 205,462, 8–9–66, Cl. D47—7.
Nestler, Paul R., Sr. Stocking. 205,718, 9–13–66, Cl. D47—7.
Netzel, Catherine M.: *See*—
Netzel, Theodore J., and Netzel. 205,078.
Netzel, Theodore J., and C. M. Windmill ornament. 205,078. 6–21–66, Cl. D34—15.
Neumann, Manfred, to Lightolier Inc. Desk lamp. 203,863, 2–22–66, Cl. D48—20.
Neustadter, Arnold, and H. L. Neilsen. Memoranda spindle. 206,468, 12–13–66, Cl. D74—2.
Neval, Bela B. Carving board. 203,849, 2–22–66, Cl. D44—1.
New, Eric T. Electric bicycle lamp. 205,625, 8–30–66, Cl. D48—24.
New-Jack Industries Inc.: *See*—
Newton, Thomas A., and Jackson. 203,597.
Newton, Thomas A., and Jackson. 203,678.
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Newsom, Robert F. Shoe shine stand. 205,128, 6–28–66, Cl. D9—2.
Newton, Thomas A., and D. J. Jackson, to New-Jack Industries Inc. Camera housing for surveillance system. 203,597, 2–1–66, Cl. D26—14.
Newton, Thomas A., and D. J. Jackson, to New-Jack Industries, Inc. Camera housing for surveillance system. 203,678, 2–8–66, Cl. D26—14.
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Nielsen, Howard V. Air flow measuring device. 206,184, 11–8–66, Cl. D52—6.
Nielsen, William S. Combined toy flying saucer and transparent package. 206,172, 11–8–66, Cl. D34—15.
Nieman, Thomas F., and M. J. Santeramo, to The Saturn Corp. Kite string holder. 206,448, 12–13–66, Cl. D41—1.
Niemann, James E., to American Radiator & Standard Sanitary Corp. Lavatory. 205,653, 9–6–66, Cl. D4—2.
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Nissen, Charles S., and R. P. Gatton. Combined can end and tear strip. 206,500, 12–20–66, Cl. D58—26.
Nitzan, David, and J. P. Sweeney, to AMP Inc. Multiaperture magnetic core. 204,382, 4–12–66, Cl. D26—1.
Nixon, John V., to Anchor Hocking Glass Corp. Jug. 204,702, 5–10–66, Cl. D58—5.
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Noe, Garvie J. Pin cushion. 205,339, 7–26–66, Cl. D3—19.
Noe, Garvie J. Pin cushion. 205,340, 7–26–66, Cl. D3—19.
Noe, Garvie J. Pin cushion. 205,341, 7–26–66, Cl. D3—19.
Noe, Garvie J. Pin cushion. 205,342, 7–26–66, Cl. D3—19.
Noe, Garvie J. Pin cushion. 205,343, 7–26–66, Cl. D3—19.
Noe, Garvie J. Pin cushion. 205,344, 7–26–66, Cl. D3—19.
Noe, Garvie J. Pin cushion. 205,345, 7–26–66, Cl. D3—19.
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Nord, Bo E., and K. A. Jansson, to A. B. Bahco. Steam bath heater. 204,350, 4–5–66, Cl. D81—20.
Nordby, Inga L. Pocket washboard. 205,958, 10–11–66, Cl. D49—1.
Nordhoff, Wilma F. Lorgnette. 206,291, 11–22–66, Cl. D57—1.
Nordmark, Walter E., to American Seating Co. Speaker's stand. 203,545, 1–25–66, Cl. D33—10.
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Northwest Design & Fabrication Ltd.: *See*—
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Noyes, Eliot, to International Business Machines Corp. Paper tape typewriter. 203,953, 3–1–66, Cl. D64—11.
Noyes, Eliot, L. M. Cooper, and E. R. Wyma, to International Business Machines Corp. Control console. 203,674, 2–8–66, Cl. D26—5.
Noyes, Eliot F., to International Business Machines Corp. Typewriter or the like. 206,467, 12–13–66, Cl. D64—11.
Noyes, Eliot F., E. M. Bevilacqua, and R. E. Graf, to Mobil Oil Corp. Dispensing island. 206,319, 11–29–66, Cl. D13—1.
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Benson, Harold R. 204,682.
Nunez, Henry. Charm or similar article. 203,617, 2–1–66, Cl. D45—17.
Nurmse, Karl, to Aktiebolaget Urfabriken. Fish lure. 203,934, 3–1–66, Cl. D31—4.
Nutt, Kermit J. Mobile wind machine for frost protection of low growing crops. 205,559, 8–16–66, Cl. D62—2.
Nystrom, Robert G., to Loctite Corp. Fixture for constructing O-rings. 206,551, 12–27–66, Cl. D52—6.
Oakland Community College: *See*—
Canfield, Albert A. 205,360.
Obayashi, Shin. Collapsible table. 204,391, 4–12–66, Cl. D33—14.
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O'Donnell, James D. Copy holder. 204,336, 4–5–66, Cl. D74—1.
Oertig, Andrew E. Rack for collapsible tubes. 205,124, 6–28–66, Cl. D4—3.
Ogg, James H. Garment hanger. 206,200, 11–8–66, Cl. D80—8.
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Olney, Nathaniel M., to Swingline Inc. Combination tool or similar article. 203,699, 2–8–66, Cl. D54—13.
Olson, John D., to The Stanley Works. Hedge shears. 204,605, 5–3–66, Cl. D22—4.

Olson, Richard J., to Eastman Kodak Co. Motion picture camera. 204,837, 5–17–66, Cl. D61—1.
Olson, Richard J., to Eastman Kodak Co. Projection viewer. 205,104, 6–21–66, Cl. D61—1.
Olson, Thor F. Tuning knob for a television receiver or similar article. 204,138, 3–22–66, Cl. D26—13.
Olson, William E. Article retaining clip. 204,467, 4–19–66, Cl. D34—5.
Olson, William J. Display panel for masonry products. 205,646, 8–30–66, Cl. D80—9.
Oltean, George. Drafting template. 206,086, 10–25–66, Cl. D52—6.
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O'Neil, Robert A., to Fesco, Inc. Soap dish or similar article. 204,734, 5–17–66, Cl. D4—3.
O'Neil, Robert A., to Fesco, Inc. Tray for toilet articles or the like. 204,784, 5–17–66, Cl. D44—10.
O'Neil, Robert A., to Fesco, Inc. Holder for lipsticks and the like. 204,859, 5–17–66, Cl. D86—10.
O'Neil, Robert A., to Fesco, Inc. Tumbler. 205,144, 6–28–66, Cl. D36—8.
O'Neil, Robert A., to Fesco, Inc. Tissue box. 205,721, 9–13–66, Cl. D52—2.
O'Neil, Robert A., to Fesco, Inc. Hamper. 205,966, 10–11–66, Cl. D58—4.
O'Neil, Robert A., to Fesco, Inc. Waste basket. 206,100, 10–25–66, Cl. D58—17.
O'Neil, Robert A., to Fesco, Inc. Combined brush and container therefor. 206,135, 11–1–66, Cl. D58—17.
Onondaga Pottery Co.: *See*—
Adams, Nonika. 205,537.
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Opler, Edmond, to Cook Chocolate Co. Chocolate bar or similar article. 203,728, 2–8–66, Cl. D82—2.
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O'Rear, Chester L. Trash can carrier. 205,399, 8–2–66, Cl. D14—3.
Orenstein, Henry, to De Luxe Reading Corp. Toy helmet. 204,227, 4–5–66, Cl. D3—13.
Ornas, Theodore Jr., to International Harvester Co. Motor truck. 206,376, 12–6–66, Cl. D14—3.
Ornas, Theodore, Jr., C. B. McGrew, Jr., and B. Bardos, to International Harvester Co. Motor vehicle cab. 205,936, 10–11–66, Cl. D14—3.
Ornas, Theodore, Jr., C. B. McGrew, Jr., and B. Bardos, to International Harvester Co. Motor vehicle cab. 205,937, 10–11–66, Cl. D14—3.
Ornas, Theodore, Jr., R. N. Brunger, and C. B. McGrew, Jr., to International Harvester Co. Motor vehicle instrument panel with integral auxiliary control panel. 206,322, 11–29–66, Cl. D14—6.
Ornas, Theodore, Jr., R. N. Brunger, C. B. McGrew, Jr., and D. Lewton, to International Harvester Co. Motor truck instrument panel. 206,377, 12–6–66, Cl. D14—6.
Orofino, Peter P., to Allen Dynamics, Inc. Dental articulator. 204,381, 4–12–66, Cl. D24—1.
Oscos Sanchez, Pascual J. M. Folding table. 205,521, 8–16–66, Cl. D33—14.
Oshima, Yasuhiro, to Meiwa Gravure Chemical Co., Ltd. Table cloth. 206,215, 11–8–66, Cl. D92—26.
Oster, John, Mfg. Co.: *See*—
Madl, Alfred W. 205,991.
Madl, Alfred W. 206,266.
Madl, Alfred W., and Raitnen. 204,532.
Madl, Alfred W., and Raitnen. 205,430.
Ostrowsky, Efrem M.: *See*—
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Ostyn, Joseph J., to American Illuminating Co. Fluorescent lighting fixture or similar article. 206,286, 11–22–66, Cl. D48—23.
Ota, Hajime, to Fedtro, Inc. Auto defroster. 205,765, 9–20–66, Cl. D14—6.
Ota, Hajime, to Fedtro, Inc. Portable power-operated vacuum cleaner for an automobile, or similar article. 205,994, 10–18–66, Cl. D9—2.
Ota, Hajime, to Fedtro, Inc. Dry cell charging apparatus case. 206,229, 11–15–66, Cl. D26—15.
Ota, Hajime, to Fedtro, Inc. Automatic closet light. 206,284, 11–22–66, Cl. D48—20.
Otteman, John H. Back for pre-tied necktie. 203,601, 2–1–66, Cl. D33—8.
Otto, Carl L. Typewriter. 205,810, 9–20–66, Cl. D64—11.
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Roberts, Bruce L. 203,559.
Shepler, James A. 204,701.
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Birrell, Stewart H. 204,706.
Birrell, Stewart H., and Hobbs. 204,705.
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Meyers, Willard F. 204,165.
Meyers, Willard F. 204,166.
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Plummer, James E. 204,824.
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Roberts, Bruce L. 204,708.
Roberts, Bruce L. 204,709.
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Roberts, Bruce L. 206,464.
Weckman, Richard L. 205,553.
P.O.P. Drawer Systems Corp.: *See*—
Buday, Eugene. 204,520.
Pachmayr, Frank A. Firearm recoil pad. 204,549, 4–26–66, Cl. D30—1.
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Kelso, James W., and Johnson. 206,405.
Packwood, G. H., Mfg. Co.: *See*—
Packwood, George H., Jr. 203,654.
Packwood, George H., Jr., to G. H. Packwood Mfg. Co. Dispenser for fluid or semi-fluid materials. 203,654, 2–8–66, Cl. D4—3.
Page, Betty G. Chandelier. 204,078, 3–15–66, Cl. D48—3.
Page, Edward, to M. Greenberg's Sons. Fire hydrant. 206,041, 10–18–66, Cl. D91—3.
Page, Ralph G Dispenser for packaged portions of condiments. 203,696, 2–8–66, Cl. D52—2.
Painter, David L., to The West Bend Co. Electric broiler. 204,779, 5–17–66, Cl. D44—1.
Painter, David L., to The West Bend Co. Rotisserie motor housing. 205,946, 10–11–66, Cl. D26—5.
Pak-Sang, Kot. Vibratory massaging device. 205,981, 10–11–66, Cl. D83—1.
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Palmer, Gregory E. Pie cutter or the like. 206,279, 11–22–66, Cl. D44—29.
Palmer, James W., to Louis Marx & Co., Inc. Toy fire engine. 205,529, 8–16–66, Cl. D34—15.
Palmer, Rundlette K. Wrist attachable pen and pencil holder. 204,917, 5–24–66, Cl. D74—21.
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Papp, Michael W., to The Warner & Swasey Co. Toolholder. 206,553, 12–27–66, Cl. D55—6.
Parcels, John L. R. Bottle. 205,798, 9–20–66, Cl. D58—6.
Parent, Louis P. Milk carton holder. 204,946, 5–31–66, Cl. D44—21.
Parker, Alex M. Supermarket shopping cart. 205,062, 6–21–66, Cl. D14—3
Parker, Kenneth, to The Parker Pen Co. Writing instrument. 205,872, 9–27–66, Cl. D74—17.
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Parr, Louis and J. W. Wheel plate. 205,586, 8–23–66, Cl. D14—30.
Parriott, Joseph M., and D. A. Long, to Federal Pacific Electric Co. Motor starter housing. 205,845, 9–27–66, Cl. D26—13.
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Pascale, William E., to International Business Machines Corp. Card reader or similar article. 205,068, 6–21–66, Cl. D26—5.
Paslawsky, John T. Cabinet for electronic measuring and test equipment or the like. 204,606, 5–3–66, Cl. D26—1.
Passaglia, Fred, to Sugarless Candy Corp. of America. Combined confection mold and packaging tray. 206,237, 11–15–66, Cl. D44—1.
Pastorius, Louis E., III. Pouring spout for a jar or the like. 206,360, 11–29–66, Cl. D58—26.
Pastorius, Louis E., III. Liquid dispensing jar. 206,498, 12–20–66, Cl. D58—25.
Patla, Jacob W.: *See*—
Hoogesteger, Paul A., and Patla. 203,911.
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Paul, Kenneth V. Head for a steel guitar. 203,557, 1–25–66, Cl. D56—1.
Pauli, George B., to Crouse-Hinds Co. Floodlight. 204,302, 4–5–66, Cl. D48—20.
Pawelka, Gustav J., and F. H. Kroll. Combined container closure and marble counter. 205,102, 6–21–66, Cl. D58—26.
Pawsat, Ruben L., to Wald Mfg. Co. Inc. Bicycle steering post. 204,182, 3–22–66, Cl. D90—9.
Pawsat, Ruben L., to Wald Mfg. Co., Inc. Bicycle steering post. 205,823, 9–20–66, Cl. D90—9.
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Pearson, Marion W., to Central Foundry Co. Tool for assembling pipes. 205,089, 6–21–66, Cl. D54—13.
Peclard, Michel, to Etablissements Aesup. Casing for an electric shaver. 206,437, 12–13–66, Cl. D22—3.
Pedersen, Charles L.; ½ to L. Holmes and D. P. Chenault. Masonry drill bit. 205,469, 8–9–66, Cl. D54—4.
Pedro, Charles R. Portable doll bed. 205,188, 7–5–66, Cl. D34—15.
Peek, Sanford C., Jr., D. R. Dayton, and A. H. Nimblett, Jr., to Sylvania Electric Products, Inc. Electric projector lamp. 203,749, 2–15–66, Cl. D26—8.
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Stark, Marvin L., and Lewis. 206,203.
Pelavin, Joseph, and F. Ioviero, to Droutman Mfg. Co., Inc. Racket bag. 204,439, 4–12–66, Cl. D87—5.
Pelavin, Joseph, and J. Sheiman, to Lark Luggage Corp. Luggage lock. 205,303, 7–19–66, Cl. D50—7.
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Pendleton, Wayne, to M. D. Pendleton. Restaurant building. 204,873, 5–24–66, Cl. D13—1.
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Péras, Lucien, to Regie Nationale des Usines Renault. Trim molding. 203,586, 2–1–66, Cl. D14—6.
Perkins, George D., and D. E. Workman, to Pendleton Tool Industries, Inc. Case for an electric meter. 206,004, 10–18–66, Cl. D26—1.
Perkins, George D., and D. E. Workman, to Pendleton Tool Industries, Inc. Case for an electric meter. 206,005, 10–18–66, Cl. D26—1.
Perkins, George D., and D. E. Workman, to Pendleton Tool Industries, Inc. Case for an electric meter. 206,158, 11–8–66, Cl. D26—1.
Perry, Wayne W. Removable blade scraper. 205,213, 7–12–66, Cl. D9—6.
Perry, Wayne W. Baking mold. 206,017, 10–18–66, Cl. D44—1.
Perschy, Roy B., to Northrop Corp. Slide frame. 204,913, 5–24–66, Cl. D61—1.
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Peters and Russell, Inc.: *See*—
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Petersen, Warren D. Chair. 203,588, 2–1–66, Cl. D15—1.
Peterson, Dana. Holder for a pair of eyeglasses. 205,964, 10–11–66, Cl. D57—1.
Peterson, Herbert E. Electrical wire heating unit or similar article. 203,983, 3–8–66, Cl. D26—1.
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Peterson, Jerold R., to Sunbeam Corp. Motor operated toothbrush handle. 206,520, 12–27–66, Cl. D9—2.
Peterson, John M., to The Ryan Aeronautical Co. VTOL aircraft with retractable lifting fans. 204,108, 3–15–66, Cl. D71—1.
Peterson, Kail R., and M. L. Rossman, to General Electric Co. Computer console. 205,356, 7–26–66, Cl. D26—5.
Peterson, William C. Doll's head. 204,767, 5–17–66, Cl. D34—4.
Peto, Leonard A. Aircraft. 203,781, 2–15–66, Cl. D71—1.
Petrick, Edward J., to Bretford Mfg., Inc. Hair dryer. 205,389, 7–26–66, Cl. D86—10.
Petrusek, Victor. Combined binocular and radio set. 206,462, 12–13–66, Cl. D56—4.
Petry, Frank A. Adaptable aircraft. 205,169, 6–28–66, Cl. D71—1.
Petry, Frank A. High-speed dirigible. 205,694, 9–6–66, Cl. D71—1.
Pettengill, Floyd E., to Anchor Hocking Glass Corp. Jar or similar article. 205,802, 9–20–66, Cl. D58—25.
Pettengill, Myron F., to General Electric Co. [Luminaire] 205,411, 8–2–66, Cl. D48—31.
Pettengill, Myron F., to General Electric Co. Street lighting fixture. 205,719, 9–13–66, Cl. D48—31.
Pfister, Robert D., to De Luxe Reading Corp. Conveyor toy. 203,607, 2–1–66, Cl. D34—15.
Pfister, Robert D., to De Luxe Reading Corp. Storage tank toy. 203,608, 2–1–66, Cl. D34—15.
Pfister, Robert D., to De Luxe Reading Corp. Toy troop carrier vehicle. 203,609, 2–1–66, Cl. D34—15.
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Phillips, Howard W., to Aladdin Industries, Inc. Ice bucket. 205,369, 7–26–66, Cl. D44—15.
Phillips, Howard W., to Aladdin Industries, Inc. Beverage server or similar article. 206,453, 12–13–66, Cl. D44—21.
Phillips, Robert, and B. B. Levine, to Bernard Plastics Molding Corp. Hanger. 204,039, 3–8–66, Cl. D80—8.
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Piasecki, Raymond F., to The Thomas & Betts Co. Clamp for conductor harness or the like. 204,159, 3–22–66, Cl. D54—1.
Piasecki, Raymond F., to The Thomas & Betts Co. Re-usable bundling strap. 205,659, 9–6–66, Cl. D17—5.
Pichulo, Daniel A., Jr., and W. C. Yocum, to E. I. du Pont de Nemours and Co. Liquid-vapor valve. 206,042, 10–18–66, Cl. D91—3.
Pick, Paul F., to The Allen Mfg. Co. Cap screw. 203,947, 3–1–66, Cl. D54—9.
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Sylvester, David, Barr, Schnepfe, and Pilarski. 205,712.
Pincus, Ronald. Spectacle frame. 204,497, 4–19–66, Cl. D57—1.
Pine, Frank B., to Northwest Plastics, Inc. Spoon or similar article. 204,296, 4–5–66, Cl. D44—29.
Pink, Chester A., to The Englander Co., Inc. Combined bed and table unit. 205,498, 8–16–66, Cl. D5—4.
Pink, John J., to The Harrington & King Perforating Co., Inc. Floor tread material or the like. 205,890, 10–4–66, Cl. D13—1.
Pinzke, Herbert. Rack for displaying books, cameras and the like. 206,304, 11–22–66, Cl. D80—9.
Pioneer Merchandise Corp.: *See*—
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Pizzurro, Joseph C., to Precision Valve Corp. Dispenser cap for a pressurized can. 205,739, 9–13–66, Cl. D58—26.
Pizzurro, Joseph C., to Precision Valve Corp. Dispenser cap for a pressurized can. 205,740, 9–13–66, Cl. D58—26.
Plagenberg, Walter A., to White Cross Mfg. Co., Inc. Faucet for a beverage dispenser or the like. 205,827, 9–27–66, Cl. D2—3.
Plante, Robert. Aerial spinning toy. 205,143, 6–28–66, Cl. D34—15.
Plantholt, Robert G. Steam cabinet. 203,788, 2–15–66, Cl. D83—1.
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Platte, Richard L., to Hoover Ball and Bearing Co. Bottle. 205,047, 8–14–66, Cl. D58—8.
Platte, Richard L., to Hoover Ball and Bearing Co. Jug. 205,730, 9–13–66, Cl. D58—5.
Platte, Richard L., to Hoover Ball and Bearing Co. Bottle. 205,967, 10–11–66, Cl. D58—6.
Platte, Richard L., to Hoover Ball and Bearing Co. Container for liquids. 206,245, 11–15–66, Cl. D58—17.
Platte, Richard L., to Hoover Ball and Bearing Co. Bottle. 206,408, 12–6–66, Cl. D58—6.
Platte, Richard L., to Hoover Ball and Bearing Co. Container for liquids. 206,410, 12–6–66, Cl. D58—17.
Pleasants, Jack, to Nova Products, Inc. Cleat cleaner. 203,659, 2–8–66, Cl. D9—2.
Plochman, Carl M., Jr., to Plochman, Inc. Combined jar and cover therefor. 205,556, 8–16–66, Cl. D58—25.
Plochman, Inc.: *See*—
Plochman, Carl M., Jr. 205,556.
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Plummer, James E., to Owens-Illinois Inc. Bottle. 204,711, 5–10–66, Cl. D58—8.
Plummer, James E., to Owens-Illinois, Inc. Jug. 204,824, 5–17–66, Cl. D58—5.
Plummer, James E., to Owens-Illinois, Inc. Bottle. 205,099, 6–21–66, Cl. D58—8.
Plummer, James E., to Owens-Illinois, Inc. Bottle. 205,100, 6–21–66, Cl. D58—9.
Plummer, James E., to Owens-Illinois, Inc. Bottle. 205,101, 6–21–66, Cl. D58—9.
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Podall, Robert, to Jeffrey-Allan Industries, Inc. Splash guard for motor vehicles. 205,133, 6–28–66, Cl. D14—6.
Podall, Robert, to Jeffrey-Allan Industries, Inc. Splash guard for motor vehicles. 205,134, 6–28–66, Cl. D14—6.
Podall, Robert, to Jeffrey-Allan Industries, Inc. Splash guard for motor vehicles. 205,135, 6–28–66, Cl. D14—6.
Pohl, Milton S., and H. A. Schwartz, to Soss Mfg. Co. Extensible table lamp or similar article. 205,859, 9–27–66, Cl. D48—20.
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Poletika, Nicholas V., to Union Lumber Co. Patio table. 203,603, 2–1–66, Cl. D33—14.
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Pollock, Charles R. Armchair. 204,257, 4–5–66, Cl. D15—1.
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Wilson, Woodrow S., and Akers. 204,326.
Pomper, William R. Razor or the like. 205,588, 8–23–66, Cl. D22—3.
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Molerin, Dallas G., and Pond. 203,992.
Poole, James E. Combined telephone shelf and mounting bracket therefor. 205,848, 9–27–66, Cl. D33—3.
Poris, Harry. Dispenser for tissue or the like. 203,869, 2–22–66, Cl. D52—2.
Poris, Harry. Combined container closure and measuring spoon. 206,294, 11–22–66, Cl. D58—26.
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Porsche, Ferdinand A., Jr., to Dr. Ing. h.c.F. Porsche Firma, K.G. Automobile. 205,132, 6–28–66, Cl. D14—3.
Porter, Alvin J., to National Dairy Products Corp. Closure. 205,865, 9–27–66, Cl. D58—26.
Porter, Alvin J., and E. F. Nau, to Product Design & Engineering, Inc. Dispensing cap for a container. 205,425, 8–2–66, Cl. D58—26.
Porter, Johnie M. W. Line guide or the like. 204,036, 3–8–66, Cl. D74—1.
Porter, Paul F., P. D. Borders, and D. M. Reed. Work vehicle. 205,063, 6–21–66, Cl. D14—3.
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Posmanter, Herman B. Drinking glass coaster. 204,072, 3–15–66, Cl. D44—10.
Post, Bernard E. Golf cart. 205,763, 9–20–66, Cl. D14—3.
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Post, Carole. Shoe. 205,883, 10–4–66, Cl. D7—7.
Post, Harold P. Combined demonstration and display stand. 206,251, 11–15–66, Cl. D80—9.
Postelson-Apostolescu, Steven. Combined helicopter and automobile. 205,326, 7–19–66, Cl. D71—1.
Poster Packaging, Inc.: *See*—
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Poston, Herbert M. Support plate for flower stand assembly. 206,014, 10–18–66, Cl. D35—3.
Postula, Louis J., and V. A., to Postula Products, Inc. Cleaner for golf club heads or the like. 204,867, 5–24–66, Cl. D9—2.
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Postula, Louis J., and V. A. 204,867.
Postula, Victor A.: *See*—
Postula, Louis J., and V. A. 204,867.
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Powers, Edgar A. Kaleidoscope. 205,674, 9–6–66, Cl. D34—15.
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Prisbe, Ernest J., to United-Carr Inc. Front panel for an air conditioner unit. 206,501, 12–20–66, Cl. D62—4.
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Rams, Dieter, to Braun Aktiengesellschaft. Combined lamp housing and stand. 204,680, 5–10–66, Cl. D48—20.
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Raschke, Herbert A., to E. D. Bullard Co. Safety helmet. 205,990, 10–18–66, Cl. D3—13.
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Rawson, Paul O., to Digital Equipment Corp. Cabinet for data processing equipment or similar article. 204,195, 3–29–66, Cl. D26—5.
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Rawson, Paul O., and G. L. Schick, to The Stanley Works. Pad sander. 204,470, 4–19–66, Cl. D37—1.
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Reed, John E., to Sunbeam Corp. Toaster. 204,650, 5–3–66, Cl. D81—10.
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Reed, Martin C., B. L. Altmann, W. A. Wagner, and J. G. Aurand, to Warwick Electronics Inc. Record changer tone arm or similar article. 204,460, 4–19–66, Cl. D26—14.
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Reichow, James R., to The Cornelius Co. Coffee vending machine, or similar article. 204,951, 5–31–66, Cl. D52—3.
Reichow, James R., to The Cornelius Co. Coffee vending machine or similar article. 204,952, 5–31–66, Cl. D52—3.
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Reichow, James R., to The Cornelius Co. Bottle vending machine or similar article. 205,790, 9–20–66, Cl. D52—3.
Reichow, James R., to The Cornelius Co. Beverage dispenser, or similar article. 205,826, 9–27–66, Cl. D2—3.

Reichow, James R., to The Cornelius Co. Beverage vending machine or similar article. 206,399, 12–6–66, Cl. D52—3.
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Reifers, Richard F., to Diamond International Corp. Packaging tray. 203,772, 2–15–66, Cl. D58—12.6.
Reifers, Richard F., and R. A. Schelmetic, to Diamond International Corp. Molded pulp fruit basket or the like. 204,040, 5–3–66, Cl. D58—4.
Reimer, George M., to Union Special Machine Co. Sewing machine. 204,646, 5–3–66, Cl. D70—1.
Reimer, George M., and R. L. Kosrow, to Union Special Machine Co. Sewing machine. 204,173, 3–22–66, Cl. D70—1.
Reimold, Viola J., and W. J. Blunt, to National Sales Co. Bathlift for invalids and convalescents. 205,982, 10–11–66, Cl. D83—1.
Reinecke, Jean O., to General Time Corp. Clock. 204,778, 5–17–66, Cl. D42—7.
Reinecke, Jean O., and W. Y. Hutchinson, to Continental Scale Corp. Weigh beam. 205,157, 6–28–66, Cl. D52—10.
Reinecke, Jean O., and W. Y. Hutchinson, to Continental Scale Corp. Weigh beam. 205,158, 6–28–66, Cl. D52—10.
Reinecke, Jean O., and W. Y. Hutchinson, to Continental Scale Corp. Weighing scale. 205,159, 6–28–66, Cl. D52—10.
Reinecke, Jean O., and W. Y. Hutchinson, to Continental Scale Corp. Weighing scale pan. 205,160, 6–28–66, Cl. D52—10.
Reinecke, Jean O., and W. Y. Hutchinson, to Continental Scale Corp. Infant weighing scale. 205,161, 6–28–66, Cl. D52—10.
Reineman, Richard G., to Brunswick Corp. Billiard table or the like. 205,670, 9–6–66, Cl. D34—3.
Reiner, Kenneth. Container for a bow or the like. 203,562, 1–25–66, Cl. D58—13.
Rellis, Lawrence B. Manned space station vehicle. 203,424, 1–4–66, Cl. D71—1.
Rellis, Lawrence B. Aircraft. 203,425, 1–4–66, Cl. D71—1.
Rellis, Lawrence B. Aircraft. 206,298, 11–22–66, Cl. D71—1.
Rellis, Lawrence B. Aircraft. 206,299, 11–22–66, Cl. D71—1.
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Reynolds, John B. Support for floral displays or the like. 204,552, 4–26–66, Cl. D35—1.
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Rhoades, Nolan K., to National Lock Co. Backplate for a knob or the like. 204,801, 5–17–66, Cl. D50—6.
Rhodes, William E., to Robertshaw Controls Co. Pressure regulator switch or the like. 205,118, 6–21–66, Cl. 91—3.
Rhodes, William E., to Robertshaw Controls Co. Pressure regulator or the like. 205,119, 6–21–66, Cl. D91—3.
Rhodes, William E., to Robertshaw Controls Co. Pressure regulator or the like. 205,120, 6–21–66, Cl. D91—3.
Rhodes, William E., to Robertshaw Controls Co. Pressure regulator or the like. 205,121, 6–21–66, Cl. D91—3.
Rhodes, William E., to Robertshaw Controls Co. Pressure regulator or the like. 205,122, 6–21–66, Cl. D91—3.
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Ries, William M., to Wheeling Steel Corp. Expanded metal sheet. 206,290, 11–22–66, Cl. D54—2.
Riffert, Helmut, and A. Boothby, to Olympia Werke AG. Electronic computing machine. 203,564, 1–25–66, Cl. D64—11.
Riffert, Helmut, and A. Boothby, to Olympia Werke A.G. Casing for punched tape device or the like. 203,990, 3–8–66, Cl. D26—5.
Riffert, Helmut, and A. Boothby, to Olympia Werke A.G. Photographic copying machine. 204,106, 3–15–66, Cl. D61—1.
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Rinkewich, Isaac. Turret lawn sprinkler. 204,122, 3–15–66, Cl. D91—1.
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Rizzatti, Wilbur, to Telectrosonic Corp. Tape recorder. 204,139, 3–22–66, Cl. D26—14.
Rizzutti, Vincent J. Guitar. 205,602, 8–23–66, Cl. D56—1.
Robbins, Daniel H., and R. H. Powers, to Itek Corp. Photographic processor or the like. 204,833, 5–17–66, Cl. D61—1.
Robbins, Harry A. Clothing display rack. 205,568, 8–16–66, Cl. D80—10.
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Robert, Tony. Holder for food pan for pets. 205,656, 9–6–66, Cl. D12—2.
Roberts, Bruce L., to Owens-Illinois Glass Co. Jug. 203,559, 1–25–66, Cl. D58—5.
Roberts, Bruce L., to Owens-Illinois, Inc. Bottle. 204,708, 5–10–66, Cl. D58—6.
Roberts, Bruce L., to Owens-Illinois, Inc. Bottle. 204,709, 5–10–66, Cl. D58—6.
Roberts, Bruce L., to Owens-Illinois, Inc. Bottle. 204,710, 5–10–66, Cl. D58—6.
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Roberts, Bruce L., to Owens-Illinois, Inc. Bottle. 204,826, 5–17–66, Cl. D58—8.
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Roberts, Maria E. Cigarette holder. 206,312, 11–22–66, Cl. D85—8.
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Robertson, Humbert. Gameboard. 205,294, 7–19–66, Cl. D34—5.
Robins, A. H., Co., Inc.: *See*—
Allen, Horace E. 203,729.
Robins, Augustine W., R. V. Harris, Jr., H. W. Carlson, F. E. McLean, and W. D. Middleton, to United States of America, National Aeronautics and Space Administration. Aircraft. 204,331, 4–5–66, Cl. D71—1.
Robosonics Inc.: *See*—
Bohm, Fred. 203,505.
Cappucci, Edward M., and Marotta. 206,443.
Rocheson, Sanford E., to A. B. Levine. Programmed automatic coffee infusion machine. 205,394, 8–2–66, Cl. D2—3.
Rock, James H. Pedestrian bridge. 205,217, 7–12–66, Cl. D13—1.
Rocky-Hi, Inc.: *See*—
Jones, William W., Niesz, and Sharp. 205,840.
Roden, Ted K. Cigarette package holder. 203,731, 2–8–66, Cl. D85—2.
Rodgers, Edward T. Tip for an electric soldering gun. 204,383, 4–12–66, Cl. D26—1.
Rodrigo, Miguel. Arm chair. 206,435, 12–13–66, Cl. D15—1.
Rodriguez, Raoul E. Lamp. 204,793, 5–17–66, Cl. D48—20.
Roecks, Carl C., to General Electric Co. Magnetic tape unit, or similar article. 204,385, 4–12–66, Cl. D26—5.
Roeschlaub, Ronald C., to Topper Products, Inc. Bottle opener. 205,370, 7–26–66, Cl. D44—29.
Rogers, Edward A., to Wilkinson Sword Ltd. Grass cutting shears. 206,077, 10–25–66, Cl. D40—1.
Rogers, Ervin O. Compact. 204,438, 4–12–66, Cl. D86—10.
Rogers, Harold S. Towel holder. 206,052, 10–25–66, Cl. D4—3.
Rogers, John C.: *See*—
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Rogers, Joseph, Inc.: *See*—
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Rogers, Meyric K., to Sunbeam Corp. Motor operated toothbrush handle. 203,927, 3–1–66, Cl. D9—2.
Rogers, Meyric K., to Sunbeam Corp. Floor treating machine or similar article. 204,598, 5–3–66, Cl. D9—2.
Rogers, Meyric K., to Sunbeam Corp. Combined display and charging unit for battery operated appliance. 204,735, 5–17–66, Cl. D4—3.
Rogers, Meyric K., and N. A. Steinkamp, to Sunbeam Corp. Vacuum cleaner. 205,654, 9–6–66, Cl. D9—2.
Rogers, Ralph A.: *See*—
Haas, Martin A., Rogers, and Patton. 203,836.
Rogers, Raymond: *See*—
Jennings, Golden, and Rogers. 205,519.
Rogers, Walter F., and J. C. Rogers, to Crown Stove Works. Stove. 205,979, 10–11–66, Cl. D81—4.
Rollins, Dallas W.: *See*—
Reed, George E., and Rollins. 204,430.
Roman, Simon R. Lamp. 203,861, 2–22–66, Cl. D48—20.
Romaniuk, Paul. Brake-spring installing tool. 206,187, 11–8–66, Cl. D54—13.
Romaniuk, Paul. Brake-spring removal tool. 206,188, 11–8–66, Cl. D54—13.
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Aronson, Louis V., II, Rappoport, and Bond. 204,425.
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Rakocy, William J., and Rappoport. 204,738.
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Rooker, Randolph M. Bath mitt. 205,928, 10–11–66, Cl. D9—2.
Roovaart, Lawrence E., to The Pyle-National Co. Outdoor fluorescent lighting fixture, or similar article. 203,692, 2–8–66, Cl. D48—20.
Rosbro Plastics Corp.: *See*—
Nault, Gerard J. 203,492.
Roseman, Max: *See*—
Golub, Sidney, Bologna, Ziefman, and Roseman. 205,232.
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Werner, Frank D., Darr, Nado, and Petersen. 205,057.
Werner, Frank D., Edberg, and Petersen. 203,805.
Rosen, Charles I., to Emerson Electric Co., Artolier Division. Lantern. 206,082, 10–25–66, Cl. D48—4.
Rosen, Charles I., to Emerson Electric Co., Artolier Division. Lantern. 206,083, 10–25–66, Cl. D48—4.
Rosen, Charles I., to Emerson Electric Co. Wall luminaire. 206,454, 12–13–66, Cl. D48—4.
Rosen, Perry H., to Electro Scientific Industries, Inc. Combined instrument knob and backing plate. 203,991, 3–8–66, Cl. D26—13.
Rosenbaum, Herbert, to Andrea Shoe Corp. Shoe. 205,026, 6–14–66, Cl. D7—5.
Rosenberg, Horst, to I. B. Kleinert Rubber Co. Clothing carrier. 204,358, 4–5–66, Cl. D87—5.
Rosenblatt, Harry, to Ross Belts Inc. Decorative attachment for a belt. 205,617, 8–30–66, Cl. D17—1.
Rosenthal-Porzellan Aktiengesellschaft: *See*—
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Wiinblad, Bjorn. 206,018.
Rosenvold, Lloyd K. and R. J. Slope measuring instrument. 203,518, 1–18–66, Cl. D52—6.
Rosenvold, Robert J.: *See*—
Rosenvold, Lloyd K. and R. J. 203,518.
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Ross, Grant D., Jr., to Bell & Howell Co. Slide projector. 204,643, 5–3–66, Cl. D61—1.
Ross, Sherwood B., to Chain Bike Corp. Bicycle frame. 206,255, 11–15–66, Cl. D90—8.
Roth, Arthur T., to Franklin National Bank. Safe deposit box. 205,641, 8–30–66, Cl. D69—1.
Roth, Charles: *See*—
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Roth, Eric M. Lint roller. 206,258, 11–22–66, Cl. D9—2.
Roth, Ernest R. Electrode for measuring dissolved oxygen or the like. 203,984, 3–8–66, Cl. D26—1.
Rother, Eberhard, to Vorwerk & Co. Head for a vacuum cleaner. 205,610, 8–30–66, Cl. D9—2.
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Roto Rico, Inc.: *See*—
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Rotron Mfg. Co., Inc.: *See*—
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Harris, Dwight E., and Zoehfeld. 203,952.
Rousey, Donald L., R. D. McCutcheon, and F. H. Leslie, to Leslie Welding Co., Inc. Ventilator. 203,484, 1–11–66, Cl. D62—3.
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Lambert, Bryan H., and Routh. 206,197.
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Heuckeroth, Curt. 204,083.
Rowland, Donald G., W. F. Conway, and J. M. Green, to The B. F. Goodrich Co. Carpet underlay. 205,336, 7–19–66, Cl. D92—4.
Roy, Mae L. Flag. 204,063, 3–15–66, Cl. D29—17.
Royal Industries, Inc.: *See*—
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Rubin, Harold, to Testrite Instrument Co., Inc. Easel. 205,514, 8–16–66, Cl. D29—20.
Rubin, J. M., & Sons: *See*—
Rubin, Max. 203,380.
Rubin, Julius W. Portable blower. 205,689, 9–6–66, Cl. D62—2.
Rubin, Max, to J. M. Rubin & Sons. Glove. 203,380, 1–4–66, Cl. D3—11.
Rubinstein, Joseph, to General Slicing Machine Co., Inc. Vacuum base for appliances or the like. 204,093, 3–15–66, Cl. D54—13.
Rudd, Gerald A., to Diamond International Corp. Egg tray. 204,830, 5–17–66, Cl. D58—13.
Ruderian, Max J. Mathematical teaching device. 203,982, 3–8–66, Cl. D25—1.
Rudin, Melvin, to Dynatek. Multi-product dispenser for toiletries. 205,304, 7–19–66, Cl. D52—2.
Rudy, Stephen J. Crib. 205,830, 9–27–66, Cl. D5—5.
Ruedin, Hazel. Portable foot switch retaining pad for sewing machines. 203,811, 2–22–66, Cl. D9—6.
Ruliffson, Allen M. Pump to motor adapter. 205,691, 9–6–66, D65—1.
Rush, Roy C. Parking area vacuum cleaner. 204,054, 3–15–66, Cl. D9—2.
Russell, Allan: *See*—
Russell, John T. and A. 203,916.
Russell, Charles R.: *See*—
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Russell, Fred J. Door knob. 204,086, 3–15–66, Cl. D50—3.
Russell, Fred J. Door knob. 205,542, 8–16–66, Cl. D50—3.
Russell, Fred J., and D. G. Stroh; said Stroh assor. to said Russell. Door knob. 203,867, 2–22–66, Cl. D50—3.
Russell, Fred J., and M. H. Windemuth; said Windemuth assor. to said Russell. Fluted door knob. 206,456, 12–13–66, Cl. D50—3.
Russell, Grover M., and C. B. Morgan, to Penn Controls, Inc. Space condition responsive instrument. 205,244, 7–12–66, Cl. D52—7.
Russell, John T. and A. Smoker's tray. 203,916, 2–22–26, Cl. D85—8.
Russell, Linus E., to Peters and Russell, Inc. Galley pump. 205,253, 7–12–66, Cl. D65—1.
Russell, T. J. Duke. Dispensing closure for paste containers. 204,172, 3–22–66, Cl. D58—26.
Russell, T. J. Duke. Dispensing closure for paste containers. 204,909, 5–24–66, Cl. D58—26.
Ruterbusch, Milton J., and A. J. Thomas, to Eastman Kodak Co. Film record card. 205,912, 10–4–66, Cl. D59—2.
Rutter, Sheldon M., to American Electric Mfg. Corp. Luminaire. 203,764, 2–15–66, Cl. D48—31.
Rutter, Sheldon M., to American Electric Mfg. Corp. Luminaire. 204,618, 5–3–66, Cl. D48—31.
Rutter, Sheldon M., to American Electric Mfg. Corp. Luminaire. 206,240, 11–15–66, Cl. D48—31.
Rutzebeck, John D. Case for power pack. 204,607, 5–3–66, Cl. D26—15.
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Girard, Peter F. 203,524.
Peterson, John M. 204,108.
Ryan, John D.: *See*—
Neal, Franklin M., and Ryan. 204,081.
Ryan, John W., to Mattel, Inc. Manual motor sound toy. 203,648, 2–1–66, Cl. D90—1.
Ryan, John W. Convertible toy cap gun. 203,842, 2–22–66, Cl. D34—15.
Ryan, John W. Disguisable toy cap rifle. 204,284, 4–5–66, Cl. D34—15.
Ryan, John W. Bicycle. 204,969, 5–31–66, Cl. D90—8.
Ryan, John W. Casing for a child's educational toy. 205,185, 7–5–66, Cl. D34—5.
Ryan, John W., to Mattel, Inc. Animated music box toy. 206,487, 12–20–66, Cl. D34—15.
Ryan, John W., and R. A. MacMeekin. Velocipede. 203,759, 2–15–66, Cl. D34—15.
Ryan, John W., and F. E. Schlau. Toy gun. 204,469, 4–19–66, Cl. D34—15.
Ryan, John W., and W. D. Kabot. Disguisable top cap gun. 206,235, 11–15–66, Cl. D34—15.
Ryan, John W., and G. W. Schmidt, to Mattel, Inc. Velocipede. 206,334, 11–29–66, Cl. D34—15.
Ryan, John W., and F. E. Schlau, to Mattel, Inc. Toy gun. 206,542, 12–27–66, Cl. D34—15.
Ryan, Thomas J., to Corning Glass Works. Warming tray or the like. 205,820, 9–20–66, Cl. D81—10.
S & A Elecrotnics, Inc.: *See*—
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S-B Mfg. Co.: *See*—
Schulz, Donald A. 204,187.
SCM Corp.: *See*—
Abend, Chester J., and Goodrich. 203,675.
Abend, Chester J., and Metzner. 204,428.
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Sabella, Edward J., and R. F. Tankard, to International Business Machines Corp. Manual data entry keyboard console. 205,591, 8–23–66, Cl. D26—5.
Sachnoff, Ben B., and M. M. Levin. Burner liner. 203,910, 2–22–66, Cl. D81—25.
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Sackett, Robert L. Fin for a water ski or surfboard. 206,561, 12–27–66, Cl. D71—1.
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Saiger, Herbert C., and R. C. Geiger, to Hobart Mfg. Co. Combined control panel and handle for a dishwashing machine. 205,043, 6–14–66, Cl. D49—1.
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Salem China Co., The: *See*—
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Laughlin, Clayton A. 204,651.
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Sanfilippo, Samuel, to The Pizza Villa, Inc. Restaurant. 204,745, 5–17–66, Cl. D13—1.
Sanner, George E. Master control unit for automatic lawn sprinkling systems. 205,433, 8–2–66, Cl. D91—1.
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Sanzare, Charles P., to Archery Lanes, Inc. Quiver for automatic archery range. 204,064, 3–15–66, Cl. D30—1.
Saraceni, Joseph, and H. Zimmon, to Zimmon & Co., Inc. Protective shoe cover. 204,975, 6–7–66, Cl. D7—7.
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Sathmary, Bertram W., D. Sinnott, and J. L. Schmidt, to Electronic Associates, Inc. Cabinet for electronic equipment. 203,988, 3–8–66, Cl. D26—5.
Sathmary, Bertram W., D. Sinnott, and J. Bruce, to Electronic Associates, Inc. Cabinet for electronic equipment. 206,380, 12–6–66, Cl. D26—5.
Sato, Masahiro, to Kabushiki Kaisha Honda Gijutsu Kenkyusho Kitaadachigun. Combined internal combustion engine and electric generator. 205,975, 10–11–66, Cl. D77—1.
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Sauer, Alfred. Mobile. 204,677, 5–10–66, Cl. D29—1.
Saunders, William T., to National Steel Corp. End closure for a container. 206,247, 11–15–66, Cl. D58—26.
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Yeaman, Carl R. 206,260.
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Van Pelt, Charles C. 203,487.
Sayre, Howard J. Livestock ear tag. 204,744, 5–17–66, Cl. D12—2.
Scanlon, Edward C. Ear phone head set. 205,072, 6–21–66, Cl. D26—14.
Scarborough, Clarence H., Jr., to Frank Holister Co., Inc. Concrete reinforcing bar support. 204,563, 4–26–66, Cl. D54—1.
Schaefer, George E., to Brunswick Corp. Ball cart or the like. 203,755, 2–15–66, Cl. D34—5.
Schaefer, Joseph K. Terminal housing. 204,136, 3–22–66, Cl. D26—1.
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Crease, Pierre L., and Schaefer. 204,413.
Schafer, Francis A. TV lamp. 204,486, 4–19–66, Cl. D48—20.
Schafroth, Werner. Handle unit for a driving machine. 204,097, 3–15–66, Cl. D54—14.
Scharschmidt, Rudolph K. Cooked snack product. 205,027, 6–14–66, Cl. D8—12.
Schellens, Henricus F. T., to North American Philips Co., Inc. Dry shaver. 203,820, 2–22–66, Cl. D22—3.
Schellens, Henricus F. T., to North American Philips Co., Inc. Combined dry shaver and hair clipper. 204,266, 4–5–66, Cl. D22—3.
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Scherer, Paul A. Sailing craft. 204,035, 3–8–66, Cl. D71—1.
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Schetzer, Charles H. Pocket ash tray. 205,172, 6–28–66, D85—2.
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Schiller, Charles P. Citrus fruit spoon. 204,018, 3–8–66, Cl. D54—12.
Schilling, Paul K., to Plastics, Inc. Drinking cup or similar article. 204,780, 5–17–66, Cl. D44—9.
Schindler, Raymond G. Platform deck type boat, or the like. 206,505, 12–20–66, Cl. D71—1.
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Schmidt, Gerald R.: *See*—
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Schmoyer, Arthur R. Illuminable panel for visual aid keyboard instruction device. 205,401, 8–2–66, Cl. D25—1.
Schneider, Donald A., to General Motors Corp. Air conditioner cabinet. 206,196, 11–8–66, Cl. D62—4.
Schneider, Joseph L. Fish lure. 205,773, 9–20–66, Cl. D31—4.
Schneider, Joseph L. Fish lure. 205,774, 9–20–66, Cl. D31—4.
Schneider, Joseph L. Fish lure. 205,949, 10–11–66, Cl. D31—4.
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Schnepfe, Robert W., Jr., F. J. Pilarski, I. R. Barr, and D. Sylvester. Grenade for dispensing gases, liquids, or the like. 205,711, 9–13–66, Cl. D30—1.
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Kramer, Joachim, Schonfeld, and Stark. 204,070.
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Schreckengost, Viktor, to The Salem China Co. Plate. 204,012, 3–8–66, Cl. D44—15.
Schreckengost, Viktor, to The Murray Ohio Mfg. Co. Windshield accessory for a velocipede. 204,196, 3–29–66, Cl. D34—15.
Schreckengost, Viktor, to The Murray Ohio Mfg. Co. Fan. 205,168, 6–28–66, Cl. D62—4.
Schreckengost, Viktor, to The Murray Ohio Mfg. Co. Adjustable appliance stand. 205,252, 7–12–66, Cl. D62—4.
Schreckengost, Viktor. Bicycle light. 205,787, 9–20–66, Cl. D48—24.
Schreckengost, Viktor. Bicycle light. 205,788, 9–20–66, Cl. D48—24.
Schreckengost, Viktor, to The Murray Ohio Mfg. Co. Combination signal lamp and siren for a juvenile vehicle. 205,860, 9–27–66, Cl. D48—24.
Schroeder, George A.: *See*—
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Schubert, Richard G.: *See*—
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Schulte, John C., to Sperry Rand Corp. Remote input/output console or similar article. 204,268, 4–5–66, Cl. D26—5.
Schulte, Paul H. Erase head for a magnetic tape recorder or similar article. 203,593, 2–1–66, Cl. D26—14.
Schulte, Paul H. Combined record and playback head for a magnetic tape recorder or similar article. 203,594, 2–1–66, Cl. D26—14.
Schulz, Donald A., to S-B Mfg. Co. Door closer. 204,187, 3–29–66, Cl. D10—7.
Schulze, Herbert C. Pipe fitting. 204,184, 3–22–66, Cl. D91—3.
Schumm, Donald W., and D. C. Shady. Hoop stick. 205,364, 7–26–66, Cl. D34—5.
Schumm, Donald W., and D. C. Shady. Packaged hoop and hoop stick. 205,684, 9–6–66, Cl. 58—2.
Schurman, Peter T., to W. R. Grace & Co. Carrying case for a soldering tool or the like. 205,579, 8–16–66, Cl. D87—5.
Schurman, Peter T., to W. R. Grace & Co. Carrying case for a soldering tool or the like. 205,580, 8–16–66, Cl. D87—5.
Schwartz, Frederick W., to Cable Electric Products, Inc. Combined lamp holder and support therefor. 204,791, 5–17–66, Cl. D48—20.
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Schwartz, Nathan R., to Swivelier Co., Inc. Lighting fixture adaptor. 205,784, 9–20–66, Cl. D48—4.
Schwartz, Shepard. Foot sock or similar article. 206,081, 10–25–66, Cl. D47—7.
Schwartz, Sidney, to Bantam-Lite, Inc. Combined miniature flashlight and keyholder. 204,014, 3–8–66, Cl. D48—24.
Schwartz, Sidney, to Bantam-Lite, Inc. Combined keyring and flashlight. 205,451, 8–9–66, Cl. D17—14.
Schwartzman, Gilbert. Liquid dispensing closure cap. 205,427, 8–2–66, Cl. D58—26.
Schweiss, Johanna P., to The Grove Co. Coat. 205,439, 8–9–66, Cl. D3—4.
Schwinn, Arnold, & Co.: *See*—
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Stevens, Philip H., Chase, and Bunyea. 205,574.
Scott, Charles. Foot switch. 204,762, 5–17–66, Cl. D26—13.
Scott, Charles G., to Kalvar Corp. Apparatus for exposing and developing photographic film by the application of heat. 204,427, 4–12–66, Cl. D61—1.
Scott, David E., to Square-D Co. Control knob for an electrical switch. 205,846, 9–27–66, Cl. D26—13.
Scott, Henry J. and L. Game board. 204,992, 6–7–66, Cl. D34—5.
Scott, Isaiah. Collapsible tube squeezer. 204,050, 3–15–66, Cl. D4—3.
Scott, Lenore: *See*—
Scott, Henry J. and L. 204,992.
Scott, Roland J. Drawing board clamp bracket. 205,088, 6–21–66, Cl. D54—1.
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Seckel, Peter H., to Rexall Drug and Chemical Co. Corrugated hose. 206,236, 11–15–66, Cl. D43—1.
Seckel, Peter H. Flexible corrugated hose. 206,387, 12–6–66, Cl. D43—1.
Seckerson, Clifford A., to United-Carr Inc. Tape spool clip. 204,132, 3–22–66, Cl. D17—3.
Seebeck, Hans J., to Patterson International Corp. Game table. 205,141, 6–28–66, Cl. D34—5.
Seebinger, Frederick L., to American Trading & Production Corp. Loudspeaker or similar article. 205,663, 9–6–66, Cl. D26—14.
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Seibel, Benjamin, to American Can Co. Knife or similar article. 203,818, 2–22–66, Cl. D22—3.
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Seidlein, George H. Nail puller. 206,046, 10–18–66, Cl. D93—4.
Seidoh, Masami, to Honeywell Inc. Molded electric cord connector. 203,748, 2–15–66, Cl. D26—1.
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Sellars, James F., Jr., and R. C. King. Infant's training chair. 203,435, 1–11–66, Cl. D4—5.
Sellars, James F., Jr., R. C. King, and R. R. Spilman, to Hamilton Cosco, Inc. Infant's training chair. 204,447, 4–19–66, Cl. D4—5.
Selnes, Norman W. Ski pack. 204,725, 5–10–66, Cl. D87—5.
Sementa, Dominick F., to International Telephone and Telegraph Corp. Portable radio receiver with detachable speaker wings. 203,704, 2–8–66, Cl. D56—4.
Sementa, Dominick F., to International Telephone and Telegraph Corp. Portable phonograph. 204,317, 4–5–66, Cl. D56—4.
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Sharp, Robert E. A., to The Dow Chemical Co. Jug. 206,407, 12–6–66, Cl. D58—5.
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Shea, Gerald T. Drapery traverse track or similar article. 206,265, 11–22–66, Cl. D21—1.
Shearin, Hubert S., to Manual Arts Furniture Co. Music rack lamp. 205,192, 7–5–66, Cl. D48—20.
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Shelby, Richard K., to Monsanto Co. Plastic merchandising container or the like. 204,713, 5–10–66, Cl. D58—12.6.
Sheldall, Garland L. Spray head. 205,337, 7–19–66, Cl. D91—3.
Sheldall, Garland L. Decorative scroll. 205,794, 9–20–66, D54—2.
Shelley, John H. Sailboat. 205,255, 7–12–66, Cl. D71—1.
Shepheard, Wilson C. Ambulatory airfield control tower. 205,892, 10–4–66, Cl. D14—3.
Shepherd, Charles E. Buoy. 203,485, 1–11–66, Cl. D71—1.
Shepherd, Douglas S. Barrel cart. 204,753, 5–17–66, Cl. D14—3.
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Shindler, Anthony, to American Optical Co. Pair of sunglasses. 204,100, 3–15–66, Cl. D57—1.
Shindler, Anthony, to American Optical Co. Pair of sunglasses. 204,417, 4–12–66, Cl. D57—1.
Shindler, Anthony, to American Optical Co. Pair of sunglasses. 204,812, 5–17–66, Cl. D57—1.
Shindler, Anthony, to American Optical Co. Pair of sunglasses. 204,815, 5–17–66, Cl. D57—1.
Shinkis, Leon S. Chair. 206,433, 12–13–66 Cl. D15—1.
Shiramatsu, Sho, and E. Terada, to Minolta Camera Kabushiki Kaisha. Camera. 206,137, 11–1–66, Cl. D61—1.
Shirey, James. Antenna coil. 206,441, 12–13–66, Cl. D26—14.
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Shotmeyer, Albert. Automobile service station. 205,996, 10–18–66, Cl. D13—1.
Shugarman, Earl M., to W. J. Voit Rubber Corp. Pressure regulator unit for underwater breathing apparatus. 203,640, 2–1–66, Cl. D83—1.
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Simmons, Harold T., to P. R. Mallory & Co., Inc. Housing for a snap action switch. 204,060, 3–15–66, Cl. D26—13.
Simmons, Leonard. Machine for validating tickets. 204,329, 4–5–66, Cl. D64—11.

Simmons, Lovel R., and W. O. Ray, to M-R-S Mfg. Co. Trailer. 204,750, 5–17–66, Cl. D14—3.
Simmons, Lovel R., and W. O. Ray, to M-R-S Mfg. Co. Trailer. 204,754, 5–17–66, Cl. D14—3.
Simmons, Lovel R., and W. O. Ray, to M-R-S Mfg. Co. Trailer. 205,935, 10–11–66, Cl. D14—3.
Simon, Floyd A. Luggage carrier for a station wagon body. 203,670, 2–8–66, Cl. D14—27.
Simon, Frank C. Combined tape dispenser and cutter therefor. 205,565, 8–16–66, Cl. D74—1.
Simon, Jean R., to Bausch & Lomb Inc. Pair of spectacles. 205,417, 8–2–66, Cl. D57—1.
Simon, Jean R., to Bausch & Lomb Inc. Spectacle frame. 205,418, 8–2–66, Cl. D57—1.
Simonelli, Robert M., and T. M. Steinbach, to Sawyer's Inc. Slide projector. 205,805, 9–20–66, Cl. 61—1.
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Skupien, Frank. Combined bank and drinking cup. 204,473, 4–19–66, Cl. D44—9.
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Slusher, Emmet G. Aerial platform. 205,835, 9–27–66, Cl. D14—3.
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Smith, David E., to Storrs Schaefer, Inc. Display stand. 206,141, 11–1–66, Cl. D80—9.
Smith, Gregory M., and W. L. Campbell. Protective cover for combination lock. 205,904, 10–4–66, Cl. D50—7.
Smith, Harold L., to Ideal Dispenser Co. Vending machine. 205,544, 8–16–66, Cl. D52—3.
Smith, Harold L., to Ideal Dispenser Co. Vending machine. 205,545, 8–16–66, Cl. D52—3.
Smith, Harvey J., to Modern Metal Products Co. Storage cabinets for soft drink crates. 204,719, 5–10–66, Cl. D80—11.
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Doman, Donald W. 205,523.
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Solberg, Kenneth M. Toothbrush. 204,869, 5–24–66, Cl. D6—2.
Solheim, Karsten. Golf putter. 203,512, 1–18–66, Cl. D34—5.
Solipasso, Victor M., ½ each to H. A. Jacobsen and R. H. Mitzler. Inflatable sled. 206,335, 11–29–66, Cl. D34—15.
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Spar, Irwin W., and B. J. Durand. Plastic panel. 206,090, 10–25–66, Cl. D54—2.
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Stahl, William F., to Honeywell Inc. Control instrument panel. 204,311, 4–5–66, Cl. D52—6.
Stahmer, Bernhardt. Hat or similar article. 205,651, 9–6–66, Cl. D3—13.

Staib, Nell, and W. V. Judson, to General Electric Co. Clock or similar article. 203,848, 2–22–66, Cl. D42—7.
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Stark, Marvin L., and F. C. Lewis, to Peerless Mfg. Division Dover Corp. Combined log lighter and burner tube. 206,203, 11–8–66, Cl. D81—10.
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Stein, Helen L. Garment hanger. 206,207, 11–8–66, Cl. D80—8.
Stein, Roy H. Floor stripping machine. 204,289, 4–5–66, Cl. D37—1.
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Steinman, Theodore C., to Accessocraft Products Corp. Brooch or similar article. 206,346, 11–29–66, Cl. D45—19.
Stengel, John E., to Reynolds Metals Co. Place mat or the like. 205,206, 7–5–66, Cl. D92—26.
Stephan, Paul G., to E. I. du Pont de Nemours and Co. Can carrier or similar article. 203,897, 2–22–66, Cl. D58—26.
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Stephens, Frank H., Jr., T. I. Kingsford, and F. Van Haltern, Jr., to Scripto, Inc. Merchanising display stand for lighters and the like. 205,023, 6–7–66, Cl. D80—9.
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Stevens, Philip H., D. O. Chase, and R. F. Bunyea, to Scott Aviation Corp. Regulator console panel for aircraft breathing equipment or the like. 205,574, 8–16–66, Cl. D83—1.
Stevenson, Harold A., and R. G. Schubert, to Northrop Corp. Test instrument. 205,906, 10–4–66, Cl. D52—6.
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Stewart, Donald E., to Electro-Optical Systems, Inc. Hollow corner prism. 204,319, 4–5–66, Cl. D57—1.
Stewart, Herbert G. H. Cover for a recessed paper roll holder. 204,865, 5–24–66, Cl. D4—3.
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Stone, Roy A., to National Lock Co. Pull or the like. 206,057, 10–25–66, Cl. D10—8.
Stoop, Hansrudolf, to Defensor Aktiengesellschaft. Air humidifier. 203,900, 2–22–66, Cl. D62—4.
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Storm, Frederick K., Jr., to Orbitor, Ltd. Floor treating machine. 205,444, 8–9–66, Cl. D9—2.
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Strader, John G., to The Gary Aqua-Peller Corp. Motor-propelled underwater breathing and diving apparatus. 205,643, 8–30–66, Cl. D71—1.
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Stram, George H., and R. E. Plowman, to The Dentists' Supply Co. of New York. Control unit for dental apparatus. 204,983, 6–7–66, Cl. D24—1.
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Sundholm, Edwin P. Hand grease gun. 206,282, 11–22–66, Cl. D46—1.
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Tecton, Mike. Duck nose aircraft or the like. 205,486, 8–9–66, Cl. D71—1.
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Voorhees, Milton S. Soap holder. 205,212, 7–12–66, Cl. D4—3.
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Waldeck, John. Massaging roller. 206,513, 12–20–66, Cl. D83—1.
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Wallach, Kurt L. Hair comb. 205,606, 8–23–66, Cl. D86—8.
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Waller, James N., Jr. Hamburger pattie mold. 203,612, 2–1–66, Cl. D44—1.
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Wally, Joseph H., Jr., to Opti-Copy, Inc. Projection viewer. 204,964, 5–31–66, Cl. D61—1.
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Wanderer, Herbert J. Cup. 204,782, 5–17–66, Cl. D44—9.
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Watts, Richard M., to Reynolds Metals Co. Place mat or the like. 205,393, 7–26–66, Cl. D92—26.
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Werner, Frank D., R. M. Darr, M. A. Luger, and P. S. Petersen, to Rosemount Engineering Co. Ski boot. 203,806, 2–22–66, Cl. D7—7.
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Wilkens, Howard J., to Brunswick Corp. Golf bag or the like. 206,010, 10–18–66, Cl. D34—5.
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Williams, William W. Decorative hanging element. 205,619, 8–30–66, Cl. D29—1.
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Willinger, Allan H., to Aquariums Inc. Electric power operated aquarium filter. 205,582, 8–16–66, Cl. D91—1.

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Wilson, Henry A. Kite reel. 206,078, 10–25–66, Cl. D41—1.

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Wilson, Warren. Combined tissue dispenser, and litter and accessory container, for automobiles. 205,637, 8–30–66, Cl. D58—12.6.

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Wistrand, John C., to Columbia Broadcasting System, Inc. Phonograph. 205,634, 8–30–66, Cl. D56—4.

Withers, Loren R. Piano touch instructor. 205,841, 9–27–66, Cl. D25—1.

Wittenmyer, Glen L., to The B. F. Goodrich Co. Tire. 205,390, 7–26–66, Cl. D90—20.

Wittenmyer, Glen L., to The B. F. Goodrich Co. Tire. 205,391, 7–26–66, Cl. D90—20.

Wittenmyer, Glen L. Tire. 205,880, 9–27–66, Cl. D90—20.

Wittner, Ernest: *See*—
Cottier, Seton, Jones, and Wittner. 203,986.

Wlodyga, Richard J.: *See*—
Adler, Irving N. 205,046.
Adler, Irving N. 206,190.

Wojciechowski, Francis X., to Hoffman Electronics. Shipping container for electronic apparatus or the like. 204,028, 3–8–66, Cl. D58—11.

Wolf, Arnold O. Power operated knife handle. 203,540, 1–25–66, Cl. D22—3.

Wolf, Arnold O., to Scovill Mfg. Co. Power operated knife handle. 204,455, 4–19–66, Cl. D22—3.

Wolf, Bernhard: *See*—
Riccius, Rolf, and Wolf. 204,034.

Wolf, David, to Empire Slip-On Hook Corp. Cafe rod drapery hook. 205,219, 7–12–66, Cl. D21—1.

Wolf, Donald A.: *See*—
Silberels, Joseph A., and Wolf. 204,925.

Wolf, Robert B. Athletic shoe. 205,280, 7–19–66, Cl. D7—5.

Wolf, Tobin, and W. J. Lawrence, Jr., to The Singer Co. Case for portable phonograph or similar article. 206,556, 12–27–66, Cl. D56—4.

Wolf, Waldemar, and O. Katz, to M. Maul. Card sorter or the like. 204,330, 4–5–66, Cl. D64—11.

Wolfanger, Curt R. R., to C. G. Conn. Loudspeaker actuated resonating device for musical reproduction. 206,555, 12–27–66, Cl. D56—1.

Wolfe, Gerald W., to Air Control, Inc. Clean air station or similar article. 206,001, 10–18–66, Cl. D16—2.

Wolfe, Gerald W., to Air Control, Inc. Contamination control station. 206,002, 10–18–66, Cl. D16—2.

Wolfe, Norbert T., to Honeywell Inc. Liquid dispenser. 206,519, 12–27–66, Cl. D2—3.

Wolff, Louis: *See*—
Malek, Jack H., and Turner. 205,193.

Wolford, Dale E., to The F. E. Myers & Bro. Co. Spraying unit. 205,404, 8–2–66, Cl. D31—3.

Wonsch, Lawrence L. Combined reel and holder with rod and carrying strap for fishing, kite flying or similar use. 204,893, 5–24–66, Cl. D41—1.

Wood, Burl T., to Lindsay Ripe Olive Co. Dispenser of edibles or similar article. 204,477, 4–19–66, Cl. D44—24.

Wood, Edwin C. Support for a watering hose. 206,366, 11–29–66, Cl. D91—1.

Wood, Nadean. Pillow. 204,443, 4–19–66, Cl. D3—9.

Wood, Prentice J., to The Mead Corp. Bottle carrier. 206,359, 11–29–66, Cl. D58—26.

Wood Wand Corp.: *See*—
Sasse, Howard A. 206,234.

Wood, William F. Bottle for liquids. 203,883, 2–22–66, Cl. D58—6.

Wood, William F. Bottle. 203,884, 2–22–66, Cl. D58—6.

Wood, William G., to The Electric Storage Battery Co. Pair of welding goggles. 204,638, 5–3–66, Cl. D57—1.

Woodard, Gordon K. Dispenser cap or similar article. 203,710, 2–8–66, Cl. D58—26.

Woodburn, William, to Glamorene Products Corp. of Delaware. Revolvable display rack. 206,415, 12–6–66, Cl. D80—10.

Woodward, Frederick R., to Gorham Corp. Candelabra. 204,077, 3–15–66, Cl. D48—2.

Woodward, Walter R., to United Shoe Machinery Corp. Convectional cooling cover for mechanical speed changer and the like. 205,632, 8–30–66, Cl. D55—1.

Woolworth, Richard G., to Old Pal, Inc. Ski boot case. 205,921, 10–4–66, Cl. D87—5.

Work, Albert H. Article display holder. 204,218, 3–29–66, Cl. D80—9.

Workman, David E.: *See*—
Perkins, George D., and Workman. 206,004.
Perkins, George D., and Workman. 206,005.
Perkins, George D., and Workman. 206,158.

Wortley, Austin M., Jr., to Penguin Associates, Inc. Launcher for tear gas, flare pellets, and the like. 203,996, 3–8–66, Cl. D30—1.

Wright, Thomas E.: *See*—
Landis, Henry R., and Wright. 204,591.

Wright, Thomas E. Combined litter container and tissue dispenser. 203,630, 2–1–66, Cl. D58—17.

Wullschleger, Albert. Spirit level. 205,413, 8–2–66, Cl. D52—6.

Wust, Frits: *See*—
Dahlhaus, Hermann, and Wust. 203,392.

Wyatt Mfg. Co., Inc.: *See*—
McGiny, Ralph J. 203,878.

Wyma, Edwin R.: *See*—
Noyes, Eliot, Cooper, and Wyma. 203,674.

Wyse, David S., and J. E. Kienker, to Project Unlimited, Inc. Readout head for a sonar system or similar article. 204,939, 5–31–66, Cl. D26—5.

Xerox Corp.: *See*—
Northrup, Neal L. 205,910.
Plantholt, Robert G. 205,806.

Yacobian, Ara. Button or similar article. 204,934, 5–31–66, Cl. D17—2.

Yamada, Benjamin N.: *See*—
Hvale, James L., and Yamada. 203,613.

Yamamoto, Kyoichi, to Zenza Bronica Kogyo Kabushikikaisha. Gas cigarette lighter. 204,799, 5–17–66, Cl. D48—27.

Yamamura, Hiroshi. Film cartridge or similar article. 205,807, 9–20–66, Cl. D61—1.

Yamasaki, Kim, H. V. Tibbets, and J. F. Hutchison, to Texas Tennessee Industries, Inc. Water can. 203,709, 2–8–66, Cl. D58—17.

Yanagisawa, Akira, to Fotochrome, Inc. Camera. 203,899, 2–22–66, Cl. D61—1.

Yaskulka, Joseph, to Lake Park Tool and Die, Inc. Hinge leaf. 206,115, 11–1–66, Cl. D10—9.

Yeaman, Carl R., to Sav-On Draperies, Inc. Machine for cleaning bowling score cards and the like. 206,260, 11–22–66, Cl. D9—2.

Yerkovich, Simon, and J. A. T. Rathbone, ½ to Myco Industries, Inc., and ½ to Jet Dispenser Corp. Liquid soap dispenser. 204,594, 5–3–66, Cl. D4—3.

Yocum, William C.: *See*—
Pichulo, Daniel A., and Yocum. 206,042.

Yoder, Chris W. Washing machine or similar article. 205,242, 7–12–66, Cl. D49—1.

Yormack, Abraham. Plastic bath tub protector unit or the like. 206,145, 11–8–66, Cl. D4—4.

Yost, Philipp R. Floor covering or the like. 205,701, 9–6–66, Cl. D92—4.

Yotsukura, Masakatsu, to Citizen Watch Co., Ltd. Adding machine. 205,972, 10–11–66, Cl. D64—11.

Young, Claude A. Can opener. 206,490, 12–20–66, Cl. D55—1.

Young, Joe O.: *See*—
Guevara, Antonio, Jr., and Young. 205,999.

Young, Ralph C., and R. T. Bingman, to White Automotive Corp. Convertible cargo cover or similar article. 203,498, 1–18–66, Cl. D14—27.

Young, Roger G., 40% to Uniweld, Inc. Signal Light supporting bracket. 204,216, 3–29–66, Cl. D72—1.

Youngblood, Leonard C., to United States Rubber Co. Tire. 205,204, 7–5–66, Cl. D90—20.

Youngblood, Leonard C., to United States Rubber Co. Tire. 205,205, 7–5–66, Cl. D90—20.

Youngs, Leonard S. Illuminable holder for a telephone and writing pad. 205,871, 9–27–66, Cl. D74—1.

Zandelin, Johan S. Combined desk set, calendar and telephone index. 203,724, 2–8–66, Cl. D74—1.

Zanuso, Marco. Child's chair. 205,657, 9–6–66, Cl. D15—1.

Zapolski, Ben. Desk lamp. 205,238, 7–12–66, Cl. D48—20.

Zavodny, Sophie H. Therapeutic rocking cot. 205,978, 10–11–66, Cl. D83—1.

Zavodsky, Rudolf. Painter's brush or the like. 204,449, 4–19–66, Cl. D9—2.

Zbikowski, Ted, and J. L. Marchello, to American Safety Equipment Corp. of Michigan. Motorcycle windshield. 205,983, 10–11–66, Cl. D90—1.

Zeigman, Bernard: *See*—
Golub, Sidney, Bologna, Zeifman, and Roseman. 205,232.

Zeitz, Arthur E., to Compco Corp. Lighting fixture. 204,558, 4–26–66, Cl. D48—23.

Zelenko, Harry. Portable table lamp, or similar article. 205,463, 8–9–66, Cl. D48—20.

Zelisko, Peter A., to Home Tap Co. Liquid dispensing unit. 205,924, 10–11–66, Cl. D2—3.

Zell, Salomon. Anticondensation panel for vehicle windows or the like. 206,530, 12–27–66, Cl. D14—27.

Zeller, Isaac: *See*—
Hellinger, Gary, and Zeller. 205,257.

Zelnick, Charles, to The Lufkin Co. Measuring tape. 206,457, 12–13–66, Cl. D52—1.

Zenith Radio Corp.: *See*—
Boldt, Melvin H. 204,318.
Boldt, Melvin H. 204,907.
Boldt, Melvin H. 205,725.
Boldt, Melvin H. 205,726.
Boldt, Melvin H. 205,727.
Boldt, Melvin H. 205,728.
Boldt, Melvin H. 206,492.

Zenner, Walter J., to Teletype Corp. Data preparation console. 206,268, 11–22–66, Cl. D26—5.

Zenza Bronica Kogyo Kabushikikaisha: *See*—
Yamamoto, Kyoichi. 204,799.

Zepi's Pizza, Inc.: *See*—
Hooper, Kenneth P. 205,446.

Zibelin, Henry S. Bowl for citrus fruits. 203,515, 1–18–66, Cl. D44—15.

Ziglin, Camille I. Combined massage roller and reducing exerciser. 204,046, 3–8–66, Cl. D83—1.

Zimmerman, Jack. Combined finger ring and shooting toy. 205,899, 10–4–66, Cl. D34—15.

Zimmon & Co., Inc.: *See*—
Saraceni, Joseph, and Zimmon. 204,975.

Zimmon, Harold: *See*—
Saraceni, Joseph, and Zimmon. 204,975.

Zoehfeld, Gunther: *See*—
Harris, Dwight E., and Zoehfeld. 203,952.

Zona, Naldo A., to McCormick & Co., Inc. Combined bottle and closure. 205,248, 7–12–66, Cl. D58—8.

Zuckerman, Benjamin, to Mister Hanger, Inc. Garment hanger. 204,175, 3–22–66, Cl. D80—8.

Zuckerman, Benjamin, to Mister Hanger, Inc. Garment hanger. 204,176, 3–22–66, Cl. D80—8.

Zuckerman, Benjamin, to Mister Hanger, Inc. Garment hanger. 206,199, 11–8–66, Cl. D80—8.

Zunter, Ronald A. Supporting stand for a plaque, or the like. 204,140, 3–22–66, Cl. D29—20.

Zunter, Ronald A. Commemorative plaque. 204,141, 3–22–66, Cl. D29—23.

Zurek, James W., to International Harvester Co. Riding mower. 203,454, 1–11–66, Cl. D40—1.

Zurek, James W., to International Harvester Co. Riding mower. 205,042, 6–14–66, Cl. D40—1.

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LIST OF PLANT PATENTEES

Amling-Devor Nurseries, Inc.: *See*—
Lammerts, Walter E. 2,687.
Anderson, Frederic W., to A. Bright. Almond tree. 2,695, 12–27–66, Cl. 30.
Andrea, Frank. Geranium plant. 2,621, 4–19–66, Cl. 68.
Arakaki, Gene Y. Almond tree. 2,641, 6–7–66, Cl. 30.
Armstrong, David L., to Armstrong Nurseries, Inc. Rose plant. 2,585, 1–4–66, Cl. 21.
Armstrong, David L., to Armstrong Nurseries, Inc. Rose plant. 2,697, 12–27–66, Cl. 6.
Armstrong, David L., and H. C. Swim, to Armstrong Nurseries, Inc. Rose plant. 2,653, 7–5–66, Cl. 18.
Armstrong, David L., and H. C. Swim, to Armstrong Nurseries, Inc. Rose plant. 2,654, 7–5–66, Cl. 18.
Armstrong, David L., and H. C. Swim, to Armstrong Nurseries, Inc. Rose plant. 2,688, 12–6–66, Cl. 14.
Armstrong Nurseries, Inc.: *See*—
Armstrong, David L. 2,585.
Armstrong, David L. 2,697.
Armstrong, David L., and Swim. 2,653.
Armstrong, David L., and Swim. 2,654.
Armstrong, David L., and Swim. 2,688.
Chabert, Andre. 2,669.
Lens, Louis. 2,592.
Swim, Herbert C. 2,589.
Swim, Herbert C. 2,668.
Asjes, Evert, Jr. Ash tree. 2,678, 10–11–66, Cl. 51.
Ball, George J., Inc.: *See*—
Dunham, Orville O. 2,643.
Barry, David, Jr. Bougainvillea plant. 2,630, 5–24–66, Cl. 54.
Bennett, Richard, to Furrow & Co., Inc. Azalea plant. 2,596, 2–1–66, Cl. 55.
Boerner, Eugene S. to Jackson & Perkins Co. Rose plant. 2,590, 1–18–66, Cl. 28.
Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 2,594, 2–1–66, Cl. 22.
Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 2,628, 5–3–66, Cl. 25.
Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 2,629, 5–3–66, Cl. 18.
Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 2,634, 5–24–66, Cl. 26.
Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 2,635, 5–24–66, Cl. 27.
Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 2,636, 5–24–66, Cl. 12.
Boerner, Eugene S., to Jackson & Perkins Co. Chrysanthemum plant. 2,637, 5–31–66, Cl. 77.
Boerner, Eugene S., to Jackson & Perkins Co. Chrysanthemum plant. 2,638, 5–31–66, Cl. 78.
Boerner, Eugene S., to Jackson & Perkins Co. Chrysanthemum plant. 2,639, 5–31–66, Cl. 82.
Boerner, Eugene S., to Jackson & Perkins Co. Chrysanthemum plant. 2,640, 5–31–66, Cl. 79.
Boerner, Eugene S., to Jackson & Perkins Co. Rose plant. 2,652, 7–5–66, Cl. 11.
Bradley, Clyde J.: *See*—
Gisler, Paul S., Bradley, and J. Gisler, Jr. 2,610.
Bright, Arthur: *See*—
Anderson, Frederic W. 2,695.
Byrum, Roy L., to Joseph H. Hill Co. Rose plant. 2,626, 4–26–66, Cl. 22.
Byrum, Roy L., to Joseph H. Hill Co. Rose plant. 2,689, 12–6–66, Cl. 17.
Campagne, Thomas A. Plum. 2,674, 10–4–66, Cl. 38.
Canine, Nell E., to Selected Glads, Inc. Gladiolus plant. 2,603, 2–22–66, Cl. 85.
Carson, Gale M.: *See*—
Carson, James H. 2,622.
Carson, James H., to Gale M. Carson. Dogwood tree. 2,622, 4–19–66, Cl. 51.
Chabert, Andre, to Armstrong Nurseries, Inc. Rose plant. 2,669, 9–6–66, Cl. 18.
Cole, David B., to The Cole Nursery Co. Pin oak. 2,662, 8–23–66, Cl. 51.
Cole Nursery Co., The: *See*—
Cole, David B. 2,662.
Columbia & Okanogan Nursery Co., Inc.: *See*—
Snyder, Robert E. 2,650.
Conard-Pyle Co., The: *See*—
Meilland, Marie L. 2,597.
Meilland, Marie L. 2,598.
Meilland, Marie L. 2,625.
Meilland, Marie L. 2,646.
Meilland, Marie L. 2,691.
Meilland, Marie L. 2,692.
Meilland, Marie L. 2,693.
Cooper, Calvin L. Apple tree. 2,606, 3–15–66, Cl. 35.
Duffett, William E., to O. O. Dunham. Chrysanthemum plant. 2,670, 9–6–66, Cl. 78.
Dunham, Orville O.: *See*—
Duffett, William E. 2,670.
Dunham, Orville O., to George J. Ball, Inc. Chrysanthemum plant. 2,643, 6–7–66, Cl. 78.
Ellis, Lura B., to Stark Bro's Nurseries & Orchards Co. Apple tree. 2,608, 3–15–66, Cl. 34.
Fanick, Eddie. Mulberry tree. 2,681, 10–18–66, Cl. 33.
Fischer, Carl H., to Selected Glads, Inc. Gladiolus plant. 2,605, 2–22–66, Cl. 85.
Fischer, Carl H., to Selected Glads, Inc. Gladiolus plant. 2,620, 4–12–66, Cl. 85.
Fischer, Carl H., to Selected Glads, Inc. Gladiolus plant. 2,677, 10–11–66, Cl. 85.
Fischer, Carl H., to Selected Glads, Inc. Gladiolus plant. 2,690, 12–6–66, Cl. 85.
Flemer, William, Jr., to Princeton Nurserymen's Research Associates. Ginkgo tree. 2,675, 10–4–66, Cl. 51.
Flemer, William, III, to Princeton Nurserymen's Research Associates. Hawthorn tree. 2,679, 10–11–66, Cl. 51.
Fortuna Trees: *See*—
Martin, Harold R. 2,588.
Friend of Foster Garden, Inc.: *See*—
Green, Ted. 2,587.
Furrow & Co., Inc.: *See*—
Bennett, Richard. 2,596.
Gaujard, Jean, to Ilgenfritz Nurseries, Inc. Rose plant. 2,586, 1–11–66, Cl. 19.
Germain's, Inc.: *See*—
Whisler, Milton L. 2,593.
Whisler, Milton L. 2,595.
Gisler, Joe, Jr.: *See*—
Gisler, Paul S., Bradley, and J. Gisler, Jr. 2,610.
Gisler, Paul S., C. J. Bradley, and J. Gisler, Jr. Orange tree. 2,610, 3–22–66, Cl. 45.
Green, Ted, to Friend of Foster Garden, Inc. Bougainvillea plant. 2,587, 1–18–66, Cl. 54.
Hauck, Cornelius J. Lilac plant. 2,614, 3–22–66, Cl. 66.
Hemet Wholesale: *See*—
Lindquist, Robert V. 2,627.
Hill, E. G., Co., Inc.: *See*—
Jelly, Robert G. 2,623.
Jelly, Robert G. 2,624.
Hill, Joseph H., Co.: *See*—
Byrum, Roy L. 2,626.
Byrum, Roy L. 2,689.
Howard, Arthur P., to Paul J. Howard Co., Inc. Rose plant. 2,696, 12–27–66, Cl. 19.
Howard, Paul J., Co., Inc.: *See*—
Howard, Arthur P. 2,696.
Ilgenfritz Nurseries, Inc.: *See*—
Gaujard, Jean. 2,586.
Inter-State Nurseries, Inc.: *See*—
Porter, Albert J. 2,667.
Jackson & Perkins Co.: *See*—
Boerner, Eugene S. 2,590.
Boerner, Eugene S. 2,594.
Boerner, Eugene S. 2,628.
Boerner, Eugene S. 2,629.
Boerner, Eugene S. 2,634.
Boerner, Eugene S. 2,635.
Boerner, Eugene S. 2,636.
Boerner, Eugene S. 2,637.
Boerner, Eugene S. 2,638.
Boerner, Eugene S. 2,639.
Boerner, Eugene S. 2,640.
Boerner, Eugene S. 2,652.
Kordes, Reimer. 2,651.
Morey, Dennison H., Jr. 2,645.
Verschuren, Hendrikus A. M. 2,609.
Zombory, William, and S. B. 2,631.
Zombory, William, and S. B. 2,632.
Zombory, William, and S. B. 2,633.
James, George. Pecan tree. 2,607, 3–15–66, Cl. 31.
Jelly, Robert G., to E. G. Hill Co., Inc. Rose plant. 2,623, 4–26–66, Cl. 29.
Jelly, Robert G., to E. G. Hill Co., Inc. Rose plant. 2,624, 4–26–66, Cl. 14.
Johnson, Harold A., Jr., and H. E. Thomas, to The Strawberry Institute of California. Strawberry plant. 2,611, 3–22–66, Cl. 49.
Johnson, Harold A., Jr., and H. E. Thomas, to The Strawberry Institute of California. Strawberry plant. 2,612, 3–22–66, Cl. 49.
Johnson, Harold A., Jr., and H. E. Thomas, to The Strawberry Institute of California. Strawberry plant. 2,613, 3–22–66, Cl. 49.
Kerrigan, Howard W. Azalea plant. 2,647, 6–28–66, Cl. 57.
Kircher, George C. Peach tree. 2,671, 9–13–66, Cl. 42.

Kordes, Reimer, to Jackson & Perkins Co. Rose plant. 2,651, 7–5–66, Cl. 16.
Lammerts, Walter E., to Amling-Devor Nurseries, Inc. Rose plant. 2,687, 11–29–66, Cl. 11.
Larus, Charles T.: *See*—
Larus, John R. and C. T. 2,604.
Larus, John R. and C. T., to Selected Glads, Inc. Gladiolus plant. 2,604, 2–22–66, Cl. 85.
Lecoufle, Maurice, and M. Vacherot, to Vacherot & Lecoufle. Orchid plant. 2,658, 7–12–66, Cl. 68.
Lecoufle, Maurice, and M. Vacherot, to Vacherot & Lecoufle. Orchid plant. 2,659, 7–12–66, Cl. 68.
Lee, Walter, to Monrovia Nursery Co. Raphiolepis plant. 2,644, 6–7–66, Cl. 54.
Le Grice, Edward B. Rosa floribunda plant. 2,673, 9–27–66, Cl. 24.
Lens, Louis, to Armstrong Nurseries, Inc. Rose plant. 2,592, 2–1–66, Cl. 14.
Lens, Louis, ½ to McHutchison & Co., Inc., and ½ to San Lorenzo Nursery Co. Rose plant. 2,657, 7–12–66, Cl. 20.
Lindquist, Robert V., to Hemet Wholesale. Rose plant. 2,627, 4–26–66, Cl. 20.
MacBeth, Alastair R., to Select Nurseries. Loquat tree. 2,591, 2–1–66, Cl. 33.
Martin, Harold R., to Fortuna Trees. Peach tree. 2,588, 1–18–65, Cl. 43.
McGill, A., & Son: *See*—
McIntyre, John. 2,680.
McGill, Wayne E.: *See*—
McIntyre, John. 2,680.
McHutchison & Co., Inc.: *See*—
Lens, Louis. 2,657.
McIntyre, John, to W. E. McGill, d.b.a. A. McGill & Son. Honeylocust tree. 2,680, 10–11–66, Cl. 52.
Meilland, Marie L., to The Conard-Pyle Co. Rose plant. 2,597, 2–1–66, Cl. 20.
Meilland, Marie L., to The Conard-Pyle Co. Rose plant. 2,598, 2–1–66, Cl. 20.
Meilland, Marie L., to The Conard-Pyle Co. Rose plant. 2,625, 4–26–66, Cl. 20.
Meilland, Marie L., to The Conard-Pyle Co. Rose plant, 2,646, 6–21–66, Cl. 10.
Meilland, Marie L., to The Conard-Pyle Co. Rose plant. 2,691, 12–13–66, Cl. 18.
Meilland, Marie L., to The Conard-Pyle Co. Rose plant. 2,692, 12–13–66, Cl. 21.
Meilland, Marie L., to The Conard-Pyle Co. Rose plant. 2,693, 12–13–66, Cl. 21.
Merrill, Grant. Peach tree. 2,601, 2–8–66, Cl. 43.
Merrill, Grant. Peach tree. 2,676, 10–11–66, Cl. 43.
Merrill, Grant. Peach tree. 2,694, 12–27–66, Cl. 43.
Monrovia Nursery Co.: *See*—
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Moore, Ralph S. 2,685.
Moore, Ralph S. Rose plant. 2,682, 11–1–66, Cl. 7.
Moore, Ralph S. Rose plant. 2,683, 11–1–66, Cl. 8.
Moore, Ralph S., to Monrovia Nursery Co. Thuja plant. 2,685, 11–8–66, Cl. 50.
Morey, Dennison H., Jr., to Jackson & Perkins Co. Rose plant. 2,645, 6–21–66, Cl. 20.
Motzkau, Henry W., to Yoder Bros., Inc. Azalea plant. 2,672, 9–27–66, Cl. 57.
Oku, Leonard K. Carnation. 2,660, 8–2–66, Cl. 70.
Palmer, Corwin. Peach tree. 2,665, 8–23–66, Cl. 42.
Patterson, John W. Rose. 2,661, 8–2–66, Cl. 22.
Perkins, Dana H. Carnation plant. 2,686, 11–22–66, Cl. 70.
Porter, Albert J., to Inter-State Nurseries, Inc. Crab apple tree. 2,667, 9–6–66, Cl. 34.
Princeton Nurserymen's Research Associates: *See*—
Flemer, William, Jr. 2,675.
Flemer, William, III. 2,679.
San Lorenzo Nursery Co.: *See*—
Lens, Louis. 2,657.
Saratoga Horticultural Foundation: *See*—
Van Rensselaer, Maunsell. 2,617.
Select Nurseries: *See*—
MacBeth, Alastair R. 2,591.
Selected Glads, Inc.: *See*—
Canine, Neil E. 2,603.
Fischer, Carl H. 2,605.
Fischer, Carl H. 2,620.
Fischer, Carl H. 2,677.
Fischer, Carl H. 2,690.
Larus, John R. and C. T. 2,604.
Slayman, Mitchell J. Pomegranate tree. 2,618, 4–5–66, Cl. 33.
Snyder, Robert E., to Columbia & Okanogan Nursery Co., Inc. Apple tree. 2,650, 7–5–66, Cl. 34.
Stark Bro's Nurseries & Orchards Co.: *See*—
Ellis, Lura B. 2,608.
Strawberry Institute of California, The: *See*—
Johnson, Harold A., Jr., and Thomas. 2,611.
Johnson, Harold A., Jr., and Thomas. 2,612.
Johnson, Harold A., Jr., and Thomas. 2,613.
Sumruld, Roy L. Plum tree. 2,619, 4–12–66, Cl. 38.
Swim, Herbert C.: *See*—
Armstrong, David L., and Swim. 2,653.
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LIST OF DISCLAIMERS AND DEDICATIONS

Albert, Harry E., Lafayette Hill, Pa. Disclaimer filed May 11, 1966, by the assignee, The Firestone Tire & Rubber Company. No. 3,019,211; v. 830; p. 880.

Alderson, Ross C., Minneapolis, Minn., and Benjamin Carpenter, deceased, Lake Forest, Ill., by Walter T. Fisher, executor, Chicago, Ill. Disclaimer filed Apr. 8, 1966, by the assignee, Honeywell Inc. No. 2,993,664; v. 828; p. 378.

Allen, Alford E., Liverpool, N.Y. Disclaimer filed Mar. 31, 1966, by the assignee, General Electric Company. No. 3,117,258; v. 826; p. 2.

Altwicker, Elmar R., Dayton, and Alfred B. Garrett, Columbus, Ohio, Earl A. Wellmuenster, Kenmore, N.Y., and Samuel W. Harris, Oxford, Ohio. Disclaimer filed Oct. 11, 1966, by the inventors; the assignee, Olin Mathieson Chemical Corporation, assenting. No 2,999,117; v. 832; p. 893.

Altwicker, Elmar R., Dayton, and Alfred B. Garrett, Columbus, Ohio, Earl A. Wellmuenster, Kenmore, N.Y., and Samuel W. Harris, Oxford, Ohio. Disclaimer filed Oct. 11, 1966, by the inventors; the assignee, Olin Mathieson Chemical Corporation, assenting. No. 3,038,012; v. 832; p. 893.

Anderson, Gordon R., and James K. Gibbs, Beloit, Wis. Disclaimer filed Jan. 3, 1966, by the assignee, The Imperial Electric Company. No. 2,551,521; v. 826; p. 1059.

Andrus, Joseph M., Evanston, Ill. Disclaimer filed Apr. 13, 1966, by the assignee, Kaiser Aluminum & Chemical Corporation. No. 2,991,234; v. 826; p. 1059.

Angold, John A., Topeka, Kans. Disclaimer filed Nov. 26, 1965, by the assignee, Keystone Railway Equipment Company. No. 3,186,562; v. 826; p. 372.

Arutunoff, Armais, Bartlesville, Okla. Dedication filed June 23, 1966, by the assignee, Byron Jackson Pumps, Inc. No. 2,775,945; v. 830; p. 442.

Arutunoff, Armais, Bartlesville, Okla. Dedication filed June 23, 1966, by the assignee, Byron Jackson Pumps, Inc. No. 2,783,400; v. 830; p. 442.

Bauer, Albert W., Wilmington, Del. Disclaimer filed June 22, 1966, by the assignee, E. I. du Pont de Nemours & Company. No. 3,183,192; v. 831; p. 436.

Bentsen, Arthur R., Liverpool, N.Y. Disclaimer filed June 1, 1966, by the assignee, General Electric Company. Des. No. 198,185; v. 830; p. 442.

Bentsen, Arthur R., Liverpool, N.Y. Disclaimer filed June 1, 1966, by the assignee, General Electric Company. No. 3,167,314; v. 830; p. 443.

Bertin, Jean Henri, Neuilly-sur-Seine, France. Disclaimer filed Aug. 2, 1966, by the assignee, Societe Bertin & Cie. No. 3,263,764; v. 831; p. 437.

Biddison, John M., Dayton, Ohio. Disclaimer filed June 3, 1966, by the assignee, Harry W. Moore. No. 2,670,145; v. 830; p. 442.

Bird, Ralph C., Jr., Lansing, Mich. Disclaimer filed May 2, 1966, by the assignee, General Motors Corporation. No. 2,845,912; v. 829; p. 1307.

Birtwell, William Clifford, North Scituate, R.I. Disclaimer filed Dec. 8, 1965, by the assignee, Davol Rubber Company. No. 3,044,468; v. 826; p. 372.

Boggs, Le Roy R., Bristol, Tenn. Disclaimer filed June 3, 1966, by the assignee, Universal Moulded Fiber Glass Corp. No. 3,241,701; v. 830; p. 443.

Borden, Jay R., La Canada, Calif. Disclaimer filed Mar. 24, 1966, by the assignee, Borg-Warner Corporation. No. 3,178,624; v. 827; p. 656.

Botterill, John Redvers, Solihull, England. Disclaimer filed Oct. 10, 1966, by the assignee Girling Limited. No. 3,113,643; v. 832; p. 1786.

Bowers, Albert, and John Edwards, Mexico City, Mexico, and John Zderic, Palo Alto, Calif. Disclaimer filed Jan. 24, 1966, by the inventors; the assignee, Syntex Corporation, assenting. No. 3,128,269; v. 826; p. 1059.

Brand, George W., and Philip Hartmann, Racine, Wis. Disclaimer filed July 25, 1966, by the inventors and the assignee, Hartmann Manufacturing Company. No. 3,264,944; v. 831; p. 437.

Bretting, Jork, Ulm (Danube), and Hans-Jurgen Griem, Ehrenstein, Germany. Disclaimer filed May 6, 1966, by the assignee, Telefunken Patentverwertungs G.m.b.H. No. 3,188,533; v. 830; p. 443.

Budde, Nan Guthrie, Teaneck, N.J. Disclaimer filed Nov. 1, 1965, by the assignee, Polaroid Corporation. No. 3,103,866; v. 826; p. 372.

Bulgrin, Walter W., Akron, Ohio, and Gordon C. J. Parent, Southgate, Mich. Disclaimer filed Apr. 26, 1966, by the assignee, The Firestone Tire & Rubber Company. No. 3,195,491; v. 828; p. 378.

Busch, Lee S., George W. Bauer, and Paul E. Moorhead, Warren, Ohio. Disclaimer filed July 13, 1966, by the assignee, National Distillers & Chemical Corporation. No. 2,864,697; v. 829; p. 1307.

Buss, Edward J., Guy Russell Fansher, John H. Groves, and George E. O'Donald, Freeport, Ill. Disclaimer filed Jan. 3, 1966, by the assignee, The Imperial Electric Company. No. 2,956,189; v. 826; p. 1059.

Bray, Donald L., Beverly, and Donald B. Johnson, Georgetown, Mass. Disclaimer filed Nov. 12, 1965, by the assignee, United Shoe Machinery Corporation. No. 3,061,852; v. 826; p. 1.

Cauley, Thomas K., West Mifflin Boro, Pa., and James I. Maher, La Verne, Calif. Disclaimer filed July 13, 1966, by the assignee, United States Steel Corporation. No. 3,253,945; v. 831; p. 436.

Chope, Henry R., Columbus, Ohio. Dedication filed Feb. 1, 1966, by the assignee, Industrial Nucleonics Corporation. No. 2,829,268; v. 825; p. 811.

Chupungco, Estanislao J., Jr., Joaquin A. Quintos III, and William S. Godinez, Toledo City, Cebu, Philippines. Disclaimer filed Mar. 31, 1966, by the assignee, Ansor Corporation. No. 3,228,765; v. 826; p. 372.

Collins, George H., Lynn, Mass. Disclaimer filed Nov. 12, 1965, by the assignee, United Shoe Machinery Corporation. No. 2,489,453; v. 826; p. 1.

Cook, Paul M., Atherton, and Richard W. Muchmore, Redwood City, Calif. Disclaimer filed June 24, 1966, by the assignee, Raychem Corporation. No. 3,086,242; v. 830; p. 442.

Dalton, Oliver, and Robert G. Rullman, Beaverton, Oreg. Disclaimer filed May 11, 1966, by the assignee, Tektronix, Inc. No. 3,138,764; v. 829; p. 1307.

Darwin, Daniel P., Endicott, and Donald K. Rex and Robert M. Kellogg, Binghamton, N.Y. Disclaimer filed Jan. 10, 1966, by the assignee, International Business Machines Corporation. No. 3,107,346; v. 826; p. 1059.

Davis, Frank A., Flat Rock, and Herold H. Losche, Greenwood, Ind. Disclaimer filed Nov. 1, 1966, by the inventors. No. 3,003,044; v. 833; p. 2.

Dewey, Davis R., II, Lincoln, Mass. Disclaimer filed Nov. 15, 1966, by the assignee, Electronized Chemicals Corporation. No. 2,858,442; v. 833; p. 1338.

De Winter, Francis, Cambridge, Mass. Disclaimer filed Oct. 21, 1966, by the inventor and assignee, Dynatech Corporation. No. 3,266,307; v. 832; p. 1786.

Dimond, Thomas L., Rutherford, and Harold M. Pruden, Maplewood, N.J., and Calvin O. Vogt, Augusta, Ga. Disclaimer filed June 30, 1966, by the assignee, Bell Telephone Laboratories, Incorporated. No. 2,996,704; v. 830; p. 442.

Doctor, Bernard H., Cincinnati, and James V. O'Bryan, Springdale, Ohio. Disclaimer filed July 22, 1966, by the assignee, Avco Corporation. No. 3,015,950; v. 832; p. 3.

Dow, Douglas, Detroit, Mich. Disclaimer filed Dec. 17, 1965, by the inventor. No. 3,190,387; v. 823; p. 411.

Doyle, Collin M., Chicago, and Martin J. Costello, Burnham, Ill. Disclaimer filed Oct. 7, 1965, by the assignee, Dresser Industries, Inc. 3,050,238; v. 825; p. 4.

Drugmand, Lester D., and Joseph McOrily, Pittsburgh, Pa. Disclaimer filed Feb. 23, 1966, by the assignee, Edwin L. Wiegand Company. No. 2,899,666; v. 826; p. 1393.

Fender, Clarence L., Fullerton, Calif. Disclaimer filed Jan. 3, 1966, by the assignee, Columbia Records Distribution Corp. Des. No. 187,001; v. 826; p. 1059.

Fox, Benjamin, Philadelphia, Pa. Disclaimer filed Feb. 28, 1966, by the assignee, Elco Corporation. No. 2,828,474; v. 826; p. 1393.

Fox, Benjamin, Wyncote, Pa. Disclaimer filed Feb. 28, 1966, by the assignee, Elco Corporation. No. 3,149,894; v. 826; p. 1394.

Fox, Benjamin, Wyncote, Pa. Disclaimer filed Feb. 28, 1966, by the assignee, Elco Corporation, No. 3,181,101; v. 826; p. 1394.

Freeman, Howard G., Worcester, and Oscar R. Vaudreuil, Leicester, Mass. Disclaimer filed Nov. 29, 1965, by the assignee, Jamesbury Corporation. No. 2,945,666, v. 822; p. 2.

Gilbride, Andrew J., Swampscott, Mass. Disclaimer filed Nov. 12, 1965, by the assignee, United Shoe Machinery Corporation. No. 2,986,753; v. 826; p. 1.

Grossman, Jerome H., Bangor, Maine. Disclaimer and dedication filed Sept. 20, 1965, by the inventor and assignee, Penobscot Shoe Company. No. 3,036,390; v. 823; p. 411.

Herrick, George H., Beloit, Wis. Disclaimer filed Jan. 3, 1966, by the assignee, The Imperial Electric Company. No. 2,724,067; v. 826; p. 1059.

Hochberg, Seymore, Upper Darby, Pa. Dedication filed Feb. 11, 1966, by the inventor; the assignee, E. I. du Pont de Nemours & Company, consenting. No. 2,511,797; v. 824; p. 1199.

Hoffman, Lewis C., Scotch Plains, N.J. Disclaimer filed Aug. 12, 1966, by the inventor and the assignee, E. I. du Pont de Nemours and Company. No. 2,911,312; v. 833; p. 897.

Hornung, Stephen Anthony, New York, N.Y. Disclaimer filed Jan. 28, 1966, by the assignee, Otis Elevator Company. No. 2,926,756; v. 826; p. 1059.

Hostettler, Fritz, and Eugene F. Cox, Charleston, W. Va. Disclaimer filed Jan. 18, 1966, by the inventors; the assignee, Union Carbide Corporation, assenting. No. 3,240,730; v. 826; p. 1059.

Inoue, Kiyoshi, Tokyo, Japan. Disclaimer filed Nov. 19, 1965, by the inventor. No. 3,098,151; v. 826; p. 372.

Jablonski, Eugene, Baltimore, and John A. Redmond, Ellicott City, Md. Disclaimer filed Nov. 15, 1965, by the assignee, Westinghouse Electric Corporation. No. 3,211,881; v. 826; p. 372.

Jache, Otto, Budingen, Upper Hesse, Germany. Disclaimer filed July 21, 1966, by the assignee, Accumulatorenfabrik Sonnenschein G.m.b.H. No. 3,177,096; v. 831; p. 436.

Joline, Everett S., Huntington Station, and Robert C. Sauer, Rosedale, N.Y. Disclaimer filed Oct. 21, 1965, by the assignee, Sperry Rand Corporation. No. 3,077,557; v. 825; p. 811.

Jones, Eldon M., Ann Arbor, Mich. Disclaimer filed June 2, 1966, by the assignee, Parke, Davis & Company. No. 3,144,387; v. 830; p. 442.

Joris, George G., Madison, N.J. Disclaimer filed Mar. 10, 1966, by the assignee, Allied Chemical Corporation. No. 2,681,936; v. 827; p. 656.

Kamborian, Jacob S., West Newton, Mass. Disclaimer filed June 17, 1966, by the inventor. No. 3,130,430; v. 830; p. 442.

Kamborian, Jacob S., West Newton, and Henry v. d. Benken, West Roxbury, Mass. Disclaimer filed Aug. 16, 1966, by the assignee, Jacob S. Kamborian. No. 3,189,924; v. 833; p. 897.

Kampf, Richard S., Denver, Colo. Disclaimer filed Feb. 28, 1966, by the assignee, Honeywell Inc. No. 3,066,299; v. 825; p. 4.

Kampf, Richard S., Denver, Colo. Disclaimer filed Apr. 28, 1966, by the assignee, Honeywell Inc. No. 3,066,299; v. 828; p. 378.

Kauffman, Ivan L., Orchard Lake, and Donald S. Annett, Farmington, Mich. Disclaimer filed Aug. 11, 1966, by the inventors and the assignee, Ex-Cell-O Corporation. No. 3,085,480; v. 832; p. 1785.

Kauffman, Ivan L., Orchard Lake, and Donald S. Annett, Farmington, Mich. Disclaimer filed Aug. 11, 1966, by the inventors and the assignee, Ex-Cell-O Corporation. No. 3,122,070; v. 832; p. 1786.

Klovers, Ervin J., Milwaukee, and Heinz W. Winter, Wauwatosa, Wis. Dedication filed Jan. 24, 1966, by the assignee, Allis-Chalmers Manufacturing Company. No. 3,242,888; v. 827; p. 1.

Klygis, Mindaugas J., Chicago, Ill. Disclaimer filed Apr. 6, 1966, by the assignee, Continental Can Company, Inc. No. 3,206,085; v. 828; p. 754.

Kobbe, John R., and William J. Polits, Beaverton, Oreg. Disclaimer filed Feb. 21, 1966, by the assignee, Tektronix, Inc. No. 2,930,986; v. 826; p. 1393.

Kretzmer, Ernest R., New Providence, N.J. Disclaimer filed Feb. 2, 1966, by the assignee, Bell Telephone Laboratories, Incorporated. No. 3,098,996; v. 827; p. 656.

Kuebrich, Herbert P., Wickliffe, and Melvin L. Stone, East Cleveland, Ohio. Disclaimer filed May 4, 1966, by the assignee, General Electric Company. No. 3,068,337; v. 827; p. 336.

Lowrie, Harman S., Glenview, Ill. Disclaimer filed Aug. 30, 1966, by the assignee, G. D. Searle & Co. No. 3,239,524; v. 832; p. 1786.

Lowther, Robert Ramsey, Hayes, and Peter Laurence Sell, West Drayton, England. Disclaimer filed Feb. 24, 1966, by the assignee, Electric & Musical Industries Limited. No. 3,086,154; v. 827; p. 656.

MacPherson, Donald H., New Shrewsbury, N.J. Disclaimer filed Feb. 1, 1966, by the assignee, Bell Telephone Laboratories, Incorporated. No. 3,011,156; v. 826; p. 1394.

Marans, Nelson S., and Razmic S. Gregorian, Silver Spring, Md. Disclaimer filed Sept. 17, 1965, by the assignee, W. R. Grace & Co. No. 3,226,454; v. 823; p. 411.

Mauduit, André, Conflans-Sainte-Honorine, France. Disclaimer filed Nov. 29, 1965, by the assignee, Societe Industrielle Bull-General Electric. No. 3,064,561; v. 822; p. 2.

McKew, Marshall, Schodack Center, and Francis L. McKone, Albany, N.Y. Dedication filed Aug. 23, 1966, by the assignees, Huyck Corporation and Appleton Mills. No. 3,230,599; v. 832; p. 2.

Mers, Max, Seattle, Wash. Disclaimer filed Oct. 14, 1965, by the assignee, Omark Industries, Inc. No. 2,632,484; v. 825; p. 4.

Meyers, George L., Menasha, Wis. Disclaimer filed Sept. 29, 1966, by the assignee, American Can Company. No. 3,191,848; v. 833; p. 897.

Mizelle, Ned W., High Point, N.C. Disclaimer and dedication filed Aug. 9, 1966, by the assignee, General Steel Products, Inc. No. 3,128,122; v. 832; p. 1785.

Morgan, John E., Tamaqua, Pa. Disclaimer filed July 20, 1966, by the assignee, J. E. Morgan Knitting Mills, Inc. No. 2,839,909; v. 829; p. 1307.

Muir, Robert D., Deerfield, and Raymond M. Dodson, Park Ridge, Ill. Disclaimer filed Oct. 21, 1965, by the assignee, G. D. Searle & Co. No. 2,823,170; v. 825; p. 4.

Needham, Ernest Frederick, Highcliffe, England. Disclaimer filed Oct. 5, 1965, by the assignee, Hovercraft Development Limited. No. 3,204,932; v. 825; p. 4.

Olshausen, Richard, Sunset Beach, Calif. Disclaimer filed Jan. 7, 1966, by the assignee, North American Aviation, Inc. No. 3,215,374; v. 826; p. 1059.

Orr, James C., and Albert Bowers, Mexico City, Mexico. Disclaimer filed Feb. 4, 1966, by the inventors; the assignee, Syntex Corporation, assenting. No. 3,032,551; v. 827; p. 2.

Pall, David B., Roslyn Heights, N.Y. Dedication filed Feb. 17, 1966, by the assignee, Pall Corporation. No. 3,007,334; v. 826; p. 1394.

Parent, Gordon C. J., Southgate, and Karl Luther, Lathrup Village, Mich., and Walter W. Bulgrin and Meredith H. MacKusick, Akron, Ohio. Disclaimer filed Apr. 26, 1966, by the assignee, The Firestone Tire & Rubber Company. No. 3,222,765; v. 828; p. 754.

Parker, James R., Bossier City, La., and Maurice G. Brazzil, Houston, Tex. Disclaimer and dedication filed Jan. 18, 1966, by the inventors and the assignee, Brown Engineering Corporation. Re. No. 24,441; v. 827; p. 1.

Pavlak, Walter A., Newark, N.J. Disclaimer filed Aug. 23, 1966, by the assignee, William Ward Jackson; the inventor assenting. No. 3,066,200; v. 831; p. 1.

Perry, Joseph A., Jr., Cedar Rapids, Iowa. Disclaimer filed Sept. 12, 1966, by the assignee, Cherry-Burrell Corporation. No. 3,161,051; v. 831; p. 1327.

Peterson, Richard H., Oak Lawn, and William H. Hass, Elmwood Park, Ill. Disclaimer filed July 18, 1966, by the inventors. No. 3,250,846; v. 829; p. 1307.

Reinert, Raymond L., South Elgin, and Carl T. Fliss, Glen Ellyn, Ill. Disclaimer filed July 18, 1966, by the assignee, General Electric Company. No. 3,241,545; v. 831; p. 436.

Robinson, Charles F., Pasadena, and John H. Jacobs, Altadena, Calif. Disclaimer filed Oct. 7, 1965, by the assignee, Consolidated Electrodynamics Corporation. No. 3,230,089; v. 825; p. 4.

Rockwell, Adelbert W., Jr., Beverly, Mass. Disclaimer filed Nov. 3, 1965, by the assignee, United Shoe Machinery Corporation. No. 3,096,531; v. 826; p. 1.

Rosenfeld, Aaron, Jackson Heights, and Kenneth Kupferberg, Flushing, N.Y. Disclaimer filed Nov. 12, 1965, by the assignee, Forbro Design Inc. No. 3,028,538; v. 824; p. 1605.

Schmidt, Kurt, Cleveland Heights, Ohio. Disclaimer filed June 24, 1966, by the inventor; the assignee, General Electric Company, consenting. No. 3,248,590; v. 829; p. 444.

Schreyer, Ralph Courtenay, Wilmington, Del. Disclaimer filed May 19, 1966, by the inventor; the assignee, E. I. du Pont de Nemours and Company, concurring. No. 2,962,451; v. 831; p. 1327.

Schrimpf, Henry W., Waltham, Mass. Disclaimer filed Nov. 16, 1966, by the assignee, Honeywell Inc. No. 3,029,414; v. 833; p. 1338.

Schur, Milton O., Asheville, N.C. Disclaimer filed Dec. 27, 1965, by the assignee, Olin Mathieson Chemical Corporation. No. 3,088,359; v. 826; p. 372.

Schweitzer, Earl O., Wickliffe, Ohio. Disclaimer filed Dec. 30, 1965, by the assignee, Crane Co. No. 3,132,472; v. 826; p. 372.

Skarstrom, Charles W., Montvale, N.J. Disclaimer filed Feb. 24, 1966, by the assignee, Esso Research and Engineering Company. No. 2,944,627; v. 826; p. 1394.

Skegg, Leonard T., Berea, Ohio. Disclaimer and dedication filed Mar. 24, 1966, by the assignee, Technicon Instruments Corporation. No. 2,879,141; v. 826; p. 2.

Souza, David W., Oakland, Calif. Disclaimer filed Apr. 6, 1966, by the assignee, Dymo Industries, Inc. No. 2,996,822; v. 829; p. 1307.

Spira, Joel S., New York, N.Y. Disclaimer filed May 18, 1966, by the inventor. No. 3,061,744; v. 829; p. 1307.

Strain, Douglas C., Portland, and Lawrence B. Rockwood, Oswego, Oreg. Disclaimer filed Feb. 9, 1966, by the assignee, Electro Scientific Industries, Inc. No. 2,884,505; v. 286; p. 1393.

Strandquist, Ernst Clementz, Trelleborg, Sweden. Disclaimer filed Nov. 17, 1966, by the assignee, Trelleborgs Gummifabriks Aktiebolag. No. 3,083,130; v. 833; p. 1338.

Switzer, Joseph L., Gates Mills, Ohio, and Donald W. Parker, Jr., Park Ridge, Ill. Dedication filed June 27, 1966, by the assignee, Switzer Brothers, Inc. No. 2,920,203; v. 830; p. 442.

Switzer, Robert L. Long Beach, William C. Lieffers, Garden Grove, and Cylde H. O. Berg, Long Beach, Calif. Disclaimer filed Jan. 11, 1966, by the inventors; the assignee, Union Oil Company of California, consenting. No. 3,104,947; v. 825; p. 811.

Szabo, Karoly, Yonkers, N.Y., and John G. Brady, and Thomas Bruce Williamson, Santa Clara, Calif. Disclaimer filed May 12, 1966, by the assignee, Stauffer Chemical Company. No. 2,988,474; v. 831; p. 1.

Taylor, Raymond G., Jr., Santa Monica, Calif. Disclaimer filed June 9, 1966, by the assignee, Byron Jackson Inc. No. 3,140,523; v. 830; p. 442.

Thiem, Darold W., Elm Grove, and Gordon W. Gottschalk, Hales Corners, Wis. Disclaimer filed June 22, 1966, by the assignee, Universal Refractories Corporation. No. 3,110,942; v. 832; p. 893.

Thiemann, Francis V., Levittown, N.Y. Disclaimer filed Aug. 1, 1966, by the assignee, Potter Instrument Company, Inc. No. 3,128,693; v. 831; p. 1.

Thomas, John B., Plainsboro, N.J., and Howard T. Williams and John W. Drenning, Baltimore, Md. Disclaimer filed Mar. 3, 1966, by the assignee, Koppers Company, Inc. No. 2,961,577; v. 827; p. 656.

Thorsheim, Joseph O., Minneapolis, Minn. Disclaimer filed June 7, 1966, by the assignee, Honeywell Inc. No. 3,106,494; v. 831; p. 1327.

Tillisch, Paul W., Antioch, and Albert F. Raffaelli, Concord, Calif. Disclaimer filed Oct. 12, 1966, by the assignee, Kaiser Gypsum Company, Inc. No. 3,180,058; v. 833; p. 2.

Vakaleris, Demetrius G., East Islip, N.Y. Disclaimer filed Apr. 13, 1966, by the assignee, National Dairy Products Corporation. No. 3,039,879; v. 826; p. 1059.

Wadsworth, Paul W., Massapequa Park, N.Y. Disclaimer filed Sept. 28, 1966, by the assignee, Bell Telephone Laboratories, Incorporated. No. 3,248,486; v. 833; p. 897.

Walsh, Edward C., Los Angeles, Calif. Disclaimer filed Aug. 24, 1966, by the inventor. No. 3,160,345; v. 831; p. 436.

Wang, An, and Ge Yao Chu, Lincoln, Mass. Disclaimer filed Dec. 27, 1965, by the assignee, Wang Laboratories, Inc. No. 3,015,806; v. 826; p. 372.

Webster, Alfred Bentley, Wallasey, Norman James Herbert Small, Christelton, near Chester, and Richard Rigby, Wirral, England. Disclaimer filed Dec. 20, 1965, by the assignee, Shell Oil Company. No. 3,163,593; v. 826; p. 2.

Weigert, Frank R., Warwick, R.I. Dedication filed Sept. 1, 1966, by the assignee, William R. Hulbert, trustee for United Elastic Corporation and Carr-Fulflex, Incorporated. No. 3,119,622; v. 833; p. 1338.

Wilson, Louis D., and Stanley M. Oster, Philadelphia, Pa., and Thomas Ash, Mount Holly, N.J. Disclaimer filed Jan. 3, 1966, by the assignee, Sperry Rand Corporation. No. 2,868,340; v. 826; p. 1059.

Wingard, Henry S., Cranford, N.J. Disclaimer filed June 30, 1966, by the assignee, Federal Pacific Electric Company. No. 3,209,098; v. 830; p. 443.

Workman, Lawrence H., Muskegon, Mich. Disclaimer filed May 2, 1966, by the assignee, Gardner-Denver Company. No. 3,213,758; v. 829; p. 1307.

Young, Bernard W., Waco, Tex. Disclaimer filed Mar. 29, 1966, by the assignee, Raymond T. Young. No. 3,128,997; v. 828; p. 1.

Zybach, Frank L., Strasburg, Colo. Disclaimer filed Sept. 15, 1965, by the inventor and assignee, Albert E. Trowbridge. No. 2,941,727; v. 822; p. 385.

1966
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Appeal No. 315—40. Decided Feb. 23, 1965. 833 O.G. 474.

Appeal No. 437—63. Decided Oct. 14, 1965. 833 O.G. 469.

Appeal No. 470—27. Decided Mar. 29, 1966. 833 O.G. 476.

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Application Papers Fled Nov. 12, 1965, In re. 833 O.G. 903.

Application Papers Filed Dec. 13, 1965, In re. 833 O.G. 907.

Application Papers Filed May 13, 1966, In re. 833 O.G. 480.

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ERRATUM

Duplicate patent numbers appear in some of the cross-reference classification subclass listings, particularly in Class 260. They were detected too late in the publication process to be economically removed. The presence of duplicates in one sub-class should not be considered to indicate that a listing of the patent has been omitted from another subclass in which the patent has been properly classified as a cross-reference.

NOTES CONCERNING USE OF THE CLASSIFICATION OF PATENTS LISTING AND RELATED REFERENCE PUBLICATIONS

In the index which follows, the subject of invention of each patent issued during 1966 is identified by the class and subclass numbers of the official U.S. Patent Office classification in which the patent was classified at the time of issue. The Index is arranged in numerical order by class numbers, which appear as bold-face entries centered in the columns, and thereunder, in similar order, by subclasses which appear in the numerals in the left hand half of the columns. There are 68,584 patent and reissue patent numbers listed in the Index. A similar listing appears for design patents and plant patents which are separately shown under their respective classifications.

In order to find patent numbers in the Index pertaining to a particular subject, the user must first know the class and subclass in which the Patent Office assigns inventions relating to that subject. In some instances a number of classes and subclasses may be pertinent. The process of finding this information requires the coordinated use of several other Patent Office publications usually found in collections which contain the *Index of Patents*. Each of them is considered below.

Manual of Classification: This publication is the source of the needed information as it contains the entire classification schedule showing the number and descriptive title of every class and subclass. It is, also, the key aid in the finding system as it provides a number of features aimed at assisting the user to identify his search problem and to use its content in locating the specific classification representing the subject matter of concern to him. These features include (1) listings of the class titles in alphabetical order; (2) description of the plan of the Manual; (3) discussion of the basis of classification, the scope of the classes, and the schematic arrangement of subclasses; (4) instructions on reading subclass titles and definitions; and, (5) suggestions on procedure for finding pertinent classification.

Index to Classification: This publication contains more than 300 pages of subject matter headings showing for each heading the class and subclass to which it pertains. They are arranged in alphabetical order in main heading and subheading categories, the latter being indented under the main headings and sometimes further subdivided. The headings include key words and significant phrases taken from the class and subclass titles, but they are neither limited to this source nor include all of them. Many technical as well as common terms of reference to objects, arts, processes, compositions of matter, etc., not found in the classification schedule are included in the index headings so as to offer a practical and convenient aid to finding patented subject matter.

Classification Bulletins: This is a series of numbered publications which supplements the *Manual of Classification* by giving detailed definitions and illustration of the kind of subject matter that can be found in each class and subclass, describing the lines of distinction among them, and containing references to other classes and subclasses having related subject matter. There is a separate Bulletin for each major classification, which is identified in the heading to each class in the Manual.

Use of Reference Publications

As a first step, the searcher should look in the *Index to Classification* for the term which to him best represents the subject matter of interest. If a match is not

found, he should look for terms of approximately the same meaning, for terms of either broader or narrower scope, or for terms which represent a different approach to the subject (e.g., the essential *function* or the *effect* of use or application of the art or object of concern). This requires that the user interact with the content of the Index, exercising judgment and imagination to consider alternatives or to find in the listed items some aspect of pertinency to his subject.

On finding the identifying numbers of possibly pertinent classes and subclasses in the Index, the user should refer to the *Manual of Classification* and ascertain from among the existing choices, the precise classification identity of his subject interest. Having thus determined the appropriate class and subclass, the searcher is ready to turn to the "Classification of Patents" listings to look for the corresponding numbers in its columns. The patent numbers found listed under the relevant classification provide the information needed to gain access to the patents themselves or to the extracts from them which are printed in the Official Gazette. In the latter connection, the user will find on the last page of this section a table entitled "List of Patent, Design, Plant Patent, and Reissue Numbers Appearing in the Official Gazette for 1966" which will guide him to the issue of the Official Gazette containing any specific patent number. He will find listed elsewhere in this section the 22 libraries which receive all U.S. patents and maintain them for public use in numerical order and the more than 400 depository libraries which receive the Official Gazette.

When the class and subclass which the searcher has determined to represent his interest does not appear in the "Classification of Patents" listing, he may assume that no patents were issued in that classification during the year. The possibility of this being the case is indicated by the fact that patents issued in less than one-third of the total number of subclasses in the classification.

If, after following the above-described procedure in using the *Index to Classification*, the searcher fails to find a pertinent classification, he should turn to the listings which appear at the front of the *Manual of Classification*. He should consider, particularly, the listing of groups of related subjects and the listing of classes arranged in alphabetical order which, in different ways, lay the entire framework of the classification in broad focus before him. He should scan the titles which appear on these sheets and note those which would appear to contain the subject matter sought.

Whichever of these approaches is taken, the searcher is guided to the classification schedules. He should inspect them carefully, proceeding from one major coordinate subclass to another until finding one which seems most nearly pertinent. The minor subclasses therein should then be scanned to find the title which indicates inclusion of the subject matter in question. Where doubt exists as to choice among several subclasses, the user should consult the Classification Bulletin containing the definitions of the class under study.

Further information on the use of the reference publications discussed above, as aids in using numerical files of patents or extracts of patents published in issues of the Official Gazette which may be found in the libraries listed elsewhere in this section, is offered in the illustrated publication *How To Obtain Information From United States Patents*, available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C., 20402, at 20 cents a copy.

Persons interested in a full and detailed treatment of the fundamentals of the U.S. Patent Classification System are referred to the publication titled *Development and Use of Patent Classification Systems*. This comprehensive text provides details and illustrations on the present organization of U.S. Patent Classification Systems, on the bases and techniques used in developing and administering them, and on the use of the systems to extract desired information.

CLASS TITLES ARRANGED IN CLASS NUMBER ORDER

Class	Title
	Plants
1	Nailing, Stapling and Clip Clenching
2	Apparel
3	Artificial Body Members
4	Baths, Closets, Sinks and Spittoons
5	Beds
6	Bee Culture
7	Compound Tools
8	Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers
9	Boats, Buoys and Aquatic Devices
10	Bolt, Nail, Nut, Rivet and Screw Making
11	Books, Making
12	Boot and Shoe Making
13	Electric Furnaces
14	Bridges
15	Brushing, Scrubbing and General Cleaning
16	Miscellaneous Hardware
17	Butchering
18	Plastics
19	Textiles, Fiber Preparation
20	Wooden Buildings*
21	Preserving, Disinfecting and Sterilizing
22	Metal Founding
23	Chemistry
24	Buckles, Buttons, Clasps, Etc.
25	Plastic Block and Earthenware Apparatus
26	Textiles, Cloth Finishing
27	Undertaking
28	Textiles, Manufacturing
29	Metal Working
30	Cutlery
31	Dairy
32	Dentistry
33	Geometrical Instruments
34	Drying and Gas or Vapor Contact With Solids
35	Education
36	Boots, Shoes and Leggings
37	Excavating
38	Textiles, Ironing or Smoothing
39	Gates*
40	Card, Picture and Sign Exhibiting
41	No Class
42	Firearms
43	Fishing, Trapping and Vermin Destroying
44	Fuel and Igniting Devices
45	No Class
46	Amusement Devices, Toys
47	Plant Husbandry
48	Gas, Heating and Illuminating
49	Movable or Removable Closures**
50	Building Structures
51	Abrading
52	Static Structures, e.g., Buildings
53	Package Making
54	Harness
55	Gas Separation
56	Harvesters
57	Textiles, Spinning, Twisting and Twining
58	Horology
59	Chain, Staple and Horseshoe Making
60	Power Plants
61	Hydraulic and Earth Engineering
62	Refrigeration
63	Jewelry
64	Machine Elements, Shafting and Flexible Shaft Couplings
65	Glass Manufacturing
66	Textiles, Knitting
67	Illuminating Burners
68	Textiles, Fluid Treating Apparatus
69	Leather Manufactures
70	Locks
71	Chemistry, Fertilizers
72	Metal Deforming
73	Measuring and Testing
74	Machine Elements and Mechanisms
75	Metallurgy
76	Metal Tools and Implements, Making
77	Boring and Drilling
78	Metal Forging and Welding
79	Button Making
80	Metal Rolling
81	Tools
82	Turning
83	Cutting
84	Music
85	Driven, Headed and Screw-Threaded Fastenings
86	Ammunition and Explosive-Charge Making
87	Textiles, Braiding, Netting and Lace Making
88	Optics
89	Ordnance
90	Gear Cutting, Milling and Planing
91	Motors, Expansible Chamber Type
92	Expansible Chamber Devices
93	Paper Manufactures
94	Roads and Pavements
95	Photography
96	Photographic Chemistry, Processes and Materials
97	No Class
98	Ventilation
99	Foods and Beverages
100	Presses
101	Printing
102	Ammunition and Explosive Devices
103	Pumps
104	Railways
105	Railway Rolling Stock

*Class abolished during 1966
**Class established during 1966

Class	Title
106	Compositions, Coating or Plastic
107	Bread, Pastry and Confection Making
108	Horizontally Supported Planar Surfaces
109	Safes, Bank Protection and Related Devices
110	Furnaces
111	Planting
112	Sewing
113	Sheet-Metal Ware, Making
114	Ships
115	Marine Propulsion
116	Signals and Indicators
117	Coating: Processes and Miscellaneous Products
118	Coating Apparatus
119	Animal Husbandry
120	Stationery
121	No Class
122	Liquid Heaters and Vaporizers
123	Internal-Combustion Engines
124	Mechanical Guns and Projectors
125	Stone Working
126	Stoves and Furnaces
127	Sugar, Starch and Carbohydrates
128	Surgery
129	Paper Files and Binders
130	Threshing
131	Tobacco
132	Toilet
133	Coin Handling
134	Cleaning and Liquid Contact With Solids
135	Tents, Canopies, Umbrellas and Canes
136	Batteries
137	Fluid Handling
138	Pipes and Tubular Conduits
139	Textiles, Weaving
140	Wireworking
141	Fluent Material Handling, With Receiver or Receiver Coacting Means
142	Wood Turning
143	Wood Sawing
144	Woodworking
145	Woodworking Tools
146	Vegetable and Meat Cutters and Comminutors
147	Coopering
148	Metal Treatment
149	Explosive and Thermic Compositions or Charges
150	Cloth, Leather and Rubber Receptacles
151	Nut and Bolt Locks
152	Resilient Tires and Wheels
153	Metal Bending
154	No Class
155	No Class
156	Adhesive Bonding and Miscellaneous Chemical Manufacture
157	Wheelwright Machines
158	Liquid and Gaseous Fuel Burners
159	Concentrating Evaporators
160	Closures, Partitions and Panels, Flexible and Portable
161	Stock Material and Miscellaneous Articles
162	Paper Making and Fiber Liberation
163	Needle and Pin Making
164	No Class
165	Heat Exchange
166	Wells
167	Medicines, Poisons and Cosmetics
168	Farriery
169	Fire-Extinguishers
170	Motors, Fluid Current
171	Unearthing Plants or Buried Objects
172	Earth Working
173	Tool Driving or Impacting
174	Electricity, Conductors and Insulators
175	Boring or Penetrating the Earth
176	Nuclear Reactions and Systems
177	Weighing Scales
178	Telegraphy
179	Telephony
180	Motor Vehicles
181	Acoustics
182	Fire Escapes, Ladders, Scaffolds
183	No Class
184	Lubrication
185	Motors, Spring, Weight and Animal Powered
186	Store Service
187	Elevators
188	Brakes
189	Metallic Building Structures*
190	Baggage
191	Electricity, Transmission to Vehicles
192	Clutches and Power-Stop Control
193	Conveyers, Chutes, Skids, Guides and Ways
194	Check-Controlled Apparatus
195	Chemistry, Fermentation
196	Mineral Oils: Apparatus
197	Typewriting Machines
198	Conveyers, Power-Driven
199	Type Casting
200	Electricity, Circuit Makers and Breakers
201	Distillation: Processes, Thermolytic
202	Distillation
203	Distillation: Processes, Separatory
204	Chemistry, Electrical and Wave Energy
205	Metal Drawing
206	Special Receptacles and Packages
207	Plastic Metal Working
208	Mineral Oils: Processes and Products
209	Classifying, Separating and Assorting Solids
210	Liquid Purification or Separation
211	Supports, Racks
212	Traversing Hoists
213	Railway Draft Appliances
214	Material or Article Handling
215	Bottles and Jars
216	No Class
217	Wooden Receptacles
218	Button, Eyelet and Rivet Setting
219	Electric Heating
220	Metallic Receptacles

*Class abolished during 1966

Class	Title
221	Article Dispensing
222	Dispensing
223	Apparel Apparatus
224	Package and Article Carriers
225	Severing by Tearing or Breaking
226	Advancing Material of Indeterminate-Length
227	Elongated-Member-Driving Apparatus
228	Metal Fusion-Bonding Apparatus
229	Paper Receptacles
230	Gas Pumps and Fans
231	Whips and Whip Apparatus
232	Deposit and Collection Receptacles
233	Centrifugal-Bowl Separators
234	Selective Cutting (e.g., Punching)
235	Registers
236	Automatic Temperature and Humidity Regulation
237	Heating Systems
238	Railways, Surface Track
239	Fluid Sprinkling, Spraying and Diffusing
240	Illumination
241	Solid Material Comminution or Disintegration
242	Winding and Reeling
243	Pneumatic Dispatch
244	Aeronautics
245	Wire Fabrics and Structure
246	Railway Switches and Signals
247	No Class
248	Supports
249	Static Molds
250	Radiant Energy
251	Valves and Valve Actuation
252	Compositions
253	Motors, Fluid
254	Pushing and Pulling Implements
255	No Class
256	Fences
257	No Class
258	Railway Mail Delivery
259	Agitating
260	Chemistry, Carbon Compounds
261	Gas and Liquid Contact Apparatus
262	No Class
263	Heating
264	Plastic and Non-Metallic Article Shaping or Treating: Processes
265	No Class
266	Metallurgical Apparatus
267	Spring Devices
268	Closure-Operators*
269	Work Holders
270	Sheet-Material Associating or Folding
271	Sheet Feeding or Delivering
272	Amusement and Exercising Devices
273	Amusement Devices, Games
274	Sound Recording and Reproducing
275	Scattering-Unloaders
276	Type Setting
277	Joint Packing
278	Land Vehicles, Animal Draft Appliances
279	Chucks or Sockets
280	Land Vehicles
281	Books, Strips and Leaves
282	Manifolding
283	Printed Matter
284	No Class
285	Pipe Joints or Couplings
286	No Class
287	Rod Joints or Couplings
288	No Class
289	Knots and Knot Tying
290	Prime-Mover Dynamo Plants
291	Track Sanders
292	Closure Fasteners
293	Vehicle Fenders
294	Handling, Hand and Hoist-Line Implements
295	Railway Wheels and Axles
296	Land Vehicles, Bodies and Tops
297	Chairs and Seats
298	Land Vehicles, Dumping
299	Mining or In Situ Disintegration of Hard Materials
300	Brush, Broom and Mop Making
301	Land Vehicles, Wheels and Axles
302	Conveyers, Fluid Current
303	Fluid-Pressure Brake and Analogous Systems
304	No Class
305	Wheel Substitutes for Land Vehicles
306	Tool-Handle Fastenings
307	Electrical Transmission or Interconnection Systems
308	Machine Elements, Bearings and Guides
309	No Class
310	Electrical Generator or Motor Structure
311	No Class
312	Supports, Cabinet Structures
313	Electric Lamp and Discharge Devices
314	Electric Lamp and Discharge Devices, Consumable Electrodes
315	Electric Lamp and Discharge Devices, Systems
316	Electric Lamp and Discharge Devices, Manufacture and Repair
317	Electricity
318	Electricity, Motive Power Systems
319	No Class
320	Electricity, Battery and Condenser Charging and Discharging
321	Electricity, Conversion Systems
322	Electricity, Single Generator Systems
323	Electricity, Voltage Magnitude and Phase Control Systems
324	Electricity, Measuring and Testing
325	Modulated Carrier Wave Communication Systems
326	No Class
327	No Class
328	Miscellaneous Electron Space Discharge Device Systems
329	Demodulators and Detectors
330	Amplifiers
331	Oscillators

*Class abolished during 1966

Class	Title
332	Modulators
333	Wave Transmission Lines and Networks
334	Tuners
335	Electricity, Magnetically Operated Switches, Magnets and Electromagnets**
336	Inductor Devices
337	No Class
338	Electrical Resistors
339	Electrical Connectors
340	Communications, Electrical
341	No Class
342	No Class
343	Communications, Radio Wave
344	No Class
345	No Class
346	Recorders
	Designs
	Industrial Arts
	Household, Personal and Fine Arts
350	Optics, Systems and Elements**
351	Optics, Eye Examining, Vision Testing and Correcting
352	Optics, Motion Pictures

CLASS TITLES ARRANGED IN ALPHABETICAL ORDER

Class	Title
51	Abrading
181	Acoustics
156	Adhesive Bonding and Miscellaneous Chemical Manufacture
226	Advancing Material of Indeterminate-Length
244	Aeronautics
259	Agitating
86	Ammunition and Explosive-Charge Making
102	Ammunition and Explosive Devices
330	Amplifiers
272	Amusement and Exercising Devices
273	Amusement Devices, Games
46	Amusement Devices, Toys
119	Animal Husbandry
2	Apparel
223	Apparel Apparatus
221	Article Dispensing
3	Artificial Body Members
236	Automatic Temperature and Humidity Regulation
190	Baggage
4	Baths, Closets, Sinks and Spittoons
136	Batteries
5	Beds
6	Bee Culture
8	Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers
9	Boats, Buoys and Aquatic Devices
10	Bolt, Nail, Nut, Rivet and Screw Making
11	Books, Making
281	Books, Strips and Leaves
12	Boot and Shoe Making
36	Boots, Shoes and Leggings
77	Boring and Drilling
175	Boring or Penetrating the Earth
215	Bottles and Jars
188	Brakes
107	Bread, Pastry and Confection Making
14	Bridges
300	Brush, Broom and Mop Making
15	Brushing, Scrubbing and General Cleaning
24	Buckles, Buttons, Clasps, Etc.
50	Building Structures
17	Butchering
218	Button, Eyelet and Rivet Setting
79	Button Making
40	Card, Picture and Sign Exhibiting
233	Centrifugal-Bowl Separators
59	Chain, Staple and Horseshoe Making
297	Chairs and Seats
194	Check-Controlled Apparatus
23	Chemistry
260	Chemistry, Carbon Compounds
204	Chemistry, Electrical and Wave Energy
195	Chemistry, Fermentation
71	Chemistry, Fertilizers
279	Chucks or Sockets
209	Classifying, Separating and Assorting Solids
134	Cleaning and Liquid Contact With Solids
292	Closure Fasteners
268	Closure-Operators*
160	Closures, Partitions and Panels, Flexible and Portable
150	Cloth, Leather and Rubber Receptacles
192	Clutches and Power-Stop Control
118	Coating Apparatus
117	Coating: Processes and Miscellaneous Products
133	Coin Handling
340	Communications, Electrical
343	Communications, Radio Wave
252	Compositions
106	Compositions, Coating or Plastic
7	Compound Tools
159	Concentrating Evaporators
193	Conveyers, Chutes, Skids, Guides and Ways
302	Conveyers, Fluid Current
198	Conveyers, Power-Driven
147	Coopering
30	Cutlery
83	Cutting
31	Dairy
329	Demodulators and Detectors
32	Dentistry
232	Deposit and Collection Receptacles
222	Dispensing
202	Distillation
201	Distillation: Processes, Thermolytic
203	Distillation: Processes, Separatory
85	Driven, Headed and Screw-Threaded Fastenings

*Class abolished during 1966
**Class established during 1966

Class	Title
34	Drying and Gas or Vapor Contact With Solids
172	Earth Working
35	Education
13	Electric Furnaces
219	Electric Heating
313	Electric Lamp and Discharge Devices
314	Electric Lamp and Discharge Devices, Consumable Electrodes
316	Electric Lamp and Discharge Devices, Manufacture and Repair
315	Electric Lamp and Discharge Devices, Systems
339	Electrical Connectors
310	Electrical Generator or Motor Structure
338	Electrical Resistors
307	Electrical Transmission or Interconnection Systems
317	Electricity
320	Electricity, Battery and Condenser Charging and Discharging
200	Electricity, Circuit Makers and Breakers
174	Electricity, Conductors and Insulators
321	Electricity, Conversion Systems
335	Electricity, Magnetically Operated Switches, Magnets and Electromagnets**
324	Electricity, Measuring and Testing
318	Electricity, Motive Power Systems
322	Electricity, Single Generator Systems
191	Electricity, Transmission to Vehicles
323	Electricity, Voltage Magnitude and Phase Control Systems
187	Elevators
227	Elongated-Member-Driving Apparatus
37	Excavating
92	Expansible Chamber Devices
149	Explosive and Thermic Compositions or Charges
168	Farriery
256	Fences
182	Fire Escapes, Ladders, Scaffolds
169	Fire-Extinguishers
42	Firearms
43	Fishing, Trapping and Vermin Destroying
141	Fluent Material Handling, With Receiver or Receiver Coacting Means
137	Fluid Handling
303	Fluid-Pressure Brake and Analogous Systems
239	Fluid Sprinkling, Spraying and Diffusing
99	Foods and Beverages
44	Fuel and Igniting Devices
110	Furnaces
261	Gas and Liquid Contact Apparatus
48	Gas, Heating and Illuminating
230	Gas Pumps and Fans
55	Gas Separation
39	Gates*
90	Gear Cutting, Milling and Planing
33	Geometrical Instruments
65	Glass Manufacturing
294	Handling, Hand and Hoist-Line Implements
54	Harness
56	Harvesters
165	Heat Exchange
263	Heating
237	Heating Systems
108	Horizontally Supported Planar Surfaces
58	Horology
61	Hydraulic and Earth Engineering
67	Illuminating Burners
240	Illumination
336	Inductor Devices
123	Internal-Combustion Engines
63	Jewelry
277	Joint Packing
289	Knots and Knot Tying
280	Land Vehicles
278	Land Vehicles, Animal Draft Appliances
296	Land Vehicles, Bodies and Tops
298	Land Vehicles, Dumping
301	Land Vehicles, Wheels and Axles
69	Leather Manufactures
158	Liquid and Gaseous Fuel Burners
122	Liquid Heaters and Vaporizers
210	Liquid Purification or Separation
70	Locks
184	Lubrication
74	Machine Elements and Mechanisms
308	Machine Elements, Bearings and Guides
64	Machine Elements, Shafting and Flexible Shaft Couplings
282	Manifolding
115	Marine Propulsion
214	Material or Article Handling
73	Measuring and Testing
124	Mechanical Guns and Projectors
167	Medicines, Poisons and Cosmetics
153	Metal Bending
72	Metal Deforming
205	Metal Drawing
78	Metal Forging and Welding
22	Metal Founding
228	Metal Fusion-Bonding Apparatus
80	Metal Rolling
76	Metal Tools and Implements, Making
148	Metal Treatment
29	Metal Working
189	Metallic Building Structures*
220	Metallic Receptacles
266	Metallurgical Apparatus
75	Metallurgy
196	Mineral Oils: Apparatus
208	Mineral Oils: Processes and Products
299	Mining or In Situ Disintegration of Hard Materials
328	Miscellaneous Electron Space Discharge Device Systems
16	Miscellaneous Hardware
325	Modulated Carrier Wave Communication Systems
332	Modulators
180	Motor Vehicles
91	Motors, Expansible Chamber Type
253	Motors, Fluid

*Class abolished during 1966
**Class established during 1966

Class	Title
170	Motors, Fluid Current
185	Motors, Spring, Weight and Animal Powered
49	Movable or Removable Closures**
84	Music
1	Nailing, Stapling and Clip Clenching
163	Needle and Pin Making
176	Nuclear Reactions and Systems
151	Nut and Bolt Locks
88	Optics
351	Optics, Eye Examining, Vision Testing and Correcting
352	Optics, Motion Pictures
350	Optics, Systems and Elements**
89	Ordnance
331	Oscillators
224	Package and Article Carriers
53	Package Making
129	Paper Files and Binders
162	Paper Making and Fiber Liberation
93	Paper Manufactures
229	Paper Receptacles
96	Photographic Chemistry, Processes and Materials
95	Photography
285	Pipe Joints or Couplings
138	Pipes and Tubular Conduits
47	Plant Husbandry
111	Planting
	Plants
25	Plastic Block and Earthenware Apparatus
264	Plastic and Non-Metallic Article Shaping or Treating: Processes
207	Plastic Metal Working
18	Plastics
243	Pneumatic Dispatch
60	Power Plants
21	Preserving, Disinfecting and Sterilizing
100	Presses
290	Prime-Mover Dynamo Plants
283	Printed Matter
101	Printing
103	Pumps
254	Pushing and Pulling Implements
250	Radiant Energy
213	Railway Draft Appliances
258	Railway Mail Delivery
105	Railway Rolling Stock
246	Railway Switches and Signals
295	Railway Wheels and Axles
104	Railways
238	Railways, Surface Track
346	Recorders
62	Refrigeration
235	Registers
152	Resilient Tires and Wheels
94	Roads and Pavements
287	Rod Joints or Couplings
109	Safes, Bank Protection and Related Devices
275	Scattering-Unloaders
234	Selective Cutting (e.g., Punching)
225	Severing by Tearing or Breaking
112	Sewing
271	Sheet Feeding or Delivering
270	Sheet-Material Associating or Folding
113	Sheet-Metal Ware, Making
114	Ships
116	Signals and Indicators
241	Solid Material Comminution or Disintegration
274	Sound Recording and Reproducing
206	Special Receptacles and Packages
267	Spring Devices
249	Static Molds
52	Static Structures, e.g., Buildings
120	Stationery
161	Stock Material and Miscellaneous Articles
125	Stone Working
186	Store Service
126	Stoves and Furnaces
127	Sugar, Starch and Carbohydrates
248	Supports
312	Supports, Cabinet Structures
211	Supports, Racks
128	Surgery
178	Telegraphy
179	Telephony
135	Tents, Canopies, Umbrellas and Canes
87	Textiles, Braiding, Netting and Lace Making
26	Textiles, Cloth Finishing
19	Textiles, Fiber Preparation
68	Textiles, Fluid Treating Apparatus
38	Textiles, Ironing or Smoothing
66	Textiles, Knitting
28	Textiles, Manufacturing
57	Textiles, Spinning, Twisting and Twining
139	Textiles, Weaving
130	Threshing
131	Tobacco
132	Toilet
173	Tool Driving or Impacting
306	Tool-Handle Fastenings
81	Tools
291	Track Sanders
212	Traversing Hoists
334	Tuners
82	Turning
199	Type Casting
276	Type Setting
197	Typewriting Machines
27	Undertaking
171	Unearthing Plants or Buried Objects
251	Valves and Valve Actuation
146	Vegetable and Meat Cutters and Comminutors
293	Vehicle Fenders
98	Ventilation
333	Wave Transmission Lines and Networks
177	Weighing Scales
166	Wells
305	Wheel Substitutes for Land Vehicles
157	Wheelwright Machines

**Class established during 1966

Class	Title
231	Whips and Whip Apparatus
242	Winding and Reeling
245	Wire Fabrics and Structure
140	Wireworking
143	Wood Sawing
142	Wood Turning
20	Wooden Buildings*
217	Wooden Receptacles
144	Woodworking
145	Woodworking Tools
269	Work Holders

*Class abolished during 1966

Class	Title
	Classes Established During 1966
49	Movable or Removable Closures (4/66)
335	Electricity, Magnetically Operated Switches, Magnets and Electromagnets (8/66)
350	Optics, Systems and Elements (11/66)
	Classes Abolished During 1966
20	Wooden Buildings (4/66)
39	Gates (4/66)
189	Metallic Building Structures (4/66)
268	Closure-Operators (4/66)

1966

CLASSIFICATION OF PATENTS

ORIGINAL CLASSIFICATION

Class 2

2 : 3,233,248
3,241,153
3,243,822
3,245,086
3,248,738
3,257,666
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Class 3

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Class 4

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279 : 3,226,735
282 : 3,251,074
285 : 3,230,555
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286 : 3,243,826
296 : 3,226,736
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317 : 3,230,556
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318 : 3,241,159
322 : 3,242,506
3,242,507
327 : 3,230,557
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332 : 3,259,923
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334 : 3,242,508
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335 : 3,241,161
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337 : 3,290,704
338 : 3,234,569
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344 : 3,226,737
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356 : 3,266,065
361 : 3,266,066
3,278,955
3,283,346
362 : 3,237,217

Class 6

10 : 3,231,907
11 : 3,245,093
3,267,497
12 : 3,290,705
3,293,672

Class 7

1 : 3,245,094
5.4 : 3,287,751
.4 : 3,293,673
8.1 : 3,257,671
14.1 : 3,239,855
.1 : 3,253,286

Class 7 —Con.

14.1 : 3,293,674
.55: 3,242,513

Class 8

1 : 3,232,691
4 : 3,236,582
3,249,393
3,254,934
3,275,400
7 : 3,238,009
10 : 3,272,585
12 : 3,273,954
14 : 3,227,510
15 : 3,253,875
17 : 3,278,253
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18 : 3,232,692
21 : 3,288,551
25 : 3,294,474
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26 : 3,232,693
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27 : 3,264,053
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44 : 3,266,863
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85 : 3,294,477
86 : 3,241,907
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.22: 3,291,557
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.5 : 3,281,203
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.2 : 3,235,323
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8 : 3,293,676
11 : 3,268,925
12 : 3,268,926
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313 : 3,226,740
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314 : 3,228,045
316 : 3,263,249
318 : 3,242,514
331 : 3,245,095
338 : 3,247,531
341 : 3,266,069
342 : 3,248,746
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346 : 3,283,349
Class 10
.1 : 3,226,741
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12 : 3,264,664
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.5 : 3,289,229
13 : 3,245,097
27 : 3,238,541
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72 : 3,251,079
76 : 3,231,912
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141 : 3,246,351
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3,259,930
158 : 3,255,474
Class 11
1 : 3,261,044
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2 : 3,237,223
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5 : 3,258,798
3,280,413
Class 12
1 : 3,231,914
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3,246,352
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3,289,230
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.1 : 3,251,081
.5 : 3,228,046
.5 : 3,237,224
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12 : 3,226,745
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.4 : 3,228,047
.4 : 3,268,930
.5 : 3,271,800
14.4 : 3,255,475
.4 : 3,256,543
16.4 : 3,273,184
20 : 3,270,356
24.5 : 3,261,045
36 : 3,239,859
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47.1 : 3,247,535
49.1 : 3,238,544
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52 : 3,255,476
53.5 : 3,251,082
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54.1 : 3,284,827
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87 : 3,235,893
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92 : 3,255,477
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.6 : 3,276,053
115.8 : 3,239,860
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.5 : 3,237,226
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145 : 3,230,559
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145 : 3,256,544
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3,292,191
146 : 3,239,861
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147 : 3,276,058
Class 13
1 : Re.25,958
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6 : 3,227,797
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Class 14
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Class 15
1 : 3,252,174
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.5 : 3,273,186
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567 : 3,278,977
568 : 3,255,481
569 : 3,256,551
3,264,676
3,266,079
3,281,887
571 : 3,259,935
572 : 3,242,522
573 : 3,263,263
575 : 3,263,264
578 : 3,237,237
592 : 3,263,265
595 : 3,289,241
605 : 3,231,925
3,293,684
610 : 3,292,202
Class 16
1 : 3,233,276
3,261,051
2 : 3,243,835
3,264,677
7 : 3,245,104
8 : 3,234,581
16 : 3,254,361
18 : 3,235,901
3,239,872
19 : 3,270,367
20 : 3,283,358
22 : 3,231,926
31 : 3,277,513
35 : 3,238,558
3,239,873
37 : 3,249,960
42 : 3,254,362
43 : 3,230,575
44 : 3,263,266
3,286,298
48.5 : 3,284,840
49 : 3,252,178
3,259,936
3,268,944
51 : 3,246,362
3,259,937
52 : 3,266,080
3,268,945
3,284,841
55 : 3,241,177
62 : 3,255,482
66 : 3,249,961
3,278,979
3,289,242
66 : 3,292,203
67 : 3,267,513
72 : 3,287,757
78 : 3,246,363
82 : 3,273,196
84 : 3,287,758
85 : 3,230,576
3,243,836
86 : 3,274,638
87 : 3,287,759
.4 : 3,262,148
.4 : 3,286,299
.6 : 3,261,052
.6 : 3,293,685
90 : 3,276,068
93 : 3,248,749
94 : 3,273,197
3,278,980
97 : 3,281,888
105 : 3,234,582
3,237,238
3,289,243
110 : 3,243,837
3,266,081
114 : 3,263,267
121 : 3,229,322
3,255,483
3,280,422
122 : 3,234,583
126 : Re.26,019
3,248,750
3,261,053
128 : 3,229,323
3,243,838
3,252,179
3,254,363
3,256,552
3,263,268
3,264,678
3,278,981
3,284,842
3,290,718
.1 : 3,234,584
130 : 3,284,843
138 : 3,286,300
140 : 3,235,902
3,239,874
3,271,811
141 : 3,231,927
145 : 3,237,239
147 : 3,262,149
3,290,719
149 : 3,283,359
151 : 3,251,088
3,251,089
3,251,090
153 : 3,292,204
154 : 3,289,244
158 : 3,268,946
166 : 3,231,928
3,276,069
167 : 3,235,903
168 : 3,233,277
169 : 3,263,269
171 : 3,226,763
3,231,929
3,242,523
3,284,844
3,287,760
178 : 3,256,553
180 : 3,254,364
3,255,484
184 : 3,228,058
190 : 3,256,554
197 : 3,233,278
3,271,812
3,278,982
3,286,301
3,293,686
Class 17
1 : 3,229,324
3,230,577
3,234,585
3,239,875
3,256,555
3,258,811
3,268,947
3,271,813
3,284,845
3,292,205
3,292,206
3,293,687
2 : 3,229,325
3,229,326
3,239,876
3,245,105
3,247,542
3,249,962
3,251,091
3,256,556
3,257,683
3,281,889
1 : 3,276,071
3,277,519
3,277,520
3,283,362
3,284,847
3,289,246
3,290,723
2 : 3,229,329
3,230,581
3,233,284
3,237,241
3,239,878
3,241,180
3,242,180
3,245,110
3,252,180
3,253,300
3,254,365
3,254,366
3,264,682
3,267,515
3,268,949
3,273,199
3,277,521
3,277,522
3,277,523
3,281,892
3,286,302
3,290,724
3,290,725
3,292,208
3,234,587
.1 : 3,234,588
.1 : 3,235,904
.1 : 3,273,198
.1 : 3,277,515
.2 : 3,253,296
.3 : 3,277,516
12 : 3,271,815
21 : 3,229,328
3,231,931
3,235,905
3,274,639
23 : 3,270,369
25 : 3,234,589
3,283,360
32 : 3,230,579
3,241,178
3,245,106
3,256,557
3,268,948
3,287,761
3,290,721
3,292,207
3,293,688
33 : 3,264,679
34 : 3,228,059
3,228,060
35 : 3,253,297
38 : 3,283,361
39 : 3,238,559
41 : 3,253,298
42 : 3,231,932
3,264,680
43 : 3,242,524
3,290,722
44 : 3,245,107
.1 : 3,243,840
.1 : 3,243,841
.1 : 3,247,543
.1 : 3,249,963
.1 : 3,263,270
.1 : 3,289,245
.2 : 3,233,281
45 : 3,228,061
3,230,580
3,233,282
3,233,283
3,234,590
3,234,591
3,234,592
3,238,560
3,238,561
3,241,179
3,242,525
3,243,842
3,245,108
3,248,752
3,253,299
3,255,485
3,257,684
3,264,681
3,274,640
3,276,070
3,277,517
3,277,518
3,278,983
3,281,890
3,281,891
500.459 3,237,706
Class 18
1 : 3,234,593
3,235,906
3,242,526
3,243,843
3,243,844
3,243,845
3,245,109
3,247,544
3,248,733
3,255,486
3,256,558
3,266,082
3,266,083
3,266,084
3,267,514
3,274,641
8 : 3,266,087
3,277,519
3,271,817
3,271,818
3,273,200
3,274,644
3,276,073
3,277,526
3,280,424
3,280,425
3,289,249
3,292,210
3,293,696
9 : 3,226,765
3,228,062
3,242,530
3,245,114
3,266,088
3,266,089
3,276,074
3,277,527
10 : 3,246,365
12 : 3,226,766
3,228,063
3,228,064
3,228,065
3,230,582
3,234,597
3,238,563
3,239,881
3,239,882
3,239,883
3,241,182
3,241,183
3,241,184
3,243,848
3,243,849
3,245,115
3,245,116
3,248,755
3,252,181
3,252,182
3,254,367
3,254,368
3,255,488
3,255,489
3,256,560
3,256,561
3,256,562
3,259,940
3,261,056
3,262,154
3,262,155
3,262,156
3,264,685
3,264,686
3,266,090
3,267,518
3,267,519
3,268,950
3,270,370
3,271,819
3,271,820
3,271,821
3,271,822
3,273,201
3,273,202
3,274,645
3,274,647
3,276,075
3,276,076
3,277,528
3,277,529
3,278,986
3,278,987
3,278,988
3,280,426
3,283,364
3,284,848
3,284,850
3,287,763
3,287,764
3,292,211
3,292,212
3,293,689
3,293,690
.3 : 3,290,726
6 : 3,241,181
3,242,528
3,277,525
8 : 3,229,330
3,231,934
3,234,596
3,237,245
3,238,562
3,242,529
3,245,112
3,245,118
3,247,546
3,253,301
3,255,487
3,259,938
3,259,939
3,262,153
13 : 3,239,884
3,239,885
3,247,547
3,249,965
3,252,183
3,254,369
3,263,271
3,266,091
3,274,646
3,274,648
3,274,649
3,277,530
3,280,427
3,284,851
3,289,250
3,289,251
3,290,727
14 : 3,233,286
3,238,564
14 : 3,241,185
3,241,186
3,242,531
3,246,366
3,256,563
3,266,092
3,266,093
3,270,371
3,277,531
3,280,429
3,280,430
3,281,896
3,281,897
3,284,852
3,292,213
15 : 3,245,117
3,263,272
16 : 3,231,935
3,234,598
3,239,886
3,241,187
3,242,532
3,242,533
3,245,118
3,245,119
3,245,120
3,249,966
3,255,490
3,259,941
3,261,057
3,264,687
3,266,094
3,266,095
3,266,096
3,268,951
3,276,077
3,278,989
3,283,365
.5 : 3,241,188
.5 : 3,257,688
17 : 3,237,246
3,241,189
3,241,190
3,255,491
3,267,520
3,278,990
3,286,304
18 : 3,277,532
19 : 3,226,767
3,228,066
3,231,936
3,231,937
3,238,565
3,238,566
3,239,887
3,243,850
3,245,121
3,248,756
3,256,564
3,256,565
3,256,566
3,257,689
3,258,813
3,258,814
3,259,942
3,262,157
3,267,521
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3,268,952
3,273,203
3,280,428
3,286,305
3,287,765
3,290,728
20 : Re.26,045
3,276,079
3,277,533
3,284,853
3,293,691
21 : 3,280,431
24 : 3,256,567
3,278,991
26 : 3,233,287
3,237,247
3,263,273
3,263,274
3,263,275
3,293,692
30 : 3,226,768
3,226,769
3,229,331
3,231,938
3,233,288
3,235,909
3,238,567
3,238,568
3,241,191
3,241,192
3,245,122
3,246,367
3,246,368
3,252,184
3,253,302

Class 18 —Con.

30 : 3,253,303
3,254,370
3,254,371
3,256,568
3,259,943
3,259,944
3,262,158
3,263,276
3,263,277
3,263,278
3,264,688
3,266,097
3,267,524
3,270,372
3,278,992
3,281,898
3,281,899
3,281,900
3,284,854
3,287,766
3,287,767
3,292,214
3,293,693
33 : 3,267,525
34 : 3,247,548
3,273,204
3,278,993
.1 : 3,281,901
35 : 3,247,549
3,262,159
36 : 3,230,583
3,237,248
3,246,369
3,247,550
3,254,372
3,270,373
3,276,078
3,293,694
39 : 3,248,757
3,273,205
41 : 3,233,289
3,255,492
42 : 3,226,770
3,226,771
3,226,772
3,238,569
3,241,193
3,243,851
3,248,758
3,255,493
3,266,098
3,266,099
3,280,432
3,289,252
3,293,697
43 : 3,277,534
3,293,698
44 : 3,277,535
45 : 3,257,690
3,266,100
47 : 3,289,253

Class 19

.22: 3,271,824
.25: 3,252,185
.25: 3,262,160
.25: 3,268,953
.25: 3,270,374
.25: 3,271,823
.25: 3,276,080
.26: 3,251,093
.32: 3,241,195
.6 : 3,241,194
38 : 3,243,852
48 : 3,284,855
53 : 3,245,123
3,251,094
55 : 3,277,536
57 : 3,266,101
58 : 3,231,939
64.5 : 3,264,689
65 : 3,254,373
3,271,825
3,286,306
66 : 3,226,773
3,228,067
3,247,551
3,247,552
3,263,279
3,286,307
80 : 3,239,888
3,251,095
3,251,096
97.5 : 3,231,940
99 : 3,226,774
105 : 3,235,910
106 : 3,231,941
3,235,911
3,249,967
3,259,945
3,281,902
106 : 3,283,366
108 : 3,234,599
112 : 3,264,690
114 : 3,290,729
129 : 3,290,730
144 : 3,234,600
.5 : 3,264,691
145 : 3,254,374
3,284,856
3,289,254
3,293,699
.3 : 3,255,494
.3 : 3,263,280
.5 : 3,251,097
150 : 3,230,584
3,235,912
3,246,370
3,255,495
156.3 : 3,235,913
.3 : 3,252,186
.3 : 3,268,954
.4 : 3,239,889
.4 : 3,256,569
159 : 3,233,290
3,241,196
3,242,534
3,246,371
3,249,968
3,271,826
160 : 3,263,281
161 : 3,255,496
3,277,537
3,284,857
200 : 3,287,768
202 : 3,239,890
204 : 3,293,700
231 : 3,290,731
240 : 3,243,853
3,268,955
3,289,255
245 : 3,237,249
3,247,553
3,267,526
246 : 3,251,098
254 : 3,243,854
3,251,099
255 : 3,235,914
3,254,375
3,290,732
258 : 3,246,372
263 : 3,251,100
3,251,101
267 : 3,238,570
278 : 3,283,367
281 : 3,278,994
288 : 3,273,206
295 : 3,256,570

Class 20

11 : 3,239,978
3,245,124
12 : 3,228,068
16 : 3,226,775
3,226,776
19 : 3,226,777
3,226,778
3,230,585
3,235,915
3,239,891
3,241,197
3,242,535
23 : 3,228,069
3,238,571
3,245,125
24 : 3,242,536
35 : 3,243,855
42 : 3,230,586
52 : 3,237,250
.2 : 3,226,779
.2 : 3,239,892
.4 : 3,229,332
.4 : 3,235,916
.4 : 3,238,572
53 : 3,239,893
64 : 3,235,917
69 : 3,226,780
3,235,918
3,235,919
3,238,573
3,238,574
3,241,198
3,242,537
92 : 3,226,781
3,229,333
3,229,334
3,229,335
3,230,587
3,231,945
3,235,920

Class 21

2 : 3,276,840
2.7 : 3,233,963
.7 : 3,235,324
.7 : 3,257,159
.7 : 3,257,160
.7 : 3,272,588
.7 : 3,288,555
7 : 3,284,157
53 : 3,261,659
3,279,883
54 : 3,264,055
56 : 3,246,947
58 : 3,257,161
3,276,841
60.5 : 3,231,325
.5 : 3,241,908
.5 : 3,257,162
.5 : 3,258,306
.5 : 3,273,957
61 : 3,233,964
3,285,692
3,285,693
74 : 3,230,033
3,235,325
3,239,305
3,254,942
3,294,480
83 : 3,292,993
84 : 3,248,167
85 : 3,233,965
3,236,588
92 : 3,271,103
93 : 3,278,256
94 : 3,253,882
3,254,943
3,291,563
98 : 3,272,589
105 : 3,261,660
110 : 3,290,112
116 : 3,285,694
120 : 3,288,556

Class 22

3 : 3,286,308
9 : 3,231,946
3,231,947
3,231,948
3,249,969
3,278,995
3,235,921
3,253,304
3,277,538
3,278,996
3,290,733
3,266,102
3,278,997
3,267,527
3,255,497
3,254,376
3,273,207
3,293,701
3,293,702
3,278,998
3,234,601
3,229,336
3,293,703
3,238,575
3,263,282
3,253,305
3,234,602
3,256,571
3,233,291
3,267,528
3,280,433
3,289,256
3,270,375
3,266,103
3,284,858
3,238,576
3,228,070
3,246,373
3,261,058
3,287,769
3,226,782
3,228,071
3,237,251
3,237,252
3,238,577
3,239,894
3,247,554
3,257,691
3,262,161
3,262,162
3,263,283
3,263,284
3,264,692
3,266,104
3,267,529
3,268,956
3,268,957
3,268,958
3,270,376
3,273,208
3,274,653
57.2 : 3,278,999
.2 : 3,283,368
.2 : 3,283,370
.2 : 3,286,309
.2 : 3,286,310
.2 : 3,287,770
.2 : 3,289,257
.2 : 3,290,734
.2 : 3,292,215
.2 : 3,292,216
.2 : 3,292,217
.2 : 3,293,704
.3 : 3,258,815
.3 : 3,268,959
.3 : 3,281,903
.3 : 3,284,859
.3 : 3,290,735
.4 : 3,228,072
.4 : 3,261,059
.4 : 3,279,000
58 : 3,233,292
3,234,603
3,239,895
3,250,048
3,253,306
3,255,498
3,262,163
3,273,209
3,283,369
3,290,736
63 : 3,267,530
3,267,531
3,283,371
65 : 3,263,285
3,280,434
3,284,860
3,290,737
.1 : 3,234,604
67 : 3,266,105
68 : 3,254,377
3,267,532
3,268,960
3,270,377
69 : 3,262,164
3,283,372
3,286,311
70 : 3,234,605
3,239,896
3,252,187
3,256,572
3,270,378
3,292,218
73 : 3,228,073
3,234,606
75 : 3,290,738
79 : 3,229,337
3,235,922
3,247,555
3,248,759
3,261,060
3,279,001
3,279,002
3,279,003
3,293,705
82 : 3,226,783
3,230,588
3,255,499
3,277,539
3,293,706
84 : 3,253,307
85 : 3,267,533
3,271,827
3,281,904
3,290,739
89 : 3,230,589
3,243,856
3,248,760
3,248,761
3,249,970
3,256,573
3,277,540
92 : 3,279,004
3,283,373
93 : 3,283,374
94 : 3,248,762
3,268,961
3,270,379
95.5 : 3,259,946
.5 : 3,273,210
.5 : 3,284,861
109 : 3,233,293
110 : 3,270,380
112 : 3,287,771
113.5 : 3,292,219
124 : 3,242,538
129 : 3,248,763
3,254,378
3,257,692
3,266,106
3,286,312
131 : 3,264,693
3,283,375
150 : 3,261,061
157 : 3,230,590
.1 : 3,234,608
.1 : 3,237,254
.1 : 3,245,126
.1 : 3,287,773
.1 : 3,290,741
.1 : 3,290,742
.1 : 3,293,707
.5 : 3,254,381
.5 : 3,264,695
.5 : 3,293,708
202 : 3,258,817
203 : 3,229,339
3,238,579
3,264,696
204 : 3,264,697
3,276,082
3,279,006
209 : 3,239,898
3,279,007
211 : 3,234,609
3,248,764
212 : 3,233,294
3,233,295
3,268,963
3,283,377
215 : 3,239,899
3,247,557
216.5 : 3,258,818

Class 23

1 : 3,231,326
3,249,395
3,261,661
2 : 3,228,746
3,230,034
3,240,554
3,240,555
3,245,752
3,253,883
3,257,163
3,259,453
3,259,454
3,260,566
3,262,751
3,264,056
3,266,866
3,279,884
3,288,557
3,288,558
3,291,564
3 : 3,275,403
14 : 3,227,512
14 : 3,227,513
3,228,747
3,230,035
3,231,327
3,232,698
3,232,699
3,238,012
3,238,013
3,244,474
3,245,753
3,245,754
3,248,168
3,249,396
3,249,397
3,249,398
3,251,643
3,252,752
3,252,753
3,253,884
3,254,944
3,256,056
.5 : 3,227,514
.5 : 3,227,515
.5 : 3,227,516
.5 : 3,228,748
.5 : 3,228,749
.5 : 3,230,036
.5 : 3,235,326
.5 : 3,235,327
.5 : 3,238,014
.5 : 3,239,306
.5 : 3,239,307
.5 : 3,240,556
.5 : 3,241,909
.5 : 3,243,254
.5 : 3,243,255
.5 : 3,243,256
.5 : 3,243,257
.5 : 3,249,400
.5 : 3,250,588
.5 : 3,250,589
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.5 : 3,251,644
.5 : 3,251,645
.5 : 3,252,754
.5 : 3,252,755
.5 : 3,252,756
.5 : 3,235,328
15 : 3,256,057
3,256,058
3,259,455
3,294,481
3,294,482
3,257,164
3,272,590
3,275,404
23 : 3,287,084
42 : 3,257,165
48 : 3,202,700
3,236,589
3,248,169
3,250,591
3,256,059
3,261,662
50 : 3,227,517
3,227,518
3,251,646
3,272,591
51 : 3,231,328
3,243,258
3,266,867
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Class 24

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Class 24 —Con.

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Class 29 —Con.

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Class 30

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195 : 3,250,001
3,257,723
200 : 3,279,061
201 : 3,237,304
3,259,979
3,262,200
3,267,572
202 : 3,264,735
3,287,805
206 : 3,273,239
3,277,572
210 : 3,279,062
211 : 3,241,235
3,274,685
221 : 3,242,570
223 : 3,293,746
224 : 3,266,143
228 : 3,235,963
3,257,724
3,267,573
229 : 3,284,899
3,286,347
240 : 3,262,201
242 : 3,261,096
248 : 3,233,326
250 : 3,243,880
251 : 3,273,240
253 : 3,279,063
254 : 3,277,573
262 : 3,235,964
267 : 3,289,296
271 : 3,262,202
272 : 3,234,649
3,251,129
3,276,118
3,283,407
276 : 3,269,010
277 : 3,246,396
279 : 3,259,980
283 : 3,271,855
286 : 3,230,620
287 : 3,241,236
289 : 3,259,981
3,276,119
3,286,348
290 : 3,257,725
292 : 3,286,349
293 : 3,262,203
294 : 3,290,780
298 : 3,262,204
301 : 3,292,257
305 : 3,231,973
307 : 3,279,064
317 : 3,280,457
318 : 3,284,900
322 : 3,266,144
324 : 3,254,409
326 : 3,287,806
327 : 3,226,825
331 : 3,257,726
338 : 3,247,592
3,262,205
342 : 3,276,120
343 : 3,271,856
344 : 3,241,237
346 : 3,262,206
3,263,330
3,276,121
.51: 3,290,781
.51: 3,292,251
347 : 3,289,297
348 : 3,274,686
353 : 3,259,982
354 : 3,261,097
355 : 3,252,219
3,279,065
358 : 3,239,933
3,251,130
3,279,066
360 : 3,255,526
3,269,011
3,273,241
3,274,687
365 : 3,259,983
3,281,938

Class 31

7 : 3,231,974
3,292,258
25 : 3,277,574
35 : 3,239,934
3,269,012
44 : 3,242,571
3,266,145
3,287,807
48 : 3,256,601
3,292,259
89 : 3,233,327

Class 32

1 : 3,279,067
2 : 3,226,826
3,241,238
3,252,220
3,277,575
3,284,901
5 : 3,228,106
3,254,410
3,267,574
3,271,858
6 : 3,250,002
11 : 3,226,827
12 : 3,266,146
3,273,242
14 : 3,230,621
3,231,975
3,235,965
3,237,305
3,238,619
3,250,003
3,256,602
3,262,207
3,284,902
3,292,260
3,293,747
15 : 3,247,593
3,254,411
3,266,147
17 : 3,238,620
19 : 3,228,107
3,239,935
3,250,004
3,293,748
22 : 3,229,368
3,270,416
3,271,859
3,271,860
3,280,458
3,280,462
26 : 3,248,792
3,270,417
27 : 3,229,369
3,241,239
3,242,572
3,250,005
3,255,527
3,256,603
28 : 3,237,306
3,250,006
3,256,604
32 : 3,259,984
40 : 3,252,221
3,277,576
3,286,350
43 : 3,254,412
47 : 3,263,331
57 : 3,247,594
60 : 3,280,459
3,293,749
63 : 3,237,307
3,262,208
66 : 3,231,976
67 : 3,226,828
3,231,977
3,254,413
68 : 3,276,122
369 : 3,256,487

Class 33

1 : 3,230,622
3,234,650
3,242,573
3,255,528
3,255,529
3,256,605
3,262,209
3,263,332
3,273,243
3,276,123
3,276,124
3,280,460
3,284,903
3,289,298
3,290,782
2 : 3,292,261
3 : 3,271,861
3,281,939
12 : 3,257,727
3,279,069
18 : 3,226,829
3,238,621
3,238,622
3,246,397
3,261,098
3,269,013
3,271,862
3,280,461
20 : 3,293,750
21 : 3,238,623
3,246,398
22 : 3,293,751
23 : 3,230,623
3,238,624
3,250,007
3,250,008
3,263,333
3,267,575
3,269,014
3,276,125
3,276,126
3,290,783
24 : 3,267,576
26 : 3,241,240
27 : 3,230,624
3,237,308
3,256,606
3,263,334
3,264,736
3,269,015
3,269,016
3,289,299
3,292,262
3,293,752
3,293,753
30 : 3,237,309
3,266,148
32 : 3,230,625
3,239,936
3,242,574
3,256,607
3,287,808
39 : 3,245,146
42 : 3,286,351
3,292,263
3,293,754
46 : 3,228,108
3,234,651
3,235,966
3,247,595
3,255,530
3,259,985
3,262,210
3,266,149
3,266,150
3,267,577
3,271,863
3,279,070
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3,281,940
3,284,904
3,289,300
3,293,755
47 : 3,279,072
3,284,905
49 : 3,256,608
50 : 3,229,370
3,230,627
3,235,967
3,259,986
3,260,001
3,276,127
3,280,463
3,286,352
3,292,264
53 : 3,281,941
56 : 3,229,371
3,270,418
3,271,864
60 : 3,269,017
61 : 3,243,881
3,245,147
3,257,728
62 : 3,266,151
63 : 3,290,784
64 : 3,234,652
3,239,937
67 : 3,248,793
69 : 3,226,830
3,266,152
72 : 3,283,408
3,283,409
73 : 3,270,419
74 : 3,230,626
3,242,576
3,271,865
75 : 3,229,372
3,270,420
3,271,866
3,273,244
3,280,464
76 : 3,264,737
3,267,578
77 : 3,226,831
3,258,843
3,266,153
3,266,154
78 : 3,261,099
79 : 3,234,653
3,279,073
80 : 3,251,131
3,283,410
3,293,756
81 : 3,287,809
85 : 3,266,155
3,273,245
3,276,128
3,276,129
86 : 3,226,832
3,250,009
88 : 3,242,578
93 : 3,243,882
3,266,156
3,289,301
94 : 3,271,867
3,293,757
97 : 3,238,625
98 : 3,281,942
101 : 3,273,246
103 : 3,243,883
104 : 3,279,074
3,279,075
105 : 3,289,302
107 : 3,228,109
3,273,247
108 : 3,264,738
3,266,157
109 : 3,292,265
110 : 3,258,844
3,293,758
112 : 3,274,688
3,279,076
113 : 3,280,465
123 : 3,264,739
125 : 3,229,373
3,248,794
3,274,689
125 : 3,279,077
3,287,810
3,293,759
126 : 3,253,337
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.6 : 3,248,795
.7 : 3,274,690
.7 : 3,274,691
.7 : 3,276,130
128 : 3,259,987
3,290,785
129 : 3,293,760
132 : 3,243,884
3,248,796
134 : 3,284,906
3,289,304
136 : 3,284,907
137 : 3,254,414
3,269,018
3,270,421
3,289,305
138 : 3,255,531
3,261,100
3,281,943
3,289,306
139 : 3,266,158
141 : 3,251,132
143 : 3,226,833
3,231,978
3,233,328
3,237,310
3,238,626
3,241,241
3,271,868
3,289,307
147 : 3,233,329
3,235,968
3,238,627
3,239,938
3,247,596
3,255,532
3,256,609
3,257,729
3,261,101
3,266,159
3,273,248
3,276,131
3,287,811
3,287,812
3,289,308
148 : 3,255,533
3,264,740
3,289,309
150 : 3,226,834
3,226,835
3,293,761
151 : 3,271,869
153 : 3,247,597
154 : 3,280,466
161 : 3,250,010
3,261,102
162 : 3,247,598
163 : 3,281,944
165 : 3,270,422
168 : 3,276,132
3,284,908
3,287,813
169 : 3,242,579
3,248,797
3,251,133
3,253,338
3,259,988
3,269,019
3,274,692
3,279,079
170 : 3,258,845
3,281,945
3,289,310
172 : 3,226,836
3,237,311
3,250,011
3,251,134
3,251,135
3,256,610
3,264,741
3,269,020
3,273,249
174 : 3,226,837
3,228,110
3,230,628
3,230,629
3,230,630
3,231,979
3,231,980
3,234,654
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3,235,969
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3,238,629
3,239,939
3,241,242
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3,242,577
174 : 3,242,580
3,242,581
3,243,885
3,245,148
3,245,149
3,250,012
3,254,415
3,254,416
3,256,611
3,257,730
3,259,989
3,264,742
3,264,743
3,266,160
3,266,161
3,266,162
3,267,579
3,270,423
3,270,424
3,271,870
3,271,871
3,273,250
3,273,251
3,273,252
3,274,693
3,276,133
3,276,134
3,277,577
3,279,080
3,279,081
3,279,082
3,279,083
3,286,353
3,286,354
3,289,311
3,293,762
178 : 3,231,981
3,233,330
3,250,013
3,251,136
3,259,990
3,267,580
3,269,179
3,292,266
179.5 : 3,228,111
.5 : 3,233,331
.5 : 3,264,744
.5 : 3,267,581
.5 : 3,269,021
.5 : 3,270,425
.5 : 3,276,135
.5 : 3,280,467
.5 : 3,284,909
180 : 3,241,244
3,243,886
3,245,201
3,254,417
3,269,022
3,270,426
3,283,411
3,284,910
3,287,814
181 : 3,266,163
3,276,136
184.5 : 3,226,838
.5 : 3,239,940
.5 : 3,243,887
.5 : 3,253,339
.5 : 3,281,946
.5 : 3,286,355
185 : 3,238,630
3,247,599
3,252,222
3,252,223
3,267,582
3,273,253
3,280,468
3,292,267
189 : 3,228,112
3,230,631
3,239,941
3,246,399
3,262,211
3,284,911
191 : 3,293,763
192 : 3,250,014
194 : 3,284,912
3,293,764
199 : 3,229,374
3,237,312
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3,270,427
3,271,872
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201 : 3,231,982
203 : 3,231,983
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.12: 3,252,224
.17: 3,235,970
.18: 3,234,656
.18: 3,250,015

203.18: 3,292,268
205 : 3,229,375
3,252,225
3,253,341
3,274,694
.5 : Re.26,109
.5 : 3,238,631
.5 : 3,279,085
206 : 3,290,786
207 : 3,230,632
3,242,582
3,245,150
208 : 3,243,888
3,277,579
209 : 3,269,023
212 : 3,281,947
214 : 3,286,356
215 : 3,241,245
3,286,357
216 : 3,254,418
217 : 3,284,914
222 : 3,233,332
3,234,657
3,273,254
3,276,137
223 : 3,286,358
224 : 3,253,342
225 : 3,261,103
226 : 3,229,376
3,231,984
3,237,313
3,254,419
3,269,024
3,274,696
3,279,086
3,290,787
3,292,269
265 : 3,274,695

Class 34

1 : 3,235,971
3,238,632
3,266,164
3,267,584
3,276,138
3,277,580
3,292,270
3,293,765
3 : 3,281,948
4 : 3,237,314
3,253,343
3,270,428
5 : 3,233,333
3,234,658
3,238,633
3,245,151
3,247,600
3,253,344
3,255,534
3,257,731
3,259,991
3,262,212
3,263,335
3,264,745
3,264,746
3,264,747
3,269,025
3,271,873
3,271,874
3,271,875
3,280,470
3,280,471
3,281,949
3,281,950
3,283,412
3,290,788
3,290,789
3,293,766
6 : 3,270,429
7 : 3,228,113
3,287,815
8 : 3,257,732
9 : 3,235,972
3,239,942
3,243,889
3,248,798
3,290,790
3,292,271
3,293,767
10 : 3,229,377
3,238,634
3,241,246
3,250,016
3,250,017
3,254,420
3,256,612
3,262,213
3,262,214
3,263,346
3,280,472
3,284,915
3,289,312
3,293,768
12 : 3,254,421
3,257,733
3,261,104
3,264,748
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3,281,951
3,286,359
13 : 3,239,943
3,261,105
3,290,791
15 : 3,230,633
3,233,334
3,256,613
3,280,473
3,284,916
17 : 3,241,247
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3,262,215
18 : 3,242,583
3,254,422
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3,287,816
19 : 3,264,749
20 : 3,252,226
3,261,106
3,267,585
3,273,255
21 : 3,226,839
3,253,345
3,257,735
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22 : 3,241,248
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23 : 3,231,985
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3,259,993
3,263,336
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25 : 3,241,249
26 : 3,234,659
3,259,994
3,262,216
27 : 3,257,737
3,257,738
28 : 3,229,378
3,239,944
3,266,165
31 : 3,251,137
3,257,739
3,259,995
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3,277,581
3,280,474
3,286,361
3,287,817
32 : 3,266,166
33 : 3,243,890
3,286,362
36 : 3,274,697
37 : 3,242,584
41 : 3,226,840
3,281,952
45 : 3,229,379
3,229,380
3,229,381
3,234,660
3,238,636
3,239,945
3,242,585
3,243,891
3,248,799
3,248,800
3,250,018
3,252,227
3,253,346
3,253,347
3,254,423
3,255,535
3,258,847
3,264,750
3,266,167
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3,271,876
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46 : 3,229,382
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48 : 3,233,335
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48 : 3,270,431
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49 : 3,234,662
52 : 3,228,114
3,230,634
53 : 3,253,349
3,259,996
3,280,475
54 : 3,251,139
55 : 3,248,801
56 : 3,274,699
57 : 3,226,841
3,228,115
3,228,116
3,230,635
3,233,336
3,242,586
3,252,228
3,259,997
3,259,998
3,262,217
3,263,338
3,263,339
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3,273,257
3,277,582
3,283,413
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58 : 3,246,404
3,266,169
3,269,028
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60 : 3,242,587
3,263,340
3,263,341
62 : 3,264,752
3,273,258
65 : 3,229,383
3,233,337
3,237,315
3,238,637
66 : 3,242,575
68 : 3,256,615
69 : 3,239,946
72 : 3,226,842
73 : 3,276,139
75 : 3,253,350
76 : 3,263,342
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77 : 3,233,338
3,283,414
8[illegible] : 3,263,343
90 : 3,266,170
92 : 3,226,843
3,229,384
3,238,638
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3,245,152
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3,270,433
3,270,434
3,273,259
3,281,954
3,281,956
3,286,365
3,286,366
3,289,314
3,289,315
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3,293,773
95 : 3,248,802
3,279,090
3,289,316
97 : 3,254,424
99 : 3,238,639
3,258,848
3,261,107
3,267,587
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3,290,794
102 : 3,258,849
104 : 3,256,616
3,258,850
3,274,700
107 : 3,242,588
108 : 3,247,601
110 : 3,246,400
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3,276,140
111 : 3,283,415
112 : 3,264,753
115 : 3,237,316
116 : 3,245,153
3,263,344
117 : 3,250,019
117 : 3,270,435
122 : 3,230,636
3,246,401
3,284,920
3,290,795
123 : 3,286,367
124 : 3,241,251
3,258,851
3,262,218
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125 : 3,276,141
126 : 3,228,117
131 : 3,270,436
133 : 3,237,317
3,239,947
3,242,589
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134 : 3,293,774
135 : 3,254,425
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137 : 3,251,140
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143 : 3,284,921
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156 : 3,230,637
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157 : 3,287,822
159 : 3,263,345
162 : 3,256,617
163 : 3,286,370
164 : 3,245,155
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167 : 3,238,640
168 : 3,243,893
3,254,429
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171 : 3,261,109
3,274,702
3,292,275
173 : 3,287,823
174 : 3,230,638
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182 : 3,269,029
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189 : 3,276,142
194 : 3,293,776
202 : 3,258,853
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219 : 3,231,986
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225 : 3,233,339
229 : 3,279,093
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3,279,094
237 : 3,243,894
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242 : 3,242,590
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Class 35

1 : 3,276,143
3,277,586
3,293,777
2 : 3,234,663
3,279,095
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3 : 3,226,844
3,250,020
5 : 3,234,664
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6 : 3,261,111
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8 : 3,245,156
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9 : 3,226,845
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3,250,021
3,251,141
3,252,229
3,252,230
3,254,431
3,255,536
3,264,758
3,273,260
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3,281,961
3,283,416
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3,286,372
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3,292,276
10 : 3,237,318
3,289,321
.2 : 3,258,517
.2 : 3,281,519
.2 : 3,293,348
.4 : 3,229,017
.4 : 3,229,018
.4 : 3,230,292
.4 : 3,251,922
.4 : 3,263,017
.4 : 3,267,195
.4 : 3,278,670
.4 : 3,280,243
.4 : 3,291,884
.4 : 3,291,885
.4 : 3,294,891
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14 : 3,228,120
3,233,343
3,233,344
15 : 3,269,032
16 : 3,243,895
17 : 3,226,846
3,271,879
3,271,880
3,273,261
3,274,705
3,276,146
3,276,147
18 : 3,230,643
3,258,856
3,276,148
3,284,926
3,289,322
19 : 3,226,847
3,235,974
3,250,022
3,253,353
3,253,354
3,261,112
19 : 3,266,175
3,271,881
3,277,589
3,280,478
20 : 3,274,706
3,280,479
21 : 3,281,966
22 : 3,276,149
23 : 3,290,796
24 : 3,228,121
3,281,967
3,289,323
3,290,797
25 : 3,234,665
3,238,642
3,243,896
3,257,741
3,276,150
26 : 3,242,594
3,247,604
3,256,618
3,283,419
3,284,927
28.3 : 3,229,385
.3 : 3,231,990
.5 : 3,267,589
29 : 3,270,441
3,279,097
3,284,928
30 : 3,235,975
31 : 3,233,345
3,248,804
3,267,590
3,271,882
3,276,151
3,280,480
3,283,420
3,289,324
3,290,798
32 : 3,226,848
33 : 3,273,262
34 : 3,229,386
3,287,829
35 : 3,229,387
3,230,644
3,234,666
3,235,976
3,239,950
3,245,158
3,248,805
3,250,023
3,255,537
3,255,538
3,262,219
3,264,759
3,267,591
3,269,033
3,270,430
3,271,883
3,271,884
3,277,590
3,279,098
3,280,481
3,281,968
3,287,830
3,289,325
3,289,326
3,289,327
36 : 3,238,643
42 : 3,287,831
43 : 3,250,024
44 : 3,290,799
45 : 3,242,595
3,255,539
3,256,619
3,286,374
3,287,832
46 : 3,241,252
3,243,897
3,248,806
3,248,807
3,262,220
3,281,969
47 : 3,251,143
3,266,176
48 : 3,242,596
3,248,808
3,258,857
3,264,760
3,266,049
3,279,099
3,280,482
3,280,483
3,284,929
53 : 3,269,034
3,281,970
60 : 3,233,346
3,238,644
3,263,347
61 : 3,279,100
3,283,421
62 : 3,274,707
63 : 3,261,113
3,269,035
63 : 3,279,101
70 : 3,229,388
71 : 3,290,800
72 : 3,238,645
74 : 3,239,951
3,277,591
75 : 3,235,977
3,248,809

Class 36

1 : 3,226,849
3,258,858
3,283,422
2 : 3,269,036
.5 : 3,226,850
.5 : 3,228,122
.5 : 3,228,123
.5 : 3,234,667
.5 : 3,235,978
.5 : 3,237,319
.5 : 3,239,952
.5 : 3,251,144
.5 : 3,252,231
.5 : 3,256,620
.5 : 3,258,859
.5 : 3,261,114
.5 : 3,263,348
.5 : 3,270,442
.5 : 3,271,885
.5 : 3,273,263
.5 : 3,273,266
.5 : 3,281,971
.5 : 3,290,801
3 : 3,256,621
3,264,761
3,273,264
3,273,265
3,274,708
3,280,484
3,284,930
4.5 : 3,269,037
7.1 : 3,286,375
.3 : 3,280,485
.3 : 3,283,423
.5 : 3,243,898
.5 : 3,279,102
.5 : 3,283,424
.6 : 3,229,389
.8 : 3,251,145
9 : 3,289,328
10 : 3,258,860
3,269,038
3,274,709
3,289,329
11.5 : 3,228,124
.5 : 3,290,802
14 : 3,271,887
3,290,803
17 : 3,233,347
22 : 3,235,979
29 : 3,253,355
30 : 3,226,851
3,243,899
34 : 3,243,900
3,251,146
3,258,861
3,261,115
3,262,221
3,263,349
3,264,762
35 : 3,237,320
3,267,592
36 : 3,235,980
3,266,177
3,287,833
37 : 3,226,852
39 : 3,237,321
42 : Re.25,984
3,229,390
43 : 3,266,178
44 : 3,233,348
3,257,742
48 : 3,289,330
54 : 3,284,931
58.5 : 3,235,981
.5 : 3,258,862
59 : 3,237,322
3,237,323
3,267,593
62 : 3,258,863
68 : 3,234,668
69 : 3,257,743
71 : 3,292,277
72 : 3,239,953
3,242,597
3,243,901
3,243,902
3,250,025
3,252,232
3,262,222
3,271,888
74 : 3,279,103
75 : 3,248,810

Class 37

2 : 3,243,903
3,243,904
3,247,605
3,274,710
3,284,932
8 : 3,270,443
3,292,278
12 : 3,228,125
3,241,253
41 : 3,279,104
42 : 3,231,991
3,250,026
43 : Re.26,010
3,226,853
3,239,954
3,252,233
3,253,356
3,264,763
3,267,594
3,286,376
44 : 3,241,254
50 : 3,230,645
53 : 3,248,811
3,260,002
58 : 3,226,854
61 : 3,248,812
65 : 3,253,357
80 : 3,235,982
81 : 3,226,855
3,257,662
3,290,804
86 : 3,266,179
92 : 3,261,117
97 : 3,226,856
101 : 3,245,159
105 : 3,250,027
3,257,744
117.5 : 3,243,905
.5 : 3,250,028
118 : 3,286,377
124 : 3,233,349
125 : 3,276,152
126 : 3,226,857
3,230,646
3,235,983
3,235,984
3,235,985
3,269,039
3,290,805
129 : 3,274,711
3,290,806
3,292,279
130 : 3,242,598
135 : 3,247,606
3,247,607
141 : 3,238,646
3,243,906
3,281,972
3,293,778
142 : 3,256,622
3,277,592
3,280,486
3,286,378
3,286,379
3,292,280
3,292,281
143 : 3,234,669
3,246,405
3,289,331
144. 3,238,648
3,226,858
3,226,859
3,233,350
3,234,670
3,238,647
3,246,406
3,257,745
3,260,003
3,279,105
3,289,332
145 : 3,246,407
3,274,712
3,274,713
3,283,426
148 : 3,234,671
3,276,153
150 : 3,237,324
153 : 3,266,180
155 : 3,226,860
3,242,599
156 : 3,229,391
3,258,864
3,266,050
3,287,834
169 : 3,266,181
179 : 3,243,907
3,292,282
180 : 3,261,118
3,287,835
190 : 3,230,647
3,258,865
3,280,487

195 : 3,260,004

Class 38

2 : 3,258,866
15 : 3,256,623
17 : 3,242,600
30 : 3,234,672
3,251,147
3,284,933
3,284,934
40 : 3,279,106
49 : 3,270,444
71 : 3,287,836
3,290,807
77 : 3,238,649
3,245,160
3,248,813
3,250,029
3,251,148
3,260,005
3,263,350
3,264,764
3,273,267
3,274,714
3,287,837
3,292,283
78 : 3,237,325
88 : 3,230,648
90 : 3,229,392
93 : 3,228,126
3,238,650
97 : 3,257,746
3,269,040
102.4 : 3,242,601
.91: 3,226,861
.91: 3,238,651
.91: 3,255,540
104 : 3,245,161
135 : 3,229,393
140 : 3,266,182
141 : 3,264,765
142 : 3,250,030
143 : 3,228,127
3,256,624
3,271,889
3,287,838

Class 39

6 : 3,233,351

Class 40

1 : 3,256,625
3,289,333
.5 : 3,237,326
.5 : 3,256,626
.5 : 3,257,747
.5 : 3,262,223
.5 : 3,280,488
2 : 3,226,862
3,230,649
3,235,986
3,241,255
3,247,608
3,251,149
3,252,234
3,290,808
.2 : 3,228,128
.2 : 3,230,650
.2 : 3,251,150
.2 : 3,273,268
.2 : 3,287,839
10 : 3,234,673
3,237,327
3,261,119
3,263,352
3,269,041
3,269,042
3,277,593
3,290,809
3,293,779
3,293,780
11 : 3,229,394
16 : 3,254,432
19.5 : 3,286,380
21 : 3,228,129
3,231,992
3,279,107
23 : 3,245,162
3,248,814
3,286,381
3,290,810
26 : 3,246,408
27.5 : 3,280,489
28 : 3,250,031
3,267,595
3,283,427
3,287,833
.1 : 3,276,154
.2 : 3,237,328
.3 : 3,246,409
.3 : 3,277,594
.3 : 3,293,781

31 : 3,255,541
3,293,782
32 : 3,246,410
33 : 3,248,815
3,281,973
3,284,935
34 : 3,245,163
3,273,269
35 : 3,279,108
36 : 3,264,766
3,270,445
3,270,446
3,280,490
3,283,428
37 : 3,228,130
3,277,595
40 : 3,263,353
52 : 3,270,447
3,273,270
61 : 3,284,936
3,293,783
62 : 3,292,284
64 : 3,292,285
65 : 3,228,131
3,245,164
3,276,155
3,283,429
3,292,286
68 : 3,231,993
3,238,652
3,254,433
70 : 3,289,334
3,290,811
76 : 3,229,395
3,234,674
77 : 3,247,609
3,273,271
3,292,287
78 : 3,270,448
3,284,937
3,292,288
79 : 3,228,132
3,238,653
3,239,955
3,258,867
3,276,156
86 : 3,229,396
3,229,397
3,293,784
3,293,785
93 : 3,280,491
95 : 3,263,354
96 : 3,292,289
102 : 3,246,411
3,264,767
3,269,043
3,270,449
3,274,715
3,286,382
3,286,383
103 : 3,281,974
104 : 3,277,596
3,289,335
106.1 : 3,246,412
.1 : 3,253,358
.1 : 3,279,109
.41: 3,270,450
.45: 3,239,956
.51: 3,235,987
.51: 3,256,627
.52: 3,234,675
.52: 3,261,120
.52: 3,286,384
.53: 3,258,868
.53: 3,277,597
107 : 3,274,716
3,290,812
109 : 3,242,602
3,267,596
111 : 3,274,717
117 : 3,289,336
120 : 3,226,863
3,280,492
3,281,975
124 : 3,230,651
3,237,329
3,260,006
3,263,355
3,264,768
3,274,718
3,283,430
.1 : 3,234,676
.1 : 3,235,988
.1 : 3,256,628
.1 : 3,273,272
.1 : 3,292,290
125 : Re.26,068
3,230,652
3,231,994
3,242,603
3,256,629
3,263,356
3,263,357
3,289,337

125 : 3,289,338
126 : 3,267,597
3,286,385
3,289,339
128 : 3,231,995
3,273,273
129 : 3,230,653
3,234,677
3,237,330
3,239,957
3,245,165
3,254,434
3,254,435
3,255,542
3,255,543
3,276,157
3,279,110
3,284,938
3,286,386
3,290,813
3,292,291
130 : 3,226,864
3,233,352
3,235,989
3,241,256
3,254,436
3,257,748
3,262,224
3,264,769
3,267,598
3,270,451
3,273,274
3,284,941
131 : 3,241,257
132 : 3,231,996
3,252,235
135 : 3,226,865
137 : 3,237,331
3,290,814
138 : 3,287,840
139 : 3,248,816
140 : 3,229,398
3,238,654
3,246,413
3,254,437
3,258,869
3,262,225
3,270,452
142 : 3,228,133
3,274,719
143 : 3,234,678
3,258,870
3,274,720
3,289,340
145 : 3,239,958
3,250,032
152 : 3,235,990
3,237,332
3,237,333
3,241,258
3,242,604
3,242,605
3,246,414
3,251,151
3,253,359
3,274,721
3,281,976
3,283,431
3,284,939
3,289,341
.1 : 3,252,236
.1 : 3,256,630
.1 : 3,284,940
.2 : 3,226,866
.2 : 3,289,342
154 : 3,286,387
3,289,343
156 : 3,254,438
3,255,544
158 : 3,226,867
3,228,134
3,235,991
3,253,360
3,264,770
3,267,599
3,274,722
3,277,598
3,279,111
3,279,112
3,280,493
3,281,977
3,283,432
3,283,434
3,289,344
3,292,292
159 : 3,238,655
3,245,166
3,256,631
3,293,786
209 : 3,263,358
3,274,723
301 : 3,260,007
305 : 3,270,453
306 : 3,279,113

306 : 3,293,787
307 : 3,237,334
308 : 3,270,454
3,281,978
3,287,841
312 : 3,251,152
320 : 3,283,433
325 : 3,238,656
334 : 3,250,033
336 : 3,243,908
3,286,388

Class 42

1 : 3,226,868
3,229,399
3,235,992
3,241,259
3,243,909
3,253,361
3,260,008
3,270,455
3,279,114
8 : 3,237,335
16 : 3,253,362
3,257,749
3,270,456
3,274,724
3,283,435
3,287,842
17 : 3,242,606
19 : 3,239,959
25 : 3,235,993
3,247,610
3,269,044
3,281,979
36 : 3,229,400
41 : 3,276,158
42 : 3,280,494
3,283,436
49 : 3,292,293
50 : 3,226,869
3,235,994
3,235,995
3,273,275
54 : 3,233,353
3,267,600
3,293,788
57 : 3,266,183
59 : 3,237,336
3,280,495
65 : 3,242,607
3,245,167
3,251,153
3,269,045
69 : 3,247,611
3,248,817
3,260,009
3,287,843
70 : 3,234,679
3,255,545
3,258,871
3,269,046
71 : 3,226,870
3,229,401
3,242,608
3,248,818
72 : 3,256,632
73 : 3,267,601
74 : 3,233,354
3,263,359
3,267,602
3,274,725
3,290,815
75 : 3,252,237
76 : 3,230,654
3,235,996
3,238,657
3,255,546
3,264,771
78 : 3,261,121
79 : 3,226,871
3,229,402
3,243,910
3,284,942
84 : 3,250,034
3,255,547
85 : 3,226,872
87 : 3,242,609
89 : 3,252,238
94 : 3,235,997
3,235,998

Class 43

3 : 3,245,168
3,254,439
4 : 3,229,403
3,231,997
3,271,890
.5 : 3,229,404
.5 : 3,237,337
.5 : 3,264,772
5 : 3,267,603

6.5 : 3,273,276
7 : 3,269,047
8 : 3,261,122
9 : 3,231,998
3,247,612
3,250,035
3,269,048
3,281,980
15 : 3,238,658
3,270,457
3,271,891
3,276,159
3,284,943
3,293,789
17 : 3,228,135
3,230,655
3,238,659
3,250,036
3,264,773
3,280,496
3,283,437
3,283,438
3,285,360
.1 : 3,235,999
.2 : 3,243,911
.2 : 3,246,415
.5 : 3,292,294
18 : 3,229,405
3,245,169
3,260,010
19 : 3,245,170
3,255,548
3,261,123
3,266,184
3,279,115
3,292,295
3,292,296
21 : 3,229,406
3,248,819
3,252,239
.2 : 3,287,844
.2 : 3,290,816
22 : 3,226,873
3,233,355
3,276,160
23 : 3,269,049
3,279,116
25 : 3,256,633
.2 : 3,281,981
35 : 3,266,185
36 : 3,241,260
3,292,297
41 : 3,273,277
42.03: 3,238,660
.03: 3,241,261
.03: 3,271,892
.03: 3,279,117
.06: 3,226,874
.06: 3,257,750
.06: 3,280,497
.09: 3,231,999
.09: 3,260,011
.09: 3,289,345
.1 : 3,230,656
.1 : 3,245,171
.1 : 3,260,012
.13: 3,253,363
.14: 3,264,774
.15: 3,284,944
.16: 3,243,912
.17: 3,226,875
.17: 3,230,657
.18: 3,229,407
.18: 3,236,000
.23: 3,230,658
.29: 3,248,820
.33: 3,257,751
.33: 3,269,050
.39: 3,264,775
.5 : 3,281,982
.52: 3,246,416
.74: 3,270,458
43.1 : 3,226,876
.1 : 3,229,408
.1 : 3,237,338
.11: 3,230,659
.11: 3,255,549
.12: 3,269,051
.12: 3,280,498
.12: 3,281,983
.13: 3,230,660
.14: 3,246,417
.14: 3,271,893
.15: 3,292,298
.4 : 3,274,726
44.2 : 3,284,945
.2 : 3,293,790
.4 : 3,293,791
.6 : 3,289,346
.87: 3,273,278
.89: 3,293,792
.91: 3,241,262
.95: Re.26,096
.99: 3,237,339

53.5 : 3,276,161
.5 : 3,287,845
54.5 : 3,273,279
55 : 3,236,001
3,245,172
3,277,599
57.5 : 3,255,550
.5 : 3,277,600
.5 : 3,286,390
65 : 3,245,173
3,271,894
98 : 3,243,913
100 : 3,232,000
129 : 3,229,409
3,239,960
3,279,118
131 : 3,226,877
3,269,052
132 : 3,258,872
135 : 3,292,299
148 : 3,263,360
3,276,162

Class 44

1 : 3,227,530
3,252,769
6 : 3,268,310
7 : 3,231,345
3,231,346
3,232,720
3,232,721
3,236,611
3,243,270
3,271,120
3,285,718
3,291,579
.5 : 3,246,963
13 : 3,232,722
3,240,573
40 : 3,252,770
3,262,765
3,269,807
3,279,900
41 : 3,260,581
42 : 3,272,604
51 : 3,272,605
53 : 3,291,580
56 : 3,284,177
58 : 3,227,531
3,230,057
3,251,661
3,290,130
62 : 3,227,532
3,235,347
3,236,612
3,245,766
3,248,186
3,250,599
3,252,771
3,252,772
3,265,474
3,269,808
3,269,809
3,269,810
3,271,121
3,275,427
3,288,577
63 : 3,232,723
3,240,574
3,241,932
3,248,187
3,251,662
3,257,179
3,259,477
3,266,877
3,269,811
3,273,980
3,294,499
64 : 3,239,320
66 : 3,227,533
3,230,058
3,232,724
3,240,575
3,244,491
3,251,663
3,251,664
3,256,073
3,273,981
3,279,901
68 : 3,246,964
3,264,075
69 : 3,231,347
3,240,576
3,240,577
3,244,492
3,246,965
3,246,966
3,254,972
3,254,973
3,261,674
3,272,606
3,282,662
70 : 3,272,607

70 : 3,294,500
71 : 3,236,613
3,256,074
3,258,320
3,294,501
72 : 3,228,758
3,231,348
3,236,614
3,238,026
3,240,578
3,246,967
3,250,600
3,254,974
3,268,311
3,269,812
75 : 3,254,975
3,259,478
76 : 3,233,986
3,253,895
80 : 3,282,663

Class 46

1 : 3,229,410
3,237,340
3,245,174
3,283,439
3,283,440
3 : 3,243,914
4 : 3,289,347
8 : 3,228,136
3,246,418
3,246,419
9 : 3,255,551
11 : 3,230,661
3,233,356
3,236,002
3,246,420
3,246,421
3,251,154
3,256,634
3,258,873
12 : 3,233,357
13 : 3,229,411
15 : 3,236,003
16 : 3,237,341
3,274,727
17 : 3,280,499
19 : 3,284,946
21 : 3,234,680
22 : 3,234,681
3,246,422
23 : 3,236,004
24 : 3,234,682
25 : 3,233,358
3,234,683
3,254,440
26 : 3,242,610
29 : 3,228,137
3,274,728
3,286,391
31 : 3,271,895
32 : 3,238,661
3,290,817
33 : 3,238,662
3,246,423
34 : 3,228,138
3,228,139
39 : 3,292,300
3,292,301
40 : 3,260,013
42 : 3,251,155
43 : 3,230,662
47 : 3,260,014
50 : 3,287,846
58 : 3,229,412
3,252,241
3,283,441
59 : 3,246,424
61 : 3,228,140
3,233,359
3,256,635
3,263,361
63 : 3,234,684
67 : 3,229,413
3,263,362
3,269,053
72 : 3,279,119
3,283,442
74 : 3,264,776
3,286,392
3,292,302
75 : 3,229,414
3,229,415
3,229,416
3,237,342
76 : 3,229,417
3,232,001
3,273,281
77 : 3,238,663
3,238,664
78 : 3,232,002
79 : 3,246,425
81 : 3,264,777

81 : 3,293,793
86 : 3,228,141
3,233,360
3,257,752
87 : 3,271,896
88 : 3,229,418
3,234,685
3,246,426
3,267,604
90. : 3,230,663
3,236,005
92 : 3,228,142
3,229,419
3,247,613
3,254,441
3,271,897
93 : 3,279,120
94 : 3,292,303
95 : 3,237,343
3,281,984
99 : 3,232,003
3,234,686
3,267,605
107 : 3,238,665
111 : 3,286,393
114 : 3,233,361
117 : 3,234,687
3,260,015
118 : 3,230,664
3,230,665
3,237,344
3,252,242
3,261,124
3,264,778
3,271,898
3,287,847
3,293,794
3,293,795
119 : 3,230,666
3,260,016
120 : 3,264,779
130 : 3,269,054
133 : 3,243,915
135 : 3,234,688
3,236,006
3,242,611
3,250,037
3,287,848
149 : 3,228,143
150 : 3,226,878
3,243,916
156 : 3,284,947
3,293,796
157 : 3,236,007
3,252,243
161 : 3,234,689
3,254,442
3,273,280
3,273,283
3,277,601
3,277,602
163 : 3,279,121
169 : 3,234,690
3,252,244
3,252,245
3,252,246
3,286,394
175 : 3,226,879
3,267,606
3,289,348
177 : 3,247,614
182 : 3,256,636
191. 3,236,008
192 : 3,286,395
196 : 3,277,603
201 : 3,280,500
202 : 3,266,186
3,281,985
210 : 3,271,899
220 : 3,242,612
3,254,443
221 : 3,238,666
3,263,363
3,264,780
3,290,818
226 : 3,260,017
227 : 3,232,004
3,233,362
228 : 3,226,880
3,239,961
3,254,444
3,255,552
232 : 3,274,729
3,286,396
3,287,849
235 : 3,237,345
3,254,445
239 : 3,266,187
240 : 3,253,364
241 : 3,273,282
3,279,122
242 : 3,254,446
243 : 3,233,363
3,233,364

243 : 3,243,917
3,246,427
3,253,365
3,264,782
3,269,055
244 : 3,229,420
3,232,005
3,239,962
3,239,963
3,241,263
3,242,613
3,252,247
3,252,248
3,263,364
3,264,781
3,280,501
3,286,397
3,292,304
247 : 3,229,421
3,267,607
3,267,608
3,269,056

Class 47

1 : 3,228,144
3,238,667
3,267,609
3,270,459
3,274,730
3,277,604
3,277,605
.1 : 3,242,614
.1 : 3,286,398
.1 : 3,286,399
.1 : 3,292,305
.2 : 3,233,365
.2 : 3,254,447
.2 : 3,276,163
.2 : 3,284,948
.4 : 3,243,918
.4 : 3,280,502
.41: 3,286,403
.43: 3,252,249
.5 : 3,232,006
.5 : 3,257,753
.7 : 3,237,346
.7 : 3,238,668
.7 : 3,238,669
.7 : 3,238,670
.7 : 3,267,610
2 : 3,230,667
3,270,460
3,270,461
3,292,306
8 : 3,286,400
9 : 3,234,691
3,252,250
3,274,731
3,281,986
3,281,987
3,287,850
3,293,797
16 : 3,233,366
25 : 3,287,851
28 : 3,266,188
29 : 3,252,251
30 : 3,226,881
33 : 3,277,606
3,281,988
3,289,349
34 : 3,273,284
.11: 3,284,949
.12: 3,293,798
37 : 3,238,671
38 : 3,243,919
3,252,252
3,293,799
.1 : 3,241,264
.1 : 3,261,125
.1 : 3,271,900
41 : 3,280,503
.1 : 3,233,367
.1 : 3,290,819
.12: 3,261,126
.12: 3,290,820
.13: 3,245,175
42 : 3,226,882
45 : 3,264,783
48.5 : 3,232,007
.5 : 3,290,821
52 : 3,226,883
56 : 3,257,754
57.5 : 3,254,449
.5 : 3,280,504
.5 : 3,286,401
.5 : 3,286,402
.5 : 3,290,822
.58 : 3,246,428
3,261,127
3,269,057
3,277,607
3,292,307

58 : 3,292,308

Class 48

53.3 : 3,243,271
63 : 3,254,976
180 : 3,227,534
3,230,059
3,233,987
3,257,180
3,273,982
3,273,983
184 : 3,282,664
190 : 3,232,725
3,285,719
3,293,011
192 : 3,238,027
3,243,272
3,248,188
3,287,094
3,288,578
193 : 3,246,968
195 : 3,235,348
196 : 3,232,726
3,241,933
3,250,601
197 : 3,291,581
202 : 3,252,773
211 : 3,236,615
212 : 3,291,582
214 : 3,252,774
215 : 3,232,727
3,232,728

Class 49

7 : 3,260,018
14 : 3,269,058
17 : 3,271,901
24 : 3,264,784
26 : 3,264,785
28 : 3,254,450
3,276,164
3,284,950
3,289,350
30 : 3,247,615
38 : 3,280,505
40 : 3,247,616
3,273,285
57 : 3,281,989
59 : 3,293,800
62 : 3,283,443
64 : 3,292,309
70 : 3,264,786
75 : 3,254,451
3,284,951
85 : 3,257,755
87 : 3,287,852
98 : 3,261,128
104 : 3,256,637
107 : 3,247,617
120 : 3,252,253
127 : 3,279,123
130 : 3,280,506
3,280,507
3,293,801
152 : 3,266,189
175 : 3,248,821
179 : 3,287,853
200 : 3,280,508
208 : 3,289,351
210 : 3,252,254
219 : 3,256,638
3,269,059
227 : 3,273,286
237 : 3,263,365
251 : 3,267,611
252 : 3,258,874
257 : 3,270,462
264 : 3,257,756
3,269,060
276 : 3,256,639
280 : 3,274,732
306 : 3,281,990
314 : 3,263,366
316 : 3,267,612
318 : 3,252,255
322 : 3,276,165
324 : 3,262,226
326 : 3,269,061
341 : 3,250,038
349 : 3,263,367
351 : 3,252,256
352 : 3,280,509
3,281,991
354 : 3,262,227
357 : 3,257,757
360 : 3,284,952
363 : 3,255,553
371 : 3,256,640
375 : 3,264,032
379 : 3,258,875
380 : 3,250,039
382 : 3,263,368

384 : 3,286,404
386 : 3,254,452
387 : 3,274,733
394 : 3,263,351
396 : 3,281,992
397 : 3,263,369
3,266,192
3,239,966
401 : 3,280,510
403 : 3,290,823
404 : 3,253,366
410 : 3,276,166
411 : 3,261,129
419 : 3,256,641
420 : 3,283,444
3,284,953
3,290,824
421 : 3,293,802
423 : 3,284,954
425 : 3,248,822
3,281,993
431 : 3,290,825
439 : 3,253,367
440 : 3,290,826
441 : 3,258,876
3,286,389
446 : 3,280,511
449 : 3,255,554
3,267,613
463 : 3,257,758
3,286,405
468 : 3,273,287
469 : 3,261,130
477 : 3,284,955
479 : 3,279,124
482 : 3,250,040
3,254,453
483 : 3,271,902
485 : 3,276,167
3,289,352
488 : 3,267,614
489 : 3,266,190
493 : 3,284,956
495 : 3,284,957
501 : 3,250,041
3,263,370
3,287,854
502 : 3,258,877
503 : 3,274,734
3,287,855
3,289,353
3,293,803
504 : 3,254,592
3,266,191
3,274,735
3,287,856
3,287,857
505 : 3,269,062

Class 51

5 : 3,228,145
3,230,668
3,247,618
7 : 3,230,669
3,246,429
8 : 3,228,146
3,267,615
3,270,463
3,271,903
3,286,406
9 : 3,241,265
3,241,266
3,242,615
3,242,616
3,243,920
3,262,228
3,277,608
3,287,858
3,290,827
11 : 3,228,147
3,256,642
3,276,168
12 : 3,266,193
13 : 3,279,125
14 : 3,284,958
15 : 3,270,464
33 : 3,245,176
3,253,368
3,286,407
3,289,355
34 : 3,232,008
3,263,371
37 : 3,264,787
43 : 3,237,347
48 : 3,269,063
3,269,064
56 : 3,254,454
58 : 3,239,964
3,242,617
72 : 3,273,288
73 : 3,232,009
3,283,445
3,290,828

74 : 3,237,348
78 : 3,277,609
80 : 3,228,148
3,229,422
3,258,878
92 : 3,239,965
3,239,966
3,281,994
94 : 3,266,194
95 : 3,267,616
96 : 3,234,693
97 : 3,266,195
98 : 3,270,465
3,271,904
3,283,446
100 : 3,239,967
3,251,157
3,290,829
101 : 3,247,619
3,271,905
102 : 3,271,906
103 : 3,290,830
105 : 3,233,368
3,247,620
3,262,229
3,267,617
3,274,736
3,279,126
3,286,408
106 : 3,290,831
108 : 3,284,959
109 : 3,243,921
110 : 3,233,369
3,236,009
112 : 3,238,672
116 : 3,250,042
118 : 3,292,310
119 : 3,277,610
120 : 3,284,960
3,287,859
122 : 3,230,670
123 : 3,263,372
124 : 3,258,879
3,279,127
125.5 : 3,258,880
127 : 3,273,289
128 : 3,238,673
3,293,804
129 : 3,267,618
131 : 3,233,370
3,274,737
134.5 : 3,247,621
.5 : 3,248,823
.5 : 3,250,043
135 : 3,266,196
137 : 3,266,197
138 : 3,229,423
139 : 3,269,065
141 : 3,226,884
3,250,044
3,271,907
3,284,961
148 : 3,229,424
3,267,619
3,280,513
158 : 3,266,198
163 : 3,238,674
3,239,968
3,253,369
3,263,373
3,267,620
3,276,169
164 : 3,256,643
165 : 3,238,675
3,247,622
3,263,374
3,264,788
3,271,908
3,271,909
3,271,910
3,273,290
3,274,738
3,280,512
3,281,995
3,286,409
3,286,410
3,287,860
3,289,356
3,289,357
3,290,832
3,290,833

206 : 3,262,231
3,271,911
3,283,448
3,290,834
3,292,311
.4 : 3,277,611
207 : 3,256,646
209 : 3,248,824
3,250,045
3,290,835
211 : 3,229,425
3,280,514
214 : 3,229,426
3,254,456
215 : 3,226,886
3,239,969
3,261,131
216 : 3,271,912
3,273,291
217 : 3,247,624
3,262,232
3,263,375
3,284,962
218 : 3,289,358
232 : 3,279,128
237 : 3,273,292
3,279,129
241 : 3,229,427
3,229,428
3,289,359
243 : 3,228,149
249 : 3,233,371
3,258,881
262 : 3,273,293
267 : 3,256,647
273 : 3,256,648
277 : 3,226,887
3,277,612
281 : 3,232,010
3,247,625
3,248,825
3,250,046
3,260,019
3,262,233
3,277,613
3,292,312
283 : 3,228,150
3,236,010
3,243,922
3,247,626
3,263,376
290 : 3,237,350
293 : 3,249,410
3,260,582
3,261,675
3,291,583
3,293,012
3,294,502
295 : 3,248,189
3,256,075
3,256,076
3,256,077
3,288,579
296 : 3,252,775
3,273,984
297 : 3,284,178
298 : 3,228,759
3,232,729
3,240,579
3,246,969
3,246,970
3,266,878
3,269,813
3,276,852
304 : 3,265,475
3,282,665
307 : 3,233,988
3,269,814
3,286,411
308 : 3,262,766
309 : 3,239,321
3,240,580
3,288,580
312 : 3,267,621
313 : 3,230,671
3,233,372
3,239,970
316 : 3,248,826
317 : 3,290,836
319 : 3,257,759
3,269,066
3,283,450
320 : 3,237,351
3,262,234
3,293,806
321 : 3,242,618

Class 51 —Con.

323 : 3,266,199
336 : 3,241,267
356 : 3,243,924
358 : 3,241,268
3,250,047
3,270,467
3,270,468
3,280,516
362 : 3,226,888
368 : 3,234,694
372 : 3,243,925
373 : 3,232,011
375 : 3,287,863
377 : 3,266,200
378 : 3,258,882
379 : 3,239,971
380 : 3,283,451
384 : 3,267,622
390 : 3,279,130
392 : Re.26,039
394 : 3,263,377
400 : 3,262,235
3,280,517
3,284,963
402 : 3,246,430
404 : 3,230,672
406 : 3,267,623

Class 52

1 : 3,232,012
3,235,040
3,245,177
3,251,158
2 : 3,229,429
3,241,269
3,247,627
3,254,457
3,256,649
3,258,883
3,260,020
3,270,469
3,277,614
3,277,615
3,284,964
3,284,965
6 : 3,247,628
3,258,884
3,293,807
9 : 3,241,270
11 : 3,248,827
3,261,132
14 : 3,264,790
16 : 3,271,913
3,284,966
3,286,413
18 : 3,266,201
3,289,360
19 : 3,261,133
20 : 3,251,159
3,263,378
22 : 3,233,373
24 : 3,289,361
27 : 3,248,828
3,260,021
29 : 3,283,452
30 : 3,226,889
3,290,837
31 : 3,277,616
35 : 3,277,617
36 : 3,233,374
3,271,914
3,279,131
39 : 3,266,202
53 : 3,263,379
57 : 3,281,997
58 : 3,241,271
3,256,650
3,262,236
3,277,618
3,284,967
60 : 3,237,352
62 : 3,241,272
63 : 3,241,273
64 : 3,228,151
3,234,695
3,242,619
3,251,160
3,258,885
3,258,886
3,263,380
65 : 3,245,178
3,246,431
3,248,829
66 : 3,226,890
3,234,696
3,261,134
3,281,998
3,286,414
67 : 3,248,830
68 : 3,257,760
70 : 3,231,942
72 : 3,277,619
73 : 3,226,891
3,232,013
3,242,620
3,256,651
3,279,132
3,283,453
3,284,968
3,289,363
74 : 3,292,313
75 : 3,234,697
78 : 3,228,152
79 : 3,230,673
3,256,652
3,292,314
3,254,488
80 : 3,226,892
3,232,014
3,245,179
3,266,203
3,280,518
3,284,969
3,284,970
3,292,315
81 : 3,254,459
3,255,556
3,255,557
3,287,864
3,292,316
3,292,317
82 : 3,270,470
3,277,620
3,281,999
83 : 3,241,274
86 : 3,241,275
3,242,621
3,247,629
3,253,371
3,260,022
3,276,171
3,277,621
3,286,415
89 : 3,256,653
90 : 3,263,381
92 : 3,289,362
3,293,808
94 : Re.26,056
3,236,011
3,242,622
3,243,926
3,254,460
95 : 3,256,654
98 : 3,238,677
3,246,432
3,246,433
3,258,887
3,292,318
99 : 3,239,972
100 : 3,266,051
3,267,624
3,284,971
101 : 3,282,000
3,292,319
103 : 3,279,133
108 : 3,234,698
111 : 3,263,382
3,267,625
3,282,001
114 : 3,283,454
116 : 3,237,353
3,245,180
3,262,237
3,280,519
3,280,520
117 : 3,289,364
118 : 3,233,375
3,237,354
3,284,972
119 : 3,292,320
121 : 3,248,831
122 : 3,245,181
3,271,915
3,280,521
3,292,321
3,292,322
126 : 3,257,761
3,279,134
127 : 3,230,674
3,256,655
3,261,135
3,276,172
3,279,135
3,280,522
136 : 3,287,865
141 : 3,273,294
143 : 3,247,630
3,263,383
144 : 3,239,973
145 : 3,267,626
147 : 3,251,161
148 : 3,237,355
3,256,656
153 : 3,286,416
155 : 3,238,678
3,242,623
3,284,973
156 : 3,228,153
157 : 3,293,809
160 : 3,239,974
162 : 3,282,002
164 : 3,276,173
3,279,136
167 : 3,232,015
169 : 3,239,975
3,242,624
3,243,927
3,246,434
3,274,739
3,287,866
172 : 3,280,523
173 : 3,226,893
3,230,675
3,234,699
3,241,276
3,247,631
3,252,257
3,263,384
3,266,204
3,280,524
3,289,365
3,290,838
174 : 3,289,366
175 : 3,232,016
3,266,205
179 : 3,287,867
181 : 3,260,023
183 : 3,229,430
184 : 3,236,012
185 : 3,228,154
188 : 3,290,839
191 : 3,289,367
197 : 3,292,324
200 : 3,247,632
202 : 3,239,976
3,243,928
204 : 3,230,676
3,239,977
3,247,633
3,252,258
3,254,461
3,283,455
3,284,974
3,286,417
205 : 3,236,013
206 : 3,228,155
208 : 3,230,677
3,241,277
3,245,182
3,274,740
4 : 3,228,156
209 : 3,248,832
211 : 3,248,833
3,250,049
3,276,174
213 : 3,238,679
216 : 3,269,067
217 : 3,269,068
220 : 3,237,356
3,282,003
3,287,868
3,289,368
221 : 3,262,238
3,264,791
222 : 3,228,159
3,247,634
3,254,462
3,277,622
223 : 3,226,894
3,237,357
3,247,635
3,251,162
3,255,558
3,260,024
3,270,471
3,273,295
3,286,418
3,290,840
3,293,811
224 : 3,237,358
3,241,278
3,280,525
225 : 3,286,419
226 : 3,230,678
227 : 3,256,657
3,269,069
3,292,325
228 : 3,260,025
229 : 3,283,457
232 : 3,237,359
3,255,559
3,292,326
233 : 3,257,762
234 : 3,231,943
3,239,979
3,243,929
235 : 3,235,039
236 : 3,229,431
236 : 3,254,458
3,292,327
237 : 3,255,560
238 : 3,292,328
3,293,812
3,293,813
239 : 3,228,157
3,257,763
3,276,175
240 : 3,280,526
241 : 3,286,420
242 : 3,228,160
3,274,741
243 : 3,245,183
245 : 3,253,372
3,274,742
248 : 3,226,895
249 : 3,226,896
3,269,070
250 : 3,254,463
3,286,421
251 : 3,258,888
3,292,329
3,293,814
252 : 3,257,764
255 : 3,255,561
259 : 3,238,680
260 : 3,283,458
262 : 3,246,435
263 : 3,283,459
264 : 3,233,376
269 : 3,282,004
270 : 3,236,014
3,287,869
274 : 3,283,460
275 : 3,279,137
281 : 3,245,184
282 : 3,239,980
3,251,163
283 : 3,251,164
284 : 3,234,700
3,274,743
285 : 3,228,161
287 : 3,286,422
3,293,815
288 : 3,273,296
3,286,423
291 : 3,286,424
292 : 3,253,373
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3,293,833
501 : 3,293,834
505 : 3,266,229
507 : 3,273,327
510 : 3,238,707
511 : 3,292,349
519 : 3,237,387
524 : 3,241,298

Class 56

1 : 3,233,393
3,233,394
3,262,253
3,269,098
3,269,099
3,274,761
3,280,543
3,292,350
6 : 3,236,034
3,247,653
3,262,254
3,267,651
3,267,652
9 : 3,238,708
3,286,447
10 : 3,229,451
3,257,785
11 : 3,267,653
18 : 3,241,299
19 : 3,228,176
3,236,035
3,282,036
20 : 3,226,918
3,242,657
3,258,901
21 : 3,245,208
3,270,489
22 : 3,242,658
23 : 3,230,694
3,241,300
3,241,301
3,263,405
3,283,485
3,293,835
25 : 3,234,718
3,236,036
3,242,659

Class 56 —Con.

25 : 3,250,064
3,258,902
.4 : 3,228,177
.4 : 3,229,452
.4 : 3,230,695
.4 : 3,234,719
.4 : 3,236,037
.4 : 3,241,302
.4 : 3,242,660
.4 : 3,245,209
.4 : 3,246,458
.4 : 3,247,654
.4 : 3,248,863
.4 : 3,253,391
.4 : 3,254,481
.4 : 3,258,577
.4 : 3,256,681
.4 : 3,261,150
.4 : 3,263,406
.4 : 3,264,807
.4 : 3,269,100
.4 : 3,274,762
.4 : 3,283,486
.4 : 3,290,871
.4 : 3,292,351
.4 : 3,293,836
26 : 3,248,864
3,267,654
3,271,939
27 : 3,226,919
28 : 3,241,303
3,257,786
3,270,490
41 : 3,256,682
3,260,040
3,277,639
3,292,352
44 : 3,245,210
105 : 3,271,940
107 : 3,262,255
119 : 3,260,041
121.45: 3,257,787
192 : 3,233,395
202 : 3,230,696
3,246,459
3,257,788
3,269,101
208 : 3,238,709
3,266,230
3,286,448
214 : 3,228,178
3,264,808
222 : 3,283,487
228 : 3,279,158
235 : 3,246,460
246 : 3,238,710
249 : 3,260,042
255 : 3,226,920
3,247,655
289 : 3,252,276
291 : 3,237,388
294 : 3,261,151
3,292,353
296 : 3,243,944
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3,283,488
296 : 3,257,789
297 : 3,246,461
298 : 3,284,994
328 : 3,233,396
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3,253,392
3,261,152
329 : 3,240,004
3,250,065
330 : 3,229,453
3,245,211
3,255,578
3,276,194
332 : 3,232,034
345 : 3,252,277
364 : 3,226,921
3,229,454
3,232,035
3,236,038
3,267,655
366 : 3,243,945
370 : 3,267,656
376 : 3,237,390
377 : 3,228,179
3,243,946
3,243,947
3,245,212
3,279,160
386 : 3,240,005
400 : 3,226,922
3,253,393
3,253,394

400 : 3,253,395
3,261,153
.05: 3,234,720
.12: 3,264,809
.16: 3,264,810
.18: 3,258,903
503 : Re.25,991

Class 57

3 : 3,284,995
6 : 3,280,544
11 : 3,262,256
12 : 3,255,579
3,286,449
13 : 3,233,397
3,234,721
3,269,102
3,293,837
15 : 3,251,178
3,271,941
18 : 3,236,039
3,237,391
3,242,661
3,282,037
19 : 3,287,887
32 : 3,247,659
34 : 3,241,304
3,253,896
3,253,397
3,258,904
3,261,116
3,261,154
3,261,155
3,261,156
3,263,407
3,263,408
3,273,328
3,283,489
3,289,400
3,292,354
3,293,838
45 : 3,247,660
3,257,790
3,279,161
3,287,888
51 : 3,264,811
3,276,195
3,276,196
53 : 3,245,214
3,247,661
3,266,231
3,280,545
3,287,899
3,290,872
3,292,355
54 : 3,256,683
58.3 : 3,286,450
.3 : 3,290,873
.32: 3,271,942
.32: 3,286,451
.34: 3,258,905
.49: 3,279,162
.52: 3,238,711
.76: 3,264,812
.76: 3,264,813
.83: 3,276,197
.86: 3,293,839
.95: 3,254,482
59 : 3,292,356
62 : 3,277,640
66.5 : 3,251,179
77.3 : 3,232,036
.33: 3,283,490
.4 : 3,287,890
.45: 3,232,037
.45: 3,264,814
.45: 3,267,657
.45: 3,270,491
.45: 3,292,357
79 : 3,242,662
81 : 3,247,662
84 : 3,260,043
88 : 3,226,923
3,256,684
3,269,103
89 : 3,251,180
3,292,358
99 : 3,245,215
3,287,891
102 : 3,283,491
103 : 3,233,398
106 : 3,269,104
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119 : 3,236,040
120 : 3,293,840
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125 : 3,226,924
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130 : 3,293,842
137 : 3,253,398
139 : 3,257,792
140 : 3,233,399

140 : 3,241,305
3,251,181
3,255,580
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142 : 3,274,764
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144 : 3,274,765
3,280,546
145 : 3,234,722
3,267,658
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149 : 3,234,723
152 : 3,234,724
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153 : 3,252,278
155 : 3,282,038
156 : 3,226,925
3,263,409
3,263,410
3,283,494
157 : 3,228,180
3,228,181
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3,266,232
3,270,492
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3,279,164
3,283,493
3,284,996
3,287,893
3,289,401
3,293,843
3,293,844
159 : 3,273,330
160 : 3,264,816
162 : 3,243,949
163 : 3,234,725
3,243,950
3,257,793
164 : 3,247,663
3,247,664
3,277,642
3,282,039
3,287,894
165 : 3,282,040
573 : 3,284,977

Class 58

2 : 3,262,258
3 : 3,248,866
4 : 3,255,581
3,276,198
21.12: 3,251,182
.15: 3,261,157
.15: 3,264,817
22.5 : 3,264,818
.5 : 3,280,547
.7 : 3,279,167
.7 : 3,282,041
.7 : 3,292,360
23 : 3,243,951
3,250,066
3,257,794
3,261,158
3,269,106
3,277,643
3,277,644
3,282,042
3,283,495
3,286,453
3,293,845
24 : 3,277,645
3,282,043
26 : 3,248,867
33 : 3,252,279
34 : 3,233,400
41 : 3,242,663
3,267,659
3,276,199
42 : 3,286,454
.5 : 3,226,926
.5 : 3,232,038
.5 : 3,279,165
43 : 3,271,945
44 : 3,292,361
50 : 3,258,906
3,273,331
3,276,200
3,284,997
53 : 3,237,393
57 : 3,283,496
3,293,846
.5 : 3,255,582
58 : 3,240,006
3,248,868
3,258,907

59 : 3,238,712
3,286,455
63 : 3,269,107
83 : 3,264,819
85.5 : 3,228,182
.5 : 3,229,455
.5 : 3,262,259
.5 : 3,276,201
.5 : 3,286,456
.5 : 3,287,896
88 : 3,242,664
3,269,108
3,277,646
90 : 3,252,280
3,261,159
3,264,820
3,284,998
91 : 3,292,362
93 : 3,257,795
107 : 3,262,260
109 : 3,241,306
113 : 3,241,307
115 : 3,236,041
3,236,042
3,262,261
3,274,766
116 : 3,286,457
3,287,897
124 : 3,290,874
125 : 3,279,166
3,290,875
140 : 3,237,394
141 : 3,246,462
143 : 3,277,647
144 : 3,230,697
3,240,007
145 : 3,236,043
3,245,216
3,256,685
3,258,908
147 : 3,232,039
148 : 3,233,401
150 : 3,246,463
152 : 3,241,308
3,270,493

Class 59

7 : 3,233,402
74 : 3,286,458
77 : 3,267,660
78.1 : 3,264,821
.1 : 3,282,044
79 : 3,232,040
3,274,767
82 : 3,237,395
84 : 3,280,548
85 : 3,237,396
3,241,309
3,243,952
3,246,464
86 : 3,269,109
3,270,494
93 : 3,282,045

Class 60

1 : 3,280,549
6 : 3,230,698
3,232,041
3,250,067
7 : 3,266,233
10 : 3,261,160
.5 : 3,240,008
.5 : 3,267,663
12 : 3,226,927
3,243,953
13 : Re.26,023
3,229,456
3,232,042
3,232,043
3,232,044
3,233,403
3,237,397
3,238,713
3,242,665
3,250,068
3,257,796
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3,266,234
3,270,495
3,286,459
3,292,364
15 : 3,228,183
3,267,661
16 : 3,253,399
19 : 3,228,184
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3,284,999

19 : 3,285,000
22 : 3,292,365
23 : 3,263,411
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24 : 3,232,045
3,248,870
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25 : 3,256,686
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26 : 3,274,769
.1 : 3,234,727
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.1 : 3,292,363
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27 : 3,251,183
29 : 3,282,046
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30 : 3,228,185
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32 : 3,254,484
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35.3 : 3,234,728
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.4 : 3,230,700
.4 : 3,230,701
.4 : 3,234,729
.4 : 3,236,046
.4 : 3,240,009
.4 : 3,242,667
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.4 : 3,257,801
.4 : 3,257,802
.4 : 3,263,414
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.5 : 3,229,457
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.54: 3,241,312
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.54: 3,245,217
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.54: 3,262,271
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.43: 3,267,671
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51 : 3,228,192
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52 : Re.26,028
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3,230,714
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53 : 3,229,466
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3,252,284
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3,269,122
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3,273,344
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54 : 3,230,716
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.5 : 3,252,285
.5 : 3,253,412
.5 : 3,256,690
.5 : 3,257,809
.5 : 3,257,810
.5 : 3,258,923
.5 : 3,258,924
.5 : 3,263,426
.5 : 3,266,254
.5 : 3,267,677
.5 : 3,276,206
.5 : 3,277,650
.5 : 3,283,504
.5 : 3,283,505
.5 : 3,286,465
.5 : 3,287,909
.5 : 3,290,881
.5 : 3,290,882
.5 : 3,292,369
.5 : 3,292,370
.5 : 3,292,371
.5 : 3,293,849
.6 : 3,228,195
.6 : 3,232,058
.6 : 3,232,059
.6 : 3,233,411
.6 : 3,237,412
.6 : 3,246,473
.6 : 3,247,670
.6 : 3,248,883
.6 : 3,250,074
.6 : 3,251,187
.6 : 3,257,811
.6 : 3,262,273
.6 : 3,269,123
.6 : 3,276,207
.6 : 3,285,010
55 : 3,271,959
3,279,174
3,290,883
57 : 3,263,427
59 : 3,228,196
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3,252,286
3,256,691
3,258,925
3,290,884
3,293,850

60 : 3,228,197
3,236,050
3,256,692
3,263,428
62.5 : 3,263,429
.6 : 3,234,739
64 : 3,236,051
3,237,413
3,274,781
3,293,851
67 : 3,233,412
3,238,729
3,247,671
3,271,960
3,289,408
73 : 3,226,932
3,241,322
3,264,826
3,277,651
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3,280,559
3,292,372
97 : 3,234,740
3,238,730
3,253,413
3,258,926
3,258,927
102 : 3,283,506
104 : 3,242,678
105 : 3,233,413
3,243,961
3,271,961
3,286,466
108 : 3,236,052
3,267,678
202 : 3,279,175
3,279,176
3,286,467
3,293,852
203 : 3,279,177
3,286,468
3,287,910
205 : 3,289,409
3,289,410
208 : Re.26,116
215 : 3,283,507
219 : 3,293,853
220 : 3,287,911
221 : 3,279,178
3,279,179
3,285,011
3,292,373
222 : 3,279,180
223 : 3,283,508
224 : 3,286,469
3,292,374
3,292,375
226 : 3,279,181
3,279,182
3,280,560
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3,283,509
3,290,885
3,290,886
227 : 3,293,854
229 : 3,280,562
3,286,470
3,290,887
3,293,855
230 : 3,279,183
3,279,184
3,282,051
231 : 3,279,185
3,279,186
232 : 3,277,648
3,280,563
237 : 3,289,411
3,293,856
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241 : 3,293,858
244 : 3,280,564
245 : 3,279,187
250 : 3,279,188
3,283,510
251 : 3,289,412
253 : 3,280,566
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3,292,376
254 : 3,286,471
256 : 3,279,189
3,286,472
3,287,912
3,287,913
258 : 3,279,190
3,285,013
3,286,473
260 : 3,286,474
262 : 3,282,052
263 : 3,279,191
3,280,567
3,282,053
3,289,413
3,289,414
3,293,859

263 : 3,293,860
264 : 3,279,192
266 : 3,279,193
3,280,568
270 : 3,279,194
3,280,565
390.3 : 3,266,236

Class 61

.5 : 3,236,053
.5 : 3,253,414
.5 : 3,262,274
.5 : 3,277,654
.5 : 3,283,511
.5 : 3,283,512
.5 : 3,285,014
.5 : 3,287,914
.5 : 3,287,915
.5 : 3,289,416
.5 : 3,292,377
1 : 3,276,208
3,289,415
3,289,417
3,293,861
3 : 3,267,679
4 : 3,280,569
5 : 3,237,414
3,252,287
3,276,209
3,276,210
7 : 3,234,741
9 : 3,287,916
11 : 3,233,414
3,248,888
13 : 3,256,693
3,289,418
3,292,378
15 : 3,252,288
3,252,289
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21 : 3,232,060
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3,293,862
25 : 3,287,917
28 : 3,264,829
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30 : 3,246,474
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35 : 3,245,222
3,248,884
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3,274,783
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3,283,513
36 : 3,243,962
3,245,223
3,252,290
3,260,053
3,267,680
3,271,962
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3,274,785
3,282,055
3,286,475
3,293,863
3,293,864
39 : 3,226,933
3,243,963
3,250,075
3,254,490
3,282,056
41 : 3,230,720
3,250,076
3,267,430
3,293,865
42 : 3,260,054
45 : 3,226,934
3,228,199
3,234,742
3,238,731
3,240,021
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3,241,323
3,243,964
3,248,885
3,270,510
3,280,570
3,283,514
3,285,015
46 : 3,247,672
3,248,886
3,255,591
3,271,963
3,283,515
.5 : Re.26,073
.5 : 3,230,721
.5 : 3,241,324
.5 : 3,246,475
.5 : 3,246,476
.5 : 3,253,417
.5 : 3,271,964

46.5 : 3,276,211
.5 : 3,277,653
.5 : 3,283,516
.5 : 3,289,419
48 : 3,254,491
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49 : 3,226,935
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50 : 3,256,694
51 : 3,269,126
53 : 3,266,255
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.5 : 3,263,431
12 : 3,236,057
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3,283,521
3,290,890
18 : 3,226,936
3,236,058
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3,241,327
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3,251,189
3,260,056
3,261,168
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14 : 3,237,418
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15 : 3,254,496
17 : 3,260,057
18 : 3,254,497
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20 : 3,262,278
3,292,380
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21 : 3,229,471
3,230,724
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3,255,595
3,266,260
22 : 3,258,929
23 : 3,242,681
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3,260,058
3,271,965
3,274,787
3,292,382
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24 : 3,250,080
3,282,060
28 : 3,228,201
3,230,725
3,238,735
3,242,682
3,260,059
3,261,169
29 : 3,257,814
3,258,930
3,267,684
3,270,514
3,277,655
30 : 3,269,130
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3,269,131
3,282,061
38 : 3,233,418
39 : 3,264,830
3,282,062
40 : 3,234,744
3,242,683
3,276,212
42 : 3,233,419
3,256,704
45 : 3,230,726
3,232,065
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3,251,191
3,254,498
3,256,699
3,256,700
3,256,701
3,256,702
3,256,703
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3,270,513
3,273,347
3,280,573
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3,282,064
3,285,016
3,289,423
3,293,870
3,285,017
3,285,018
3,285,019
3,285,020
3,287,923

Class 62

2 : 3,242,679
3,270,512
3 : 3,229,469
3,230,723
3,232,063
3,232,064
3,236,056
3,237,415
3,242,680
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3,282,062
4 : 3,234,744
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42 : 3,233,419
3,254,494
3,255,593
45 : 3,230,726
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3,256,700
3,256,701
3,256,702
3,256,703
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3,289,423
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3,285,019
3,285,020
3,287,923

3 : 3,289,422
3,290,889
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4 : 3,243,966
5 : 3,229,470
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6 : 3,260,055
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9 : 3,237,416
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14 : 3,237,418
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15 : 3,254,496
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18 : 3,254,497
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3,292,381
21 : 3,229,471
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22 : 3,258,929
23 : 3,242,681
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24 : 3,250,080
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28 : 3,228,201
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29 : 3,257,814
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3,269,131
3,282,061
38 : 3,233,418
39 : 3,264,830
3,282,062
40 : 3,234,744
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42 : 3,233,419
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45 : 3,230,726
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3,285,020
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49 : 3,273,348
3,276,214
50 : 3,234,745
3,273,349
3,292,383
51 : 3,269,133
3,271,967
3,287,925
52 : 3,232,066
3,241,329
3,253,418
3,260,061
3,263,433
3,264,833
3,266,261
3,293,871
53 : 3,229,472
54 : 3,260,062
3,266,262
3,280,575
55 : 3,229,473
3,234,746
3,255,597
3,256,705
3,289,424
.5 : 3,252,291
.5 : 3,256,706
.5 : 3,263,434
.5 : 3,279,199
.5 : 3,279,214
56 : 3,232,067
3,232,068
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57 : 3,257,815
58 : 3,232,069
3,233,420
3,234,747
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3,240,025
3,243,968
3,248,890
3,250,081
3,251,192
3,251,193
3,253,419
3,255,598
3,261,170
3,266,263
3,267,686
3,269,134
3,279,200
3,240,026
3,255,599
3,277,656
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3,283,523
3,286,477
3,292,384
3,285,025
3,285,026
3,285,027
3,290,891
59 : 3,271,968
62 : 3,279,201
63 : 3,233,421
3,238,736
3,240,026
3,255,599
3,277,656
3,277,657
3,283,523
3,286,477
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3,285,026
3,285,027
3,290,891
59 : 3,271,968
62 : 3,279,201
63 : 3,233,421
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3,286,477
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3,285,026
3,285,027
3,290,891
64 : 3,258,931
65 : 3,242,684
66 : 3,242,685
3,251,194
68 : 3,289,425
69 : 3,255,600
71 : 3,228,202
3,287,926
72 : 3,253,420
77 : 3,237,420
3,243,969
3,252,292
3,289,426
80 : 3,257,816
84 : 3,250,082
3,263,435
3,276,215
3,280,576
85 : 3,274,789
3,276,216
86 : 3,247,676
87 : 3,261,171
3,277,658
3,285,028
88 : 3,237,421
93 : 3,258,932
3,270,515
98 : 3,257,817
3,257,818
3,258,933
3,269,135
3,271,969
100 : 3,263,436

Class 62 —Con.

101 : 3,241,330
3,263,437
3,264,835
3,270,516
3,273,350
3,276,217
3,279,202
3,289,427
3,292,385
103 : 3,273,351
3,279,203
104 : 3,248,891
3,254,499
3,279,204
114 : 3,277,659
115 : 3,255,601
3,262,281
3,264,836
3,270,517
3,283,524
116 : 3,276,218
3,277,660
117 : 3,241,331
3,261,172
3,264,837
123 : 3,255,602
3,255,603
3,255,604
3,255,605
3,266,264
3,269,136
3,292,386
3,293,872
124 : 3,254,500
126 : 3,234,748
3,240,027
3,260,063
3,280,577
127 : 3,269,137
128 : 3,250,083
129 : 3,234,749
134 : 3,283,525
135 : 3,228,203
3,236,060
3,252,293
3,269,138
3,274,790
3,277,661
3,279,205
3,283,526
3,285,029
3,286,478
3,287,927
137 : 3,234,750
3,269,139
3,274,791
3,280,578
3,290,892
138 : 3,247,677
3,254,501
3,274,792
139 : 3,251,195
140 : 3,228,204
3,229,474
3,256,707
3,282,065
141 : 3,262,282
3,279,206
3,279,207
3,287,928
3,293,873
148 : 3,253,421
149 : 3,232,070
3,237,422
3,264,838
3,289,428
151 : 3,274,793
155 : 3,230,728
3,233,422
3,273,352
3,277,662
156 : 3,240,028
3,248,892
3,248,893
3,248,894
3,261,173
3,280,579
157 : 3,226,937
3,248,895
158 : 3,251,196
3,292,387
160 : 3,264,839
168 : 3,267,687
173 : 3,264,840
3,293,874
174 : 3,226,938
3,238,737
3,261,174
177 : 3,226,939
179 : 3,255,606
180 : 3,276,219
3,276,220
180 : 3,293,875
183 : Re.25,990
3,234,751
3,263,438
3,283,527
3,289,429
184 : 3,242,686
3,293,876
185 : 3,267,688
186 : 3,286,479
187 : 3,283,528
3,290,893
188 : 3,286,480
3,289,430
192 : 3,234,752
195 : 3,230,729
196 : 3,234,753
3,238,738
3,256,708
3,264,841
197 : 3,230,730
3,243,970
3,258,934
3,261,175
3,276,221
3,285,030
199 : 3,226,940
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3,257,819
201 : 3,248,896
202 : 3,286,481
207 : 3,232,071
3,252,294
209 : 3,252,295
3,260,064
210 : 3,252,296
212 : 3,250,084
214 : 3,242,687
216 : 3,290,894
217 : 3,226,941
3,242,688
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218 : 3,280,589
3,286,482
222 : 3,226,942
223 : 3,257,820
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3,271,970
3,293,877
225 : 3,252,297
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227 : 3,226,943
3,253,422
228 : 3,241,332
3,263,439
3,271,971
233 : 3,226,944
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237 : 3,228,205
238 : 3,230,731
239 : 3,245,224
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240 : 3,260,065
3,261,176
255 : 3,230,732
3,293,878
256 : 3,226,945
3,229,475
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3,233,423
3,243,971
3,250,085
3,256,709
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3,289,432
257 : 3,254,502
259 : 3,248,897
262 : 3,237,423
3,264,843
3,271,972
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3,289,433
263 : 3,270,518
266 : 3,282,067
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267 : 3,229,476
268 : 3,277,664
271 : 3,226,946
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272 : 3,289,434
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273 : 3,240,029
275 : 3,254,503
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276 : 3,247,680
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277 : 3,267,689
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278 : 3,234,754
278 : 3,280,582
282 : 3,237,424
283 : 3,233,424
285 : 3,236,061
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288 : 3,263,440
294 : 3,269,141
297 : 3,261,177
298 : 3,230,734
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299 : 3,251,197
303 : 3,226,947
309 : 3,230,735
316 : 3,279,208
317 : 3,226,948
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320 : 3,245,225
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322 : 3,228,206
323 : 3,252,298
324 : 3,246,482
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498 : 3,242,689
505 : 3,232,074
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506 : 3,229,479
510 : 3,226,949
511 : 3,274,797
514 : 3,256,712
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3,273,356
3,280,593
515 : 3,230,736
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525 : 3,234,755
527 : 3,267,693

Class 63

1 : 3,270,525
3,271,977
4 : 3,269,145
12 : 3,260,068
14 : 3,234,756
3,267,694
15 : 3,255,611
3,261,181
.6 : 3,237,426
.6 : 3,238,741
.65 : 3,228,208
.65 : 3,236,065
.7 : 3,263,444
23 : 3,247,683
29 : 3,242,690
32 : 3,286,486

Class 64

1 : 3,237,427
3,237,428
3,251,199
3,254,508
3,256,713
3,267,695
3,269,146
3,274,798
3,286,487
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2 : 3,260,069
3 : 3,242,691
4 : 3,234,757
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5 : 3,248,899
7 : 3,229,481
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8 : 3,226,950
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9 : 3,232,075
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11 : 3,232,076
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11 : 3,283,534
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12 : 3,238,743
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14 : 3,257,825
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15 : 3,233,428
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17 : 3,241,336
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19 : 3,242,693
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21 : 3,260,070
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23 : 3,230,740
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.5 : 3,255,612
24 : 3,266,270
25 : 3,258,937
26 : 3,263,449
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27 : 3,232,077
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29 : 3,228,209
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30 : 3,226,951
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32 : 3,260,071

Class 65

1 : 3,248,190
3,248,191
3,265,476
3,265,477
3,272,609
3,278,282
3,285,720
3,294,503
2 : 3,232,730
3,245,767
3,251,665
3,256,078
3,256,079
3,257,181
3,264,076
3,265,478
3,269,816
3,273,985
3,285,721
3,287,095
3,288,581
3,293,013
3 : 3,231,349
3,241,934
3,249,411
3,249,412
3 : 3,253,896
3,259,479
3,265,479
3,268,312
3,271,122
3,281,223
3,284,179
3,287,096
3,288,582
3,294,504
4 : 3,227,535
3,265,480
3,269,817
3,275,428
3,278,283
3,279,902
3,279,903
3,282,666
5 : 3,236,616
3,248,192
3,268,313
6 : 3,233,989
3,233,990
3,254,977
3,257,182
3,257,183
3,273,358
8 : 3,250,602
3,252,776
3,282,667
9 : 3,265,481
3,265,482
11 : 3,233,991
3,254,978
3,268,314
3,279,904
3,281,224
3,288,583
3,291,584
12 : 3,252,777
3,282,668
3,284,180
14 : 3,227,536
3,235,349
3,238,028
3,251,666
3,265,483
15 : 3,233,992
3,238,029
3,245,768
3,246,971
3,285,722
3,285,723
16 : 3,249,413
3,285,724
17 : 3,294,505
18 : 3,246,972
3,261,676
3,291,585
21 : 3,243,273
3,254,979
3,266,879
3,278,284
3,279,905
3,293,014
22 : 3,250,603
3,288,584
23 : 3,243,274
24 : 3,264,077
25 : 3,264,078
3,293,015
27 : 3,232,731
3,238,030
3,240,581
3,245,769
3,294,506
28 : 3,246,973
3,259,480
29 : 3,264,079
3,294,507
30 : 3,239,322
3,281,225
3,293,016
31 : 3,262,767
3,284,181
32 : 3,228,760
3,228,761
3,230,060
3,239,323
3,248,193
3,250,604
3,251,667
3,285,725
3,290,132
33 : 3,241,935
3,252,778
3,268,315
3,272,610
3,291,586
34 : 3,232,732
3,260,583
37 : 3,288,585
39 : 3,248,194
3,294,508

160 : 3,249,415
3,268,319
3,271,126
161 : 3,244,495
162 : 3,239,325
3,244,496
3,244,497
3,257,188
3,265,486
3,285,728
167 : 3,231,355
3,258,322
3,281,228
170 : 3,278,286
3,284,182
178 : 3,236,618
3,268,320
3,294,512
181 : 3,249,416
3,290,135
182 : 3,248,197
3,281,229
3,291,590
183 : 3,268,321
184 : 3,231,356
3,233,997
3,236,619
3,256,081
185 : 3,275,429
187 : 3,245,773
3,269,821
191 : 3,240,583
193 : 3,232,733
3,238,032
194 : 3,294,513
196 : 3,257,189
3,294,514
199 : 3,294,515
202 : 3,273,990
203 : 3,232,734
3,241,940
204 : 3,230,065
3,238,033
3,256,062
3,275,430
207 : 3,271,127
229 : 3,272,612
235 : 3,241,941
238 : 3,235,352
245 : 3,248,198
261 : 3,281,230
262 : 3,235,353
3,236,620
263 : 3,252,782
268 : 3,279,906
270 : 3,265,487
273 : 3,294,516
275 : 3,290,136
285 : 3,243,278
287 : 3,230,066
3,253,898
3,278,289
288 : 3,236,621
3,264,082
3,265,488
3,269,822
3,281,231
289 : 3,227,538
3,253,899
290 : 3,230,067
3,238,034
3,248,199
3,248,200
3,248,201
291 : 3,233,998
3,248,202
3,251,672
3,265,489
3,281,232
3,284,183
292 : 3,227,539
299 : 3,290,137
302 : 3,293,024
307 : 3,273,991
319 : 3,282,671
323 : 3,268,322
3,278,290
325 : 3,231,357
326 : 3,248,203
330 : 3,239,326
3,248,204
334 : 3,239,327
335 : 3,248,205
3,249,417
337 : 3,240,584
346 : 3,261,677
3,294,517
347 : 3,244,498
3,248,206
348 : 3,227,540
3,294,518
3,294,519
349 : 3,258,323
350 : 3,259,481
355 : 3,235,354
356 : 3,249,418
359 : 3,233,999
3,244,499
3,251,673
3,254,981
362 : 3,258,324
374 : 3,233,993

Class 66

1 : 3,234,759
.5 : 3,248,901
8 : 3,230,742
3,273,359
9 : Re.26,015
3,226,952
3,248,902
3,269,147
3,280,594
14 : 3,252,305
3,261,183
3,277,672
3,283,539
15 : 3,228,211
19 : 3,237,430
20 : 3,240,032
28 : 3,230,743
3,256,714
36 : 3,283,540
38 : 3,257,828
41 : 3,237,431
3,254,509
42 : 3,226,953
3,247,684
3,250,091
3,250,092
3,260,072
43 : 3,233,430
3,247,685
46 : 3,256,715
48 : 3,269,148
3,292,392
50 : 3,229,482
3,245,231
3,246,486
3,246,487
3,260,073
3,268,748
3,250,095
3,263,453
3,274,800
3,283,541
3,289,437
3,290,898
3,292,393
54 : 3,256,716
3,256,717
3,240,033
57 : 3,234,760
60 : 3,250,093
70 : 3,248,903
82 : 3,287,936
84 : 3,253,426
85 : 3,230,744
86 : 3,233,431
3,236,067
3,247,686
3,260,074
3,277,673
3,279,219
89 : 3,252,306
3,262,286
90 : 3,262,287
93 : 3,241,337
96 : 3,242,697
3,246,488
3,256,718
3,290,899
102 : 3,229,483
107 : 3,293,885
108 : 3,238,746
3,283,542
3,293,886
3,293,887
109 : 3,289,438
111 : 3,236,068
115 : 3,290,900
117 : 3,228,212
3,280,595
118 : 3,229,484
119 : 3,258,938
120 : 3,229,485
122 : 3,253,427
125 : 3,226,954
3,226,955
3,226,956
3,237,432
3,242,698
3,274,801
126 : 3,253,428
128 : 3,247,687
130 : 3,241,338
3,290,901
132 : 3,243,975
3,263,454
3,264,845
3,283,543
3,290,902
134 : 3,246,489
3,252,307
3,257,829
138 : 3,274,802
140 : 3,234,761
3,271,979
3,283,544
141 : 3,270,527
145 : 3,228,213
3,232,078
146 : 3,241,339
147 : 3,248,904
3,282,070
148 : 3,243,976
149 : 3,250,094
3,253,429
3,267,698
3,269,150
3,273,360
3,292,394
154 : 3,232,079
3,292,395
155 : 3,290,903
156 : 3,269,149
163 : 3,256,719
166 : 3,276,227
168 : 3,269,151
3,274,803
169 : 3,236,069
3,282,071
170 : 3,236,070
171 : 3,274,804
3,287,937
172 : 3,255,613
3,262,288
3,270,526
174 : 3,258,939
3,258,940
176 : 3,226,957
3,233,432
3,238,747
177 : 3,283,545
178 : 3,238,748
3,250,095
185 : 3,228,198
3,228,214
3,241,340
187 : 3,279,220
190 : 3,287,938
192 : 3,232,080
3,248,905
3,251,201
3,255,614
3,274,805
3,274,806
3,279,221
193 : 3,241,341
3,242,699
3,258,941
3,258,942
194 : 3,255,615
195 : 3,254,510
196 : 3,264,846
200 : 3,290,904
202 : 3,226,958
3,286,490

Class 67

7.1 : 3,228,215
.1 : 3,229,486
.1 : 3,233,433
.1 : 3,234,762
.1 : 3,236,071
.1 : 3,240,034
.1 : 3,241,342
.1 : 3,242,700
.1 : 3,245,232
.1 : 3,245,233
.1 : 3,245,234
.1 : 3,246,490
.1 : 3,247,688
.1 : 3,248,906
.1 : 3,251,202
.1 : 3,251,203
.1 : 3,253,430
.1 : 3,254,511
.1 : 3,262,289
.1 : 3,263,455
.1 : 3,263,456
.1 : 3,270,528
.1 : 3,277,674
.1 : 3,280,596
.1 : 3,280,597
.1 : 3,280,598
.1 : 3,280,599
.1 : 3,280,600
.1 : 3,286,491
.1 : 3,287,939
7.1 : 3,290,905
.1 : 3,292,396
21 : 3,248,907
3,260,075
3,286,492
22 : 3,266,272
.5 : 3,254,512
.5 : 3,283,546
27 : 3,240,035
31 : 3,228,216
3,238,749
3,242,701
3,263,457
3,280,601
3,285,035
3,290,906
33 : 3,271,980
34 : 3,260,076
38 : 3,240,036
53 : 3,236,072
3,293,888
55 : 3,262,290
80 : 3,290,907
81 : 3,279,222
87 : 3,267,699
3,267,700
116 : 3,252,308

Class 68

4 : 3,269,152
5 : 3,230,745
3,240,037
3,241,343
3,242,702
3,250,096
3,255,616
3,286,493
12 : 3,226,959
3,233,434
3,236,073
3,246,491
3,246,492
3,248,908
3,248,909
3,248,910
3,250,097
3,253,431
3,254,513
3,256,720
3,260,077
3,266,273
3,267,701
3,267,702
3,269,153
3,269,154
3,273,361
3,274,807
3,279,223
3,282,072
3,283,547
3,283,548
3,285,036
3,293,889
13 : 3,248,911
15 : 3,233,435
3,285,037
3,289,439
17 : 3,245,235
3,248,912
3,290,908
18 : 3,232,081
3,246,493
3,250,098
3,266,274
3,269,155
3,270,529
3,270,530
3,270,531
3,280,602
3,282,073
3,287,940
19 : 3,285,038
3,292,397
20 : 3,238,750
3,252,309
3,258,943
3,287,941
21 : 3,293,890
22 : 3,237,433
3,253,432
3,253,833
3,261,184
3,263,458
23 : 3,242,703
3,246,494
3,247,689
3,252,310
3,263,459
3,264,847
3,267,703
3,274,808
3,279,224
3,287,942
23 : 3,290,909
24 : 3,226,960
3,230,746
3,240,038
27 : 3,247,690
43 : 3,230,747
45 : 3,270,532
58 : 3,293,891
62 : 3,250,099
3,267,704
3,285,039
89 : 3,276,228
133 : 3,233,436
3,248,913
3,257,830
134 : 3,285,040
139 : 3,226,961
3,243,977
3,276,229
3,280,603
140 : 3,230,748
3,253,434
146 : 3,280,604
150 : 3,233,437
3,262,291
152 : 3,292,398
156 : 3,277,675
175 : 3,255,617
177 : 3,226,962
3,243,978
181 : 3,253,435
3,279,225
3,285,041
189 : 3,289,440
198 : 3,232,082
3,253,436
200 : 3,253,437
202 : 3,260,078
207 : 3,248,914
3,285,042
208 : 3,238,751
210 : 3,264,848
213 : 3,254,514
3,261,185
214 : 3,269,156
3,280,605
241 : 3,256,721
242 : 3,269,157
244 : 3,270,533
253 : 3,252,311
3,263,460
256 : 3,264,849
258 : 3,254,515

Class 69

6.5 : 3,233,438
.5 : 3,267,705
.5 : 3,289,441
19.3 : 3,271,981
21 : 3,236,074
34 : 3,256,722
42 : 3,276,230

Class 70

14 : 3,262,292
25 : 3,256,723
3,260,079
3,270,534
38 : 3,254,516
58 : 3,228,217
3,242,704
3,277,676
3,287,943
63 : 3,236,075
68 : 3,270,535
70 : 3,266,275
71 : 3,240,039
3,242,705
3,245,236
3,279,226
89 : 3,270,536
90 : 3,277,677
91 : 3,280,606
92 : 3,271,982
97 : 3,254,517
100 : 3,292,399
107 : 3,254,518
110 : 3,242,706
2.2 : 3,254,982
.3 : 3,230,068
.3 : 3,231,358
.3 : 3,231,359
.3 : 3,232,735
.3 : 3,235,355
.3 : 3,235,356
.3 : 3,238,035
.3 : 3,244,501
.3 : 3,252,783
.3 : 3,253,900
.3 : 3,253,901
.3 : 3,254,983
.3 : 3,257,190
.3 : 3,258,325
153 : 3,234,764
163 : 3,274,809
165 : 3,264,850
168 : 3,248,915
173 : 3,289,442
181 : 3,247,691
202 : 3,245,239
208 : 3,234,765
62 : 3,250,099
3,285,043
209 : 3,245,240
216 : 3,269,158
219 : 3,255,619
232 : 3,269,159
239 : 3,236,077
241 : 3,251,204
252 : 3,250,101
139 : 3,226,961
3,261,187
264 : 3,279,227
271 : 3,234,766
276 : 3,234,767
140 : 3,230,748
3,289,443
277 : 3,242,708
150 : 3,233,437
3,266,278
279 : 3,241,344
282 : 3,283,550
287 : 3,236,078
288 : 3,274,810
299 : 3,226,963
301 : 3,274,811
312 : 3,264,851
313 : 3,270,537
3,276,231
189 : 3,289,440
317 : 3,237,434
320 : 3,273,362
323 : 3,237,435
3,254,519
330 : 3,273,363
358 : 3,264,852
363 : 3,237,436
3,251,205
3,251,188
3,267,706
3,270,538
364 : 3,260,080
3,261,189
3,287,944
3,287,945
3,293,892
370 : 3,233,440
3,260,081
3,276,232
371 : 3,286,773
372 : 3,232,083
3,258,944
3,258,945
382 : 3,276,233
383 : 3,234,768
3,255,620
3,257,831
3,263,461
3,290,910
385 : 3,293,893
394 : 3,251,206
411 : 3,243,979
414 : 3,270,539
3,277,680
3,292,400
419 : 3,267,707
3,286,494
421 : 3,230,749
3,260,082
447 : 3,263,462
455 : 3,246,495
3,263,463
456 : 3,260,083
3,263,464
457 : 3,277,681
459 : 3,242,709
3,290,911
3,292,401

Class 71

1 : 3,244,500
3,245,776
3,250,606
3,256,083
2.2 : 3,254,982
.3 : 3,230,068
.3 : 3,231,358
.3 : 3,231,359
.3 : 3,232,735
.3 : 3,235,355
.3 : 3,235,356
.3 : 3,238,035
.3 : 3,244,501
.3 : 3,252,783
.3 : 3,253,900
.3 : 3,253,901
.3 : 3,254,983
.3 : 3,257,190
.3 : 3,258,325
2.3 : 3,264,083
.3 : 3,266,882
.3 : 3,268,323
.3 : 3,268,324
.3 : 3,272,613
.3 : 3,273,992
.3 : 3,279,907
.3 : 3,282,672
.3 : 3,285,729
.3 : 3,285,730
.3 : 3,287,099
.3 : 3,287,100
.3 : 3,287,101
.3 : 3,287,102
.3 : 3,287,103
.3 : 3,294,520
.4 : 3,227,541
.4 : 3,239,328
.4 : 3,244,502
.4 : 3,278,291
.4 : 3,287,104
.5 : 3,232,736
.5 : 3,234,000
.5 : 3,235,357
.5 : 3,235,358
.5 : 3,235,359
.5 : 3,235,360
.5 : 3,235,361
.5 : 3,235,362
.5 : 3,235,363
.5 : 3,235,364
.5 : 3,236,622
.5 : 3,244,503
.5 : 3,246,975
.5 : 3,248,207
.5 : 3,249,419
.5 : 3,249,420
.5 : 3,257,191
.5 : 3,257,192
.5 : 3,257,193
.5 : 3,258,326
.5 : 3,260,588
.5 : 3,266,883
.5 : 3,269,823
.5 : 3,279,908
.5 : 3,279,909
.5 : 3,279,910
.5 : 3,284,184
.5 : 3,284,185
.5 : 3,287,105
.5 : 3,291,591
.5 : 3,291,592
.6 : 3,228,762
.6 : 3,231,360
.6 : 3,231,362
.6 : 3,232,737
.6 : 3,234,001
.6 : 3,234,002
.6 : 3,235,365
.6 : 3,235,366
.6 : 3,236,623
.6 : 3,236,624
.6 : 3,236,625
.6 : 3,238,036
.6 : 3,240,585
.6 : 3,241,942
.6 : 3,244,504
.6 : 3,245,774
.6 : 3,245,775
.6 : 3,246,974
.6 : 3,246,976
.6 : 3,248,208
.6 : 3,251,674
.6 : 3,252,784
.6 : 3,253,902
.6 : 3,253,903
.6 : 3,253,904
.6 : 3,254,984
.6 : 3,260,589
.6 : 3,260,590
.6 : 3,261,678
.6 : 3,261,679
.6 : 3,266,884
.6 : 3,276,855
.6 : 3,276,856
.6 : 3,278,292
.6 : 3,279,911
.6 : 3,281,233
.6 : 3,282,673
.6 : 3,284,186
.6 : 3,288,586
.6 : 3,294,521
.7 : 3,227,542
.7 : 3,230,069
.7 : 3,235,367
.7 : 3,235,368
.7 : 3,251,675
.7 : 3,253,905
.7 : 3,256,084
.7 : 3,257,194
.7 : 3,261,680
.7 : 3,272,614
.7 : 3,281,234
.7 : 3,287,106

Class 71 —Con.

2.7 : 3,294,522
3 : 3,236,626
3,236,627
3,284,187
9 : 3,235,369
3,241,943
3,285,732
17 : 3,294,523
23 : 3,239,329
3,244,505
3,252,785
24 : 3,264,084
25 : 3,232,738
27 : 3,234,003
28 : 3,227,543
3,232,739
3,232,740
3,234,004
3,290,138
29 : 3,230,070
3,231,363
3,234,005
3,235,370
30 : 3,290,139
33 : 3,285,731
34 : 3,264,085
3,290,140
37 : 3,241,944
39 : 3,231,364
3,232,741
3,240,586
3,245,777
3,266,885
3,268,325
40 : 3,246,977
41 : 3,241,945
3,249,421
3,264,086
3,291,594
43 : 3,241,946
3,243,279
3,248,209
3,264,087
49 : 3,291,595
54 : 3,284,188
59 : 3,234,006
60 : 3,241,947
64 : 3,231,365
3,250,607
3,252,786
3,259,482
3,264,088
3,264,089
3,266,886
3,269,824
3,276,857
3,282,674
3,285,733
3,288,587

Class 72

4 : 3,283,551
6 : 3,267,708
7 : 3,236,079
3,261,190
3,289,444
8 : 3,266,279
3,269,160
3,280,607
3,285,044
3,286,495
3,287,946
9 : 3,245,241
3,261,191
3,290,912
10 : 3,238,752
3,264,853
12 : 3,240,041
3,248,916
3,251,207
3,253,438
3,273,364
3,290,913
13 : 3,267,709
3,282,079
14 : 3,289,445
16 : 3,228,219
3,228,220
3,232,084
3,251,208
3,283,552
17 : 3,253,439
3,292,402
19 : 3,253,440
20 : 3,258,946
3,260,084
3,260,085
3,260,086
21 : 3,246,496
3,282,074
3,282,075

23 : 3,246,497
24 : 3,243,980
31 : 3,233,441
3,253,441
3,270,540
34 : 3,246,498
35 : 3,282,076
36 : 3,260,087
3,289,446
40 : 3,250,102
42 : 3,230,750
3,233,442
3,250,103
3,255,621
3,258,947
3,262,293
3,293,894
46 : 3,293,895
47 : 3,293,896
48 : 3,263,465
49 : 3,240,042
3,247,692
50 : 3,229,487
52 : 3,245,242
53 : 3,276,234
54 : 3,247,693
3,285,045
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74 : 3,231,370

Class 75 —Con.
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Class 76
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59 : Re.26,037
60 : 3,258,997
61 : 3,289,501
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66 : 3,266,344
67 : 3,260,139
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Class 79
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Class 81
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Class 82
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.5 : 3,290,972
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Class 83
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2 : 3,237,493
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3,273,436
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251 : 3,244,046
255 : 3,285,113
262 : 3,283,632
267 : 3,252,367
269 : 3,244,047
3,245,299
272 : 3,286,571
287 : 3,253,490
294 : 3,292,472
295 : 3,251,255
3,277,758
3,293,968
301 : 3,242,785
302 : 3,246,553
3,290,976
303 : 3,276,305
3,283,633
304 : 3,279,291
305 : 3,241,413
3,269,245
308 : 3,272,045
310 : 3,267,785
3,272,046
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3,288,012
311 : 3,264,920
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314 : 3,244,048
315 : 3,241,414
318 : 3,267,786
3,292,473
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323 : 3,247,745
326 : 3,289,512
327 : 3,292,474
328 : 3,288,013
3,293,970
333 : 3,283,634
338 : 3,272,047
341 : 3,230,809
3,261,249
342 : 3,247,746
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344 : 3,289,513
345 : 3,283,635
346 : 3,257,885
347 : 3,274,873
3,280,682
348 : 3,274,874
353 : 3,257,886
355 : 3,244,049
3,245,300
3,245,301
364 : 3,236,135
365 : 3,264,922
3,283,636
367 : 3,263,543
3,266,359
368 : 3,292,475
370 : 3,272,048
371 : 3,269,248
3,272,049
380 : 3,238,829
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386 : 3,227,021
387 : 3,237,497
390 : 3,242,787
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391 : 3,260,145
402 : 3,285,114
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410 : 3,230,810
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411 : 3,253,491
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412 : 3,256,761
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414 : 3,293,972
415 : 3,274,876
418 : 3,244,050
419 : 3,267,787
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422 : 3,234,836
3,234,837
426 : 3,238,830
427 : 3,264,923
432 : 3,283,637
433 : 3,238,831
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444 : 3,273,437
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451 : 3,229,557
454 : 3,229,558
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455 : 3,277,760
456 : 3,233,489
3,292,476
459 : 3,289,514
464 : 3,292,477
467 : 3,230,811
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3,290,977
470 : 3,293,962
473 : 3,274,877
479 : 3,260,146
485 : 3,240,093
490 : 3,286,573
501 : 3,286,574
503 : 3,257,887
510 : 3,237,499
522 : 3,241,416
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527 : 3,272,051
3,282,141
528 : 3,263,545
529 : 3,227,022
530 : 3,256,762
533 : 3,248,984
3,248,985
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3,289,515
535 : 3,256,763
538 : 3,279,294
542 : 3,260,147
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549 : 3,227,023
3,234,839
554 : 3,255,655
556 : 3,263,546
557 : 3,253,492
3,261,250
559 : 3,234,840
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568 : 3,227,024
3,233,490
575 : 3,264,924
578 : 3,272,052
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579 : 3,270,606
581 : 3,227,025
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614 : 3,236,136
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617 : 3,272,053
620 : 3,263,547
622 : 3,267,789
623 : 3,237,500
629 : 3,247,747
633 : 3,263,548
635 : 3,277,762
636 : 3,240,094
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641 : 3,277,763
644 : 3,233,492
649 : 3,261,251
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659 : 3,282,142
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664 : 3,248,987
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665 : 3,246,555
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671 : 3,236,137
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674 : 3,251,256
679 : 3,277,764
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680 : 3,282,143
682 : 3,248,988
685 : 3,227,026
3,255,656
3,273,438
3,289,519
686 : 3,229,559
690 : 3,256,764
694 : 3,233,493
698 : 3,263,549
3,274,878
3,279,297
3,285,115
699 : 3,286,575
700 : 3,233,494
Class 84
1.01: 3,229,019
.01: 3,231,658
.01: 3,240,857
.01: 3,240,858
.01: 3,251,923
.01: 3,260,784
.01: 3,263,018
.01: 3,270,119
.01: 3,283,056
.01: 3,283,057
.01: 3,288,904
.01: 3,288,905
.01: 3,291,886
.02: 3,257,493
.03: 3,235,648
.03: 3,243,494
.03: 3,247,307
.03: 3,255,292
.04: 3,278,671
.09: 3,231,659
.09: 3,250,843
.09: 3,257,494
.1 : 3,248,470
.1 : 3,255,293
.11: 3,231,660
1.11: 3,233,031
.11: 3,253,077
.11: 3,259,683
.13: 3,229,020
.13: 3,244,790
.13: 3,247,306
.14: 3,229,021
.15: 3,236,930
.15: 3,244,791
.16: 3,249,677
.16: 3,288,906
.16: 3,290,424
.16: 3,290,425
.16: 3,291,887
.16: 3,291,888
.17: 3,229,022
.17: 3,246,071
.17: 3,247,308
.17: 3,247,309
.17: 3,247,310
.17: 3,255,294
.17: 3,255,295
.18: 3,249,678
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.18: 3,258,518
.18: 3,267,196
.19: 3,247,311
.22: 3,235,649
.23: 3,236,931
.23: 3,274,325
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.24: 3,267,198
.25: 3,240,859
.25: 3,250,845
.25: 3,250,846
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.25: 3,255,297
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.25: 3,257,495
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.25: 3,260,785
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.25: 3,286,013
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.26: Re.26,048
.26: 3,227,799
.26: 3,231,661
.26: 3,235,650
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.26: 3,267,200
.26: 3,288,909
.27: 3,256,381
.27: 3,264,398
.27: 3,278,672
.28: 3,250,847
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83 : 3,272,054
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177 : 3,248,989
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180 : 3,230,814
189 : 3,248,990
192 : 3,236,138
208 : 3,279,298
209 : 3,228,276
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237 : 3,270,608
240 : 3,228,277
3,280,686
243 : 3,236,139
245 : 3,227,027
251 : 3,240,095
258 : 3,293,974
264 : 3,244,053
267 : 3,237,502
3,251,257
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3,269,247
272 : 3,240,096
275 : 3,241,417
283 : 3,272,055
287 : 3,237,503
293 : 3,244,054
294 : 3,233,495
304 : 3,240,097
306 : 3,240,098
307 : 3,290,980
313 : 3,241,418
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314 : 3,273,439
315 : 3,230,815
315 : 3,230,816
318 : 3,227,028
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320 : 3,293,975
326 : 3,290,981
330 : 3,247,748
343 : 3,250,168
344 : 3,261,252
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365 : 3,254,553
370 : 3,270,609
375 : 3,236,140
3,282,144
377 : 3,273,440
380 : 3,264,925
382 : 3,237,504
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383 : 3,257,888
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385 : 3,247,749
403 : 3,272,056
411 : 3,250,169
3,261,253
3,264,926
414 : 3,272,057
3,285,117
419 : 3,279,299
423 : 3,263,550
434 : 3,254,554
436 : 3,248,992
443 : 3,272,058
451 : 3,229,560
453 : 3,251,258
3,293,976
457 : 3,251,259
3,269,249
464 : 3,228,278
3,240,099
3,241,419
3,247,750
466 : 3,286,576
471 : 3,247,751
472 : 3,248,993
478 : 3,256,765
480 : 3,280,687
484 : 3,263,551
485 : 3,245,303
Class 85
1 : 3,237,505
3,244,055
3,247,752
3,260,149
3,277,766
3,292,481
15 : 3,241,425
19 : 3,240,100
20 : 3,233,498
23 : 3,240,101
23 : 3,290,983
28 : 3,230,817
3,279,300
32 : 3,255,658
3,266,363
3,270,610
3,283,639
3,262,351
33 : 3,233,499
35 : 3,273,441
3,289,523
36 : 3,227,030
3,280,688
3,286,578
37 : 3,293,977
41 : 3,286,579
44 : 3,277,769
45 : 3,236,141
3,237,506
3,269,250
3,273,442
3,282,145
3,293,978
46 : 3,233,500
3,246,556
47 : 3,238,836
3,240,102
3,241,426
3,260,150
3,288,015
49 : 3,236,142
56 : 3,241,427
61 : 3,267,792
3,273,443
3,280,689
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3,285,119
3,289,524
62 : 3,237,507
3,285,120
66 : 3,269,251
3,279,301
67 : 3,227,031
3,277,770
68 : 3,247,754
69 : 3,283,640
70 : 3,236,143
3,253,495
3,257,889
3,262,352
3,279,302
3,283,641
3,288,016
71 : 3,235,650
72 : 3,232,161
3,257,890
3,262,353
3,276,308
3,277,771
3,285,121
75 : 3,236,144
3,267,793
3,279,303
76 : 3,236,146
3,248,997
3,250,170
77 : 3,232,162
3,254,555
3,266,364
3,272,060
3,279,304
3,286,580
78 : 3,292,482
79 : 3,257,891
3,273,444
80 : 3,233,501
3,233,502
3,233,503
81 : 3,233,504
3,260,151
3,289,525
82 : 3,228,280
3,272,061
83 : 3,232,163
3,236,145
3,241,428
3,283,642
84 : 3,234,842
85 : 3,276,309
87 : 3,248,998
Class 86
10 : 3,282,146
11 : 3,242,789
12 : 3,233,505
20 : 3,229,561
3,236,147
3,252,369
3,255,659
3,261,255
25 : 3,282,147
29 : 3,242,790

Class 75 —Con.

75 : 3,258,330
76 : 3,262,773
3,282,680
77 : 3,243,283
3,278,297
3,281,237
78 : 3,260,592
80 : 3,240,591
81 : 3,243,284
82 : 3,230,076
84 : 3,232,749
3,236,631
3,250,609
3,261,681
3,264,098
3,288,593
3,288,594
.1 : 3,271,133
.1 : 3,272,620
.1 : 3,276,861
.1 : 3,279,913
.1 : 3,282,681
.1 : 3,284,190
.1 : 3,288,595
.5 : 3,230,077
.5 : 3,269,830
.5 : 3,276,862
.5 : 3,288,596
86 : 3,262,774
87 : 3,244,511
3,271,134
93 : 3,281,238
97 : 3,258,331
3,262,775
3,266,888
101 : 3,248,212
3,264,099
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3,272,621
3,291,598
3,293,026
103 : 3,241,949
3,245,780
3,291,599
106 : 3,271,135
108 : 3,269,831
3,273,997
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3,288,597
109 : 3,288,598
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111 : 3,244,512
114 : 3,258,332
117 : 3,228,765
3,241,950
3,260,593
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3,282,683
118 : 3,271,136
119 : 3,232,750
3,235,377
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3,293,027
120 : 3,241,951
121 : 3,256,086
122 : 3,256,087
3,294,526
.5 : 3,285,736
.7 : 3,258,333
.7 : 3,266,890
.7 : 3,285,737
.7 : 3,290,143
123 : 3,243,285
3,243,286
3,253,907
3,254,990
3,259,487
3,262,776
3,264,100
3,271,137
3,293,028
3,294,527
124 : 3,243,287
3,243,288
3,249,426
3,251,682
3,253,908
125 : 3,239,332
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126 : 3,249,427
3,250,610
3,250,611
: 3,250,612

126 : 3,252,792
3,259,489
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3,272,622
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128 : 3,235,378
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129 : 3,228,766
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130 : 3,231,371
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.5 : 3,271,139
134 : 3,230,078
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3,246,980
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3,259,490
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3,265,491
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3,272,623
3,275,433
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3,294,529
135 : 3,240,592
3,253,910
3,254,993
3,265,492
138 : 3,236,632
3,241,953
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141 : 3,284,193
142 : 3,265,493
3,288,601
146 : 3,257,201
147 : 3,279,915
152 : 3,236,633
153 : 3,234,014
3,239,333
157.5 : 3,252,793
159 : 3,253,911
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3,266,891
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162 : 3,259,491
165 : 3,272,625
166 : 3,253,912
168 : 3,230,079
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169 : 3,259,492
170 : 3,230,080
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3,259,493
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171 : 3,232,751
3,234,015
3,235,379
3,241,954
3,248,213
3,249,428
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3,265,494
3,276,866
3,293,030
172 : 3,238,040
3,245,781
3,262,779
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174 : Re.26,122
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3,268,328
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175.5 : 3,239,334
.5 : 3,258,335
.5 : 3,268,329
176 : 3,227,548
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3,241,955
3,243,291

176 : 3,254,995
3,270,590
177 : 3,261,682
3,287,111
178 : 3,234,016
200 : 3,232,752
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3,260,595
201 : 3,245,782
3,275,435
203 : 3,243,292
204 : 3,264,101
206 : 3,254,996
3,271,141
3,271,142
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3,290,144
208 : 3,244,515
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3,265,495
212 : 3,232,753
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213 : 3,246,982
214 : 3,231,373
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222 : 3,266,893
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224 : 3,256,088
226 : 3,241,956
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3,260,596
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3,284,195
762 : 3,237,484

Class 76

24 : 3,289,497
31 : 3,227,007
36 : 3,283,615
40 : 3,279,282
82 : 3,290,964
.2 : 3,293,949
86 : 3,234,823
87 : 3,289,498
101 : 3,227,008
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104 : 3,279,283
107 : 3,227,009
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3,279,284
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3,283,617
3,292,461
3,293,950
108 : 3,266,342
114 : 3,262,338

Class 77

1 : 3,233,479
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3,244,028
3,258,996
3,263,530
3,279,285
3,280,659
2 : 3,264,904
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3 : 3,237,487
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5 : 3,289,500
6 : 3,270,590
7 : 3,244,030
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11 : 3,273,424
13 : 3,285,102
14 : 3,248,973
18 : 3,256,754
19 : 3,244,031
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31 : 3,232,141
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32.1 : 3,246,544
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.5 : 3,269,221
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38 : 3,264,907
39 : 3,227,011
40 : 3,272,033
42 : 3,287,997
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55 : 3,242,773
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58 : 3,228,265
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59 : Re.26,037
60 : 3,258,997
61 : 3,289,501
62 : 3,244,034
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63 : 3,245,289
64 : 3,228,266
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65 : 3,227,012
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66 : 3,266,344
67 : 3,260,139
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69 : 3,227,013
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70 : 3,237,488
73 : 3,228,268
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.5 : 3,276,294
75.5 : 3,286,537
77 : 3,293,955
79 : 3,257,871
3,266,346

Class 79

5 : 3,273,427
3,282,134

Class 81

1 : 3,269,223

1 : 3,280,662
3,286,558
2 : 3,258,998
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3 : 3,228,269
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.5 : 3,263,532
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.5 : 3,293,956
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58.1 : 3,286,560
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62 : 3,273,429
63 : 3,233,481
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64 : 3,269,226
66 : 3,230,800
68 : 3,288,001
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77 : 3,282,136
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94 : 3,241,409
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351 : 3,259,001
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360 : 3,283,623
3,283,624
417 : 3,261,244
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523 : 3,272,035

Class 82

2 : 3,230,801
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3,269,231
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.5 : 3,266,348
.5 : 3,273,431
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4 : 3,229,555
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.5 : 3,290,972
14 : Re.26,005
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390 : 3,242,787
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414 : 3,293,972
415 : 3,274,876
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422 : 3,234,836
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426 : 3,238,830
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455 : 3,277,760
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459 : 3,289,514
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503 : 3,257,887
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530 : 3,256,762

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620 : 3,263,547
622 : 3,267,789
623 : 3,237,500
629 : 3,247,747
633 : 3,263,548
635 : 3,277,762
636 : 3,240,094
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644 : 3,233,492
649 : 3,261,251
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660 : 3,230,813
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665 : 3,246,555
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671 : 3,236,137
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674 : 3,251,256
679 : 3,277,764
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680 : 3,282,143
682 : 3,248,988
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686 : 3,229,559
690 : 3,256,764
694 : 3,233,493
698 : 3,263,549
3,274,878
3,279,297
3,285,115
699 : 3,286,575
700 : 3,233,494

Class 84

1.01: 3,229,019
.01: 3,231,658
.01: 3,240,857
.01: 3,240,858
.01: 3,251,923
.01: 3,260,784
.01: 3,263,018
.01: 3,270,119
.01: 3,283,056
.01: 3,283,057
.01: 3,288,904
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.01: 3,291,886
.02: 3,257,493
.03: 3,235,648
.03: 3,243,494
.03: 3,247,307
.03: 3,255,292
.04: 3,278,671
.09: 3,231,659
.09: 3,250,843
.09: 3,257,494
.1 : 3,248,470
.1 : 3,255,293
.11: 3,231,660

1.11: 3,233,031
.11: 3,253,077
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.13: 3,229,020
.13: 3,244,790
.13: 3,247,306
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.15: 3,236,930
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.16: 3,288,906
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.16: 3,291,887
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.17: 3,247,310
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.25: 3,240,859
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.26: Re.26,048
.26: 3,227,799
.26: 3,231,661
.26: 3,235,650
.26: 3,253,079
.26: 3,267,200
.26: 3,288,909
.27: 3,256,381
.27: 3,264,398
.27: 3,278,672
.28: 3,250,847
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83 : 3,272,054
94 : 3,244,052
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104 : 3,290,979
176 : 3,285,116
177 : 3,248,989
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180 : 3,230,814
189 : 3,248,990
192 : 3,236,138
208 : 3,279,298
209 : 3,228,276
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237 : 3,270,608
240 : 3,228,277
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243 : 3,236,139
245 : 3,227,027
251 : 3,240,095
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264 : 3,244,053
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272 : 3,240,096
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320 : 3,293,975
326 : 3,290,981
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370 : 3,270,609
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385 : 3,247,749
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414 : 3,272,057
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419 : 3,279,299
423 : 3,263,550
434 : 3,254,554
436 : 3,248,992
443 : 3,272,058
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453 : 3,251,258
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457 : 3,251,259
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464 : 3,228,278
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471 : 3,247,751
472 : 3,248,993
478 : 3,256,765
480 : 3,280,687
484 : 3,263,551
485 : 3,245,303

Class 85

1 : 3,237,505
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3,260,149
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3 : 3,241,420
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8.1 : 3,250,171
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23 : 3,240,101

23 : 3,290,983
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32 : 3,255,658
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33 : 3,233,499
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36 : 3,227,030
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37 : 3,293,977
41 : 3,286,579
44 : 3,277,769
45 : 3,236,141
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47 : 3,238,836
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49 : 3,236,142
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61 : 3,267,792
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62 : 3,237,507
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66 : 3,269,251
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67 : 3,227,031
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68 : 3,247,754
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70 : 3,236,143
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71 : 3,230,818
72 : 3,232,161
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75 : 3,236,144
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76 : 3,236,146
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77 : 3,232,162
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79 : 3,257,891
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Class 86 —Con.

32 : 3,253,496
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38 : 3,240,103
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Class 87

22 : 3,276,310
51 : 3,290,984

Class 88

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.62 : 3,241,452
12 : 3,241,453
3,274,889
3,276,326
3,283,662
3,283,663
3,285,135
3,292,494
.5 : 3,230,834
13 : 3,233,520
3,238,846
3,241,454
3,257,906
3,259,021
3,260,159
3,272,076
3,274,890
3,276,327
3,289,539
3,293,989
.05 : 3,257,908
.05 : 3,276,328
.05 : 3,286,596
.05 : 3,286,597
.1 : 3,249,016
.1 : 3,257,907
.1 : 3,260,160
.1 : 3,266,375
.1 : 3,273,461
.1 : 3,286,598
.1 : 3,289,538
.3 : 3,267,813
.5 : 3,230,835
.5 : 3,230,836
.5 : 3,245,321
.5 : 3,246,570
.5 : 3,259,022
.5 : 3,259,023
.5 : 3,260,161
.5 : 3,262,370
.5 : 3,270,619
.5 : 3,273,462
.5 : 3,289,540
.5 : 3,290,994
.5 : 3,292,495
.7 : 3,251,273
14 : 3,283,664
15 : 3,244,077
3,249,017
3,263,570
3,270,620
3,292,496
16 : 3,227,047
3,233,521
3,250,180
3,257,909
3,260,162
3,274,891
17 : 3,230,837
3,232,171
3,276,329
21 : 3,267,814
3,279,321
24 : 3,250,181
3,254,568
3,274,892
3,283,665
3,285,136
3,290,995
.3 : 3,229,586
38 : 3,254,569
52 : 3,279,322
55 : 3,262,371
56 : 3,277,789
3,292,497
58 : 3,263,571
3,293,990
62 : 3,229,587
62 : 3,241,455
3,246,571
3,252,378
3,252,379
3,255,670
3,285,137
3,289,541
64 : 3,260,163
89 : 3,273,463
107 : 3,272,631

Class 91

1 : 3,228,300
3,240,124
3,259,024
3,259,025
3,285,138
3,290,996
3,290,998
3 : 3,233,522
3,272,077
3,290,997
4 : 3,234,853
3,234,854
3,237,523
3,276,330
5 : 3,228,301
3,260,164
6 : 3,227,048
3,244,078
7 : 3,232,172
3,257,910
20 : 3,279,323
26 : 3,247,767
3,259,026
3,267,815
33 : 3,255,671
3,260,165
35 : 3,256,778
3,264,942
3,277,790
36 : 3,255,672
3,286,599
3,288,033
37 : 3,283,666
39 : 3,227,049
3,283,667
41 : 3,234,855
3,238,847
3,279,324
42 : 3,230,838
3,264,943
44 : 3,249,018
3,270,621
3,283,668
47 : 3,266,376
3,272,078
3,277,791
3,290,999
48 : 3,246,572
3,257,911
49 : 3,251,274
3,257,912
3,274,893
50 : 3,230,839
3,236,156
3,253,514
51 : 3,285,139
52 : 3,293,991
54 : 3,233,523
56 : 3,233,524
3,288,034
3,289,542
71 : 3,289,543
76 : 3,257,913
82 : 3,260,166
3,264,944
84 : 3,237,524
85 : 3,277,792
87 : 3,274,894
105 : 3,241,456
117 : 3,246,573
121 : 3,232,173
3,246,574
135 : 3,241,457
137 : 3,230,840
3,279,325
138 : 3,238,848
3,254,570
165 : 3,249,019
3,276,331
3,291,000
167 : 3,238,849
3,242,820
3,242,821
3,250,182
3,256,779
3,266,377
3,289,544
169 : 3,259,027
170 : 3,232,174
3,232,175
3,264,945
170 : 3,269,272
171 : 3,241,458
173 : 3,242,822
175 : 3,246,575
3,272,079
176 : 3,263,572
178 : 3,267,816
179 : 3,274,895
180 : 3,280,703
3,291,001
186 : 3,267,817
3,270,622
3,272,080
189 : 3,228,302
3,240,125
3,242,823
3,246,576
3,247,768
198 : 3,228,303
3,249,020
3,274,896
199 : 3,246,577
3,255,673
3,274,897
201 : 3,251,275
204 : 3,228,304
3,245,322
3,273,464
205 : 3,274,898
216 : 3,256,780
3,277,793
217 : 3,254,571
3,263,573
3,285,140
224 : 3,236,157
3,279,326
228 : 3,272,081
234 : 3,241,459
265 : 3,274,899
273 : 3,289,545
298 : 3,274,900
300 : 3,232,176
306 : 3,282,167
308 : 3,292,498
313 : 3,261,265
317 : 3,232,177
3,232,178
358 : 3,289,546
359 : 3,257,914
363 : 3,266,378
366 : 3,271,834
368 : 3,285,141
3,292,499
369 : 3,237,525
3,246,578
3,249,021
3,279,327
374 : 3,266,379
375 : 3,273,465
3,291,002
376 : 3,237,526
3,269,273
3,279,328
3,289,547
377 : 3,237,527
378 : 3,228,305
3,272,082
380 : 3,242,824
382 : 3,264,946
384 : 3,264,947
3,272,062
385 : 3,232,179
386 : 3,293,992
387 : 3,229,588
3,270,623
3,289,548
388 : 3,266,380
391 : 3,250,183
3,250,184
3,252,380
392 : 3,274,901
394 : 3,238,850
3,251,276
395 : 3,260,167
396 : 3,293,993
401 : 3,241,460
3,253,515
3,285,142
402 : 3,289,549
405 : 3,272,083
409 : 3,237,528
411 : 3,252,381
3,264,948
3,286,600
412 : 3,233,525
413 : 3,234,856
3,237,529
414 : 3,234,857
3,237,530
3,237,531
3,245,323
3,251,277
3,262,372
414 : 3,272,084
416 : 3,229,589
417 : 3,242,825
3,269,274
418 : 3,270,624
3,277,794
420 : 3,240,126
3,250,185
3,266,381
3,272,085
3,272,086
3,273,466
3,273,467
3,273,468
3,274,902
3,282,168
422 : 3,232,180
3,232,181
426 : 3,253,516
3,270,625
434 : 3,238,851
3,252,382
3,286,601
436 : 3,227,050
3,228,306
3,241,461
3,263,574
438 : 3,227,051
443 : 3,241,462
446 : 3,230,841
3,245,324
449 : 3,292,500
459 : 3,227,052
3,291,003
461 : 3,254,572
3,255,674
466 : 3,255,675
467 : 3,288,035
468 : 3,262,373
3,266,382

Class 92

1 : 3,252,383
13 : 3,232,182
3,241,463
3,245,325
3,253,517
3,274,903
16 : 3,262,374
17 : 3,267,818
18 : 3,251,278
24 : 3,242,826
3,260,168
3,267,819
3,272,087
3,282,169
26 : 3,228,307
28 : 3,286,602
29 : 3,255,676
31 : 3,264,949
48 : 3,229,590
3,254,574
3,261,267
3,266,053
3,269,278
3,277,798
3,279,330
3,279,331
3,280,705
3,283,672
36 : 3,233,528
3,234,858
3,236,159
3,249,024
3,252,385
3,256,783
3,260,172
3,264,953
3,264,954
3,266,388
3,266,389
3,283,673
3,285,143
3,292,503
3,293,997
.01 : 3,229,593
.01 : 3,240,131
.01 : 3,266,390
.3 : 3,291,008
.9 : 3,229,594
37 : 3,244,081
3,256,784
3,264,955
39.1 : 3,229,595
.1 : 3,272,094
.3 : 3,289,552
41 : 3,280,706
44 : 3,289,553
.1 : 3,236,160
.1 : 3,249,025
.1 : 3,252,386
47 : 3,244,082
49 : 3,229,596
3,234,859
49 : 3,237,535
3,247,769
3,259,030
3,285,144
3,292,504
51 : 3,260,173
3,260,174
3,277,799
3,285,145
52 : 3,266,391
3,270,628
53 : 3,229,597
3,233,529
3,242,827
3,269,279
3,273,471
3,273,472
3,279,332
3,293,998
54.2 : 3,236,161
58 : 3,269,280
3,292,513
.1 : 3,282,175
.2 : 3,238,853
61 : 3,254,575
3,259,031
3,263,576
3,270,629
3,272,095
3,288,037
62 : 3,241,465
77 : 3,242,828
80 : 3,229,598
3,253,520
3,289,554
3,291,009
81 : 3,237,536
3,252,387
3,280,707
82 : 3,267,822
84 : 3,261,268
93 : 3,229,599
3,236,162
3,270,630
3,288,038
3,291,010
3,292,505
94 : 3,228,308
3,242,829
3,252,388
3,264,956
3,274,905
3,279,333
3,280,708
3,280,709

Class 94

1 : 3,238,854
3,263,577
3,269,281
3,272,096
3,272,097
3,276,333
.5 : 3,232,187
.5 : 3,238,855
.5 : 3,240,132
.5 : 3,245,327
.5 : 3,262,375
.5 : 3,263,578
.5 : 3,277,800
.5 : 3,289,555
.5 : 3,291,011
.5 : 3,292,506
.5 : 3,292,507
4 : 3,292,508
7 : 3,250,188
3,272,098
3,279,334
3,293,999
8 : 3,228,309
3,237,537
3,242,830
3,242,831
3,279,335
3,286,603
3,288,039
9 : 3,264,957
11 : 3,242,832
13 : 3,254,576
3,256,785
3,267,823
15 : 3,285,146
17 : 3,257,916
3,260,175
18 : 3,234,860
3,238,856
3,245,328
3,255,680
3,256,786
3,273,473
3,276,335
3,276,336
18 : 3,283,674
22 : 3,230,842
3,245,329
3,252,389
3,286,604
23 : 3,230,843
3,253,521
3,261,269
3,270,631
3,270,632
24 : 3,261,270
25 : 3,288,040
31 : 3,242,833
3,242,834
.1 : 3,250,189
33 : 3,246,582
34 : 3,230,844
3,237,538
3,240,133
3,250,190
3,263,579
3,263,580
3,289,556
38 : 3,294,000
39 : 3,227,055
3,246,583
3,257,917
3,259,032
3,260,176
3,260,177
3,262,376
3,269,282
3,274,906
3,280,710
3,283,675
3,292,509
40 : 3,292,510
44 : 3,228,310
3,229,600
3,229,601
3,237,539
3,241,976
3,255,681
3,256,787
3,266,392
3,270,633
3,279,336
3,279,337
3,285,147
3,286,605
3,291,012
45 : 3,247,770
3,251,281
3,252,390
3,254,577
3,256,788
3,259,033
3,261,271
3,262,377
3,269,283
3,270,634
3,273,474
3,286,606
3,294,001
46 : 3,228,311
3,230,845
3,230,846
3,234,861
3,234,862
3,236,163
3,237,540
3,246,584
3,247,771
3,249,026
3,250,191
3,254,578
3,259,034
3,260,178
3,261,272
3,262,378
3,264,958
3,264,959
3,267,824
3,272,099
3,280,711
3,285,148
3,288,041
3,292,511
48 : 3,232,188
3,240,134
3,252,391
3,253,522
3,256,789
3,256,790
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3,274,908
3,279,338
3,283,676
3,283,677
3,292,512
49 : 3,236,164
3,259,035
3,270,635
3,277,801

Class 94 —Con.

50 : 3,228,312
3,229,602
3,232,189
3,233,530
3,242,835
3,249,027
3,255,682
3,257,918
3,259,036
3,260,179
3,267,825
3,269,284
3,269,285
3,276,337
3,277,802
3,279,339
3,280,712
3,283,678
3,283,679
3,291,013
3,291,014
51 : 3,270,636
3,286,607
3,288,042
3,289,042

Class 95

1 : 3,238,857
3,240,135
3,247,772
3,259,037
3,259,038
3,270,637
3,279,340
.1 : 3,234,863
.1 : 3,234,864
.1 : 3,259,039
.1 : 3,260,180
.1 : 3,263,581
.1 : 3,263,582
.1 : 3,266,393
.1 : 3,266,394
.1 : 3,282,176
.7 : 3,229,603
.7 : 3,232,190
.7 : 3,236,165
.7 : 3,241,466
.7 : 3,244,083
.7 : 3,244,084
.7 : 3,245,330
.7 : 3,256,791
.7 : 3,256,792
.7 : 3,272,100
.7 : 3,272,101
.7 : 3,282,177
.7 : 3,283,680
4.5 : 3,228,313
.5 : 3,249,028
.5 : 3,250,192
.5 : 3,252,392
.5 : 3,254,579
.5 : 3,255,683
.5 : 3,262,309
.5 : 3,269,286
.5 : 3,272,102
.5 : 3,273,475
.5 : 3,273,476
.5 : 3,274,909
.5 : 3,279,341
.5 : 3,279,342
.5 : 3,286,608
.5 : 3,291,015
10 : 3,227,056
3,227,057
3,229,604
3,230,847
3,230,848
3,232,191
3,232,192
3,232,193
3,233,531
3,236,166
3,240,136
3,245,331
3,246,585
3,250,193
3,253,523
3,257,919
3,261,273
3,262,380
3,264,960
3,266,395
3,269,287
3,270,638
3,270,639
3,270,640
3,272,103
3,272,104
3,276,338
3,276,339
3,277,803
10 : 3,277,804
3,277,805
3,279,343
3,282,178
3,282,179
3,283,681
3,285,149
3,286,609
3,286,610
3,288,043
3,291,016
3,291,017
3,291,018
3,291,019
3,292,514
3,292,515
3,292,516
11 : 3,236,167
3,240,137
3,241,467
3,244,085
3,244,086
3,244,087
3,246,586
3,251,282
3,252,393
3,252,394
3,253,524
3,256,793
3,257,920
3,259,040
3,259,041
3,260,181
3,261,274
3,263,583
3,263,584
3,266,396
3,269,288
3,269,289
3,270,641
3,273,477
3,273,478
3,273,479
3,273,480
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3,282,180
3,282,181
3,286,611
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3,289,557
.5 : 3,228,314
.5 : 3,232,194
.5 : 3,254,580
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.5 : 3,257,921
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12 : 3,237,541
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.5 : 3,234,865
.5 : 3,234,866
.5 : 3,240,138
.5 : 3,240,139
.5 : 3,242,836
.5 : 3,251,283
.5 : 3,253,525
.5 : 3,269,290
13 : 3,229,605
3,232,195
3,238,858
3,241,468
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3,249,031
3,249,032
3,254,582
3,254,583
3,264,962
3,264,763
3,270,642
3,270,643
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3,283,682
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3,289,558
3,289,559
3,289,560
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14 : 3,230,849
3,233,532
3,282,184
3,285,150
15 : 3,230,850
3,240,140
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3,285,151
18 : 3,246,588
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18 : 3,263,585
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3,283,685
3,288,045
19 : 3,249,033
31 : 3,232,196
3,237,542
3,246,589
3,247,773
3,250,194
3,253,526
3,256,794
3,260,182
3,260,183
3,266,397
3,266,398
3,267,827
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3,274,911
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34 : 3,227,058
36 : 3,270,646
3,291,021
37 : 3,242,837
38 : 3,282,186
42 : 3,230,851
3,232,197
3,233,533
3,241,469
3,242,838
3,250,195
3,254,584
3,257,922
3,257,923
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3,280,714
44 : 3,250,196
3,253,527
3,253,528
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3,270,647
3,274,912
3,274,913
3,274,914
45 : 3,241,470
3,246,590
3,250,197
3,251,285
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3,259,044
3,260,184
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3,270,648
53 : 3,245,332
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.3 : 3,276,344
.3 : 3,279,345
55 : 3,228,315
3,241,471
3,277,806
57 : 3,232,198
3,256,795
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58 : 3,272,106
59 : 3,272,107
60 : 3,230,852
3,253,395
3,269,293
61 : 3,251,286
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62 : 3,230,853
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63 : 3,230,854
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3,240,141
3,242,839
3,250,198
3,250,199
3,250,200
3,256,796
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3,266,400
3,267,829
3,269,294
3,270,649
3,273,481
3,276,345
3,283,686
3,283,687
3,285,152
63 : 3,286,614
64 : 3,229,606
3,230,856
3,232,200
3,234,867
3,245,333
3,250,201
3,259,045
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3,269,295
3,270,650
3,273,482
3,273,483
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3,279,347
3,282,188
3,282,189
3,291,022
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3,292,517
66 : 3,237,543
3,249,035
3,259,046
3,261,276
73 : 3,227,059
3,234,868
3,238,859
3,241,472
3,254,586
3,255,684
3,259,047
3,263,586
3,266,401
3,277,807
3,282,190
3,282,191
75 : 3,229,607
3,230,857
3,232,201
3,240,142
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3,257,925
3,262,381
3,270,651
3,283,688
3,288,046
3,288,047
76 : 3,232,202
3,237,544
3,263,587
3,266,402
3,280,715
77.5 : 3,246,591
.5 : 3,252,396
.5 : 3,272,108
.5 : 3,286,615
.5 : 3,289,562
.5 : 3,291,024
85 : 3,256,797
3,264,967
86 : 3,240,143
3,242,840
3,263,588
3,263,589
3,264,968
3,266,403
3,270,652
3,273,484
3,279,348
3,289,563
89 : 3,227,060
3,230,858
3,233,534
3,236,168
3,241,473
3,242,841
3,242,842
3,242,843
3,245,334
3,245,335
3,249,036
3,250,202
3,257,926
3,257,927
3,260,185
3,261,277
3,264,969
3,266,404
3,266,405
3,266,406
3,270,653
3,270,654
3,273,485
3,276,346
3,277,808
3,280,716
3,280,717
3,282,192
3,283,689
3,283,690
3,286,616
90 : 3,266,407
3,280,718
.5 : 3,228,316
90.5 : 3,260,186
.5 : 3,280,719
94 : 3,229,608
3,259,048
3,261,278
3,263,590
3,264,970
3,277,809
3,277,810
3,292,518
3,294,003
96 : 3,294,004
98 : 3,273,486
3,291,025
99 : 3,292,519
100 : 3,232,203
3,247,774
3,259,049
3,292,520

Class 96

1 : 3,227,549
3,230,081
3,231,374
3,231,375
3,232,755
3,234,017
3,234,018
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41 : 3,264,106
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43 : 3,232,760
44 : 3,245,794
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45 : 3,249,437
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48 : 3,236,648
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49 : 3,228,768
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53 : 3,259,497
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55 : 3,227,554
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61 : 3,255,009
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62 : 3,278,307
63 : 3,230,089
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65 : 3,250,618
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73 : 3,240,604
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74 : 3,234,023
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75 : 3,231,381
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78 : 3,234,024
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85 : 3,231,382
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86 : 3,258,339
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87 : 3,228,770
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88 : 3,236,651
90 : 3,272,635
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91 : 3,248,220
91 : 3,281,244
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94 : 3,241,969
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95 : 3,234,025
99 : 3,244,525
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105 : 3,243,298
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107 : 3,241,971
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111 : 3,232,763
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114 : 3,252,801
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116 : 3,258,341
3,275,445
118 : Re.26,058
3,284,208

Class 98

1 : 3,227,061
3,228,317
3,267,830
3,283,691
.5 : 3,272,608
2 : 3,236,169
3,255,685
3,257,928
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3,263,591
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3,274,915
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3,286,617
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6 : 3,289,565
10 : 3,237,545
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29 : 3,242,844
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30 : 3,279,349
31 : 3,246,592
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33 : 3,227,062
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36 : 3,229,609
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36 : 3,282,193
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37 : 3,232,205
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38 : 3,250,203
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39 : 3,237,547
40 : 3,227,063
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42 : 3,230,859
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4 : 3,255,014
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43 : 3,270,656
50 : 3,289,567
59 : 3,232,207
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62 : 3,274,918
67 : 3,269,296
68 : 3,242,848
72 : 3,267,833
94 : 3,246,593
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95 : 3,255,688
109 : 3,227,064
110 : 3,228,318
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114 : 3,236,171
115 : 3,229,611
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116 : 3,249,038
119 : 3,232,208
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121 : 3,267,834
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Class 99

1 : 3,235,385
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3,262,783
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6 : 3,246,336
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9 : 3,255,015
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23 : 3,232,765
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60 : 3,271,163
64 : 3,288,614
66 : 3,293,041
71 : 3,227,558
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92 : 3,231,388
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94 : 3,228,772
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96 : 3,278,312
98 : 3,228,773
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106 : 3,236,655
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124 : 3,256,098
126 : 3,228,774
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127 : 3,227,560
128 : 3,245,803
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130 : 3,264,114
131 : 3,250,621
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132 : 3,236,657
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134 : 3,265,508
3,265,509
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135 : 3,255,018
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136 : 3,236,658
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138 : 3,264,115
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139 : 3,230,091
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143 : 3,269,845
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144 : 3,245,805
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153 : 3,264,118
154 : 3,239,360
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156 : 3,255,019
159 : 3,231,392
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162 : 3,232,768
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169 : 3,266,909
171 : 3,228,775
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174 : 3,245,806
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176 : 3,250,629
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176 : 3,274,005
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177 : 3,234,030
178 : 3,230,093
179 : 3,253,929
181 : 3,231,393
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182 : 3,231,394
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186 : 3,245,807
189 : 3,255,020
192 : 3,243,303
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193 : 3,231,395
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210 : 3,268,346
212 : 3,230,095
214 : 3,272,636
221 : 3,256,101
3,271,169
222 : Re.25,996
Re.26,040
Re.26,054
229 : 3,262,789
232 : 3,243,304
233 : 3,230,096
234 : 3,236,172
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235 : 3,250,207
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.5 : 3,280,720
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239 : 3,237,551
246 : 3,256,800
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251 : 3,289,569
254 : 3,230,860
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Class 99 —Con.

256 : 3,240,146
3,241,476
257 : 3,232,209
3,246,595
259 : 3,232,210
3,266,409
260 : 3,247,777
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269 : 3,237,549
275 : 3,255,691
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278 : 3,232,211
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281 : 3,285,158
282 : 3,229,612
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349 : 3,252,404
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351 : 3,229,615
352 : 3,276,352
353 : 3,234,869
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354 : 3,283,695
357 : 3,233,536
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426 : 3,272,112
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444 : 3,256,806
446 : 3,227,067
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447 : 3,288,050

Class 100

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34 : 3,242,851
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37 : 3,230,865
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96 : 3,249,039
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Class 101

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232 : 3,228,328
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235 : 3,245,343
248 : 3,283,710
269 : 3,232,228
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114 : 3,246,607
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115 : 3,228,344
3,234,887
3,240,153
3,251,307
3,267,870
138 : 3,255,705
139 : 3,250,223
141 : 3,256,832
143 : 3,230,891
148 : 3,270,684
3,279,388
3,282,223
149 : 3,227,091
3,227,092
3,233,553
3,249,059
150 : 3,227,093
3,236,188
175 : 3,236,190
178 : 3,228,347
3,257,961
3,270,687
3,277,836
3,289,607
179 : 3,244,112
3,267,872
188 : 3,237,571
3,261,299
202 : 3,249,062
3,259,075
3,276,391
3,279,392
203 : 3,238,891
3,273,513
3,283,727
204 : 3,272,144
205 : 3,259,076
212 : 3,251,310
216 : 3,238,892
3,277,837
218 : 3,242,871
220 : 3,242,872
3,266,437
3,289,608
221 : 3,292,555
224 : 3,272,145
227 : 3,259,077
228 : 3,228,348
232 : 3,272,146
3,277,838
3,282,226
3,289,609
3,291,069
234 : 3,288,081
235 : 3,265,009
236 : 3,273,514
240 : 3,262,396
241 : Re.26,033
248 : 3,242,873
126 : 3,289,599
127 : 3,236,186
128 : 3,253,550
3,269,328
129 : 3,227,090
130 : 3,236,187
3,240,159
3,241,495
3,249,061
3,250,227
3,252,426
3,253,551
3,256,834
3,257,959
3,263,623
3,265,008
3,266,434
3,267,871
3,270,686
3,274,947
3,274,948
3,274,949
3,274,950
3,277,835
3,279,390
3,280,757
3,280,758
3,282,225
3,283,725
3,283,726
3,285,193
3,286,647
3,289,604
3,289,605
3,289,606
3,291,067
3,291,068
3,292,553
165 : 3,241,496
166.5 : 3,256,835
167 : 3,250,228
170 : 3,266,435
171 : 3,238,889
3,238,890
3,273,512
3,279,391
173 : 3,236,189
3,257,960
3,292,554
174 : 3,242,870
3,255,707
3,259,074
3,266,436
175 : 3,236,190
178 : 3,228,347
3,257,961
3,270,687
3,277,836
3,289,607
179 : 3,244,112
3,267,872
188 : 3,237,571
3,261,299
202 : 3,249,062
3,259,075
3,276,391
3,279,392
203 : 3,238,891
3,273,513
3,283,727
204 : 3,272,144
205 : 3,259,076
212 : 3,251,310
216 : 3,238,892
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218 : 3,242,871
220 : 3,242,872
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221 : 3,292,555
224 : 3,272,145
227 : 3,259,077
228 : 3,228,348
232 : 3,272,146
3,277,838
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3,291,069
234 : 3,288,081
235 : 3,265,009
236 : 3,273,514
240 : 3,262,396
241 : Re.26,033
248 : 3,242,873

Class 103—Con.

255 : 3,266,438
3,270,688
258 : 3,255,708
3,292,556
260 : 3,234,890
263 : 3,270,689
3,283,728
271 : 3,282,227
600.72: 3,271,886

Class 104

1 : 3,272,147
2 : 3,240,160
3,272,148
3,286,648
3,288,082
7 : 3,230,895
3,250,229
3,270,690
3,274,951
3,274,952
8 : 3,240,161
3,255,709
3,263,624
3,292,557
9 : 3,240,862
3,260,218
3,294,033
10 : 3,292,558
17 : 3,257,962
3,286,649
23 : 3,276,392
25 : 3,236,191
3,238,893
3,265,010
27 : 3,285,194
32 : 3,251,311
88 : 3,227,096
3,261,300
3,262,397
3,263,625
3,291,070
89 : 3,227,097
3,252,427
93 : 3,249,063
3,249,064
3,261,301
3,265,011
3,267,873
94 : 3,236,192
3,236,193
3,253,552
96 : 3,230,896
3,242,874
3,242,875
3,250,230
3,257,963
103 : 3,267,874
106 : 3,286,650
112 : 3,244,113
121 : 3,238,894
3,245,355
126 : 3,286,651
134 : 3,242,876
3,246,608
3,257,964
136 : 3,233,556
147 : 3,229,644
3,286,652
149 : 3,249,065
3,254,608
3,276,393
152 : 3,261,302
155 : 3,277,839
162 : 3,255,710
3,262,398
3,267,875
3,280,759
170 : 3,265,012
172 : 3,227,098
3,229,645
3,230,897
3,233,557
3,244,114
3,247,806
3,254,609
3,260,219
3,265,013
3,266,439
3,269,330
3,274,953
173 : 3,257,965
3,272,149
176 : 3,260,220
3,262,399
178 : 3,274,954
180 : 3,253,553
182 : 3,241,497
205 : 3,257,966
242 : 3,255,711
246 : 3,292,559
252 : 3,285,195
259 : 3,230,898

Class 105

1 : 3,233,558
3,233,559
3 : 3,249,066
4 : 3,230,899
26 : 3,238,896
.1 : 3,232,240
30 : 3,257,967
3,265,014
34 : 3,288,083
3,288,084
61 : 3,251,312
3,285,196
62 : 3,244,115
73 : 3,241,498
3,261,303
3,261,304
3,262,400
3,263,625
3,267,876
75 : 3,232,241
90 : 3,251,313
96 : 3,244,116
.1 : 3,244,117
.2 : 3,273,515
136 : 3,233,560
3,242,877
145 : 3,246,609
3,277,840
147 : 3,252,428
3,263,627
148 : 3,260,221
150 : 3,238,895
3,252,429
153 : 3,237,572
3,276,394
162 : 3,247,807
163 : 3,227,099
3,257,968
165 : 3,286,653
175 : 3,228,349
177 : 3,286,654
179 : 3,254,610
193 : 3,253,554
3,288,085
196 : 3,250,231
197 : 3,240,163
3,245,357
3,254,611
3,254,612
3,254,613
3,260,222
3,261,305
3,286,655
.2 : 3,285,197
199 : 3,255,712
3,257,969
3,270,691
3,286,656
215 : 3,228,350
3,234,891
3,244,118
3,249,067
3,263,628
3,269,331
3,286,657
220 : 3,277,841
224.1 : 3,274,955
.1 : 3,276,395
227 : 3,286,658
238 : 3,244,119
3,252,430
240 : 3,234,892
3,269,332
244 : 3,255,713
246 : 3,245,358
248 : 3,242,878
3,256,836
250 : 3,246,610
3,262,401
253 : Rz.26,093
3,255,714
3,276,396
3,291,071
272 : 3,228,351
276 : 3,238,897
3,240,164
282 : 3,241,499
286 : 3,227,100
305 : 3,245,359
308 : 3,238,898
3,240,165
355 : 3,233,561
358 : 3,227,101
3,277,842
3,282,228
360 : 3,252,431
3,277,843
366 : 3,232,242
366 : 3,251,314
3,257,970
3,260,223
3,269,333
3,272,150
3,294,034
367 : 3,242,879
3,291,072
3,291,073
368 : 3,228,352
3,230,900
3,234,893
3,236,194
3,240,167
3,242,880
3,250,232
3,252,432
3,261,306
3,262,402
3,269,334
3,291,074
3,294,035
369 : 3,227,102
3,241,500
3,241,501
3,251,315
3,257,971
3,263,629
3,277,844
3,282,229
3,291,075
376 : 3,241,502
3,256,837
3,280,760
3,280,761
378 : 3,265,015
392.5 : 3,253,555
.5 : 3,272,151
.5 : 3,273,516
397 : 3,237,573
406 : 3,240,168
3,253,556
409 : Rz.26,131
414 : 3,238,899
3,244,120
416 : 3,266,441
420 : 3,286,659
422 : 3,294,036
454 : 3,228,354
3,237,574
458 : 3,228,355
3,257,972

Class 106

1 : 3,230,097
3,230,098
3,231,396
3,234,031
3,235,392
3,245,809
3,246,994
3,246,995
3,257,215
3,262,790
3,265,511
3,266,912
3,285,754
2 : 3,257,216
3,284,214
3 : 3,248,235
10 : 3,231,397
3,272,637
12 : 3,228,777
13 : 3,244,541
3,284,215
3,287,141
14 : 3,241,983
3,246,996
3,249,447
3,258,346
3,262,791
3,265,512
3,285,755
3,287,142
3,293,050
.5 : 3,248,236
15 : 3,227,563
3,234,032
3,236,659
3,266,913
3,268,347
3,279,928
3,281,252
16 : 3,231,398
3,284,216
18 : 3,279,929
19 : 3,240,613
19 : 3,256,102
21 : 3,238,047
22 : 3,246,997
23 : 3,236,660
3,236,661
27 : 3,245,810
3,282,709
29 : 3,266,914
30 : 3,258,347
31 : 3,249,448
3,272,640
35 : 3,234,033
3,246,998
36 : 3,271,170
38.2 : 3,235,393
.22: 3,253,932
.22: 3,275,460
.25: 3,235,394
.3 : 3,255,024
.35: 3,230,099
.35: 3,232,771
.35: 3,248,237
.35: 3,255,025
.35: 3,258,348
.35: 3,262,792
.35: 3,291,618
.5 : 3,268,348
.5 : 3,282,710
.5 : 3,285,756
.5 : 3,290,160
.6 : 3,278,316
.7 : 3,227,564
.8 : 3,241,984
.8 : 3,266,915
39 : 3,227,565
3,231,399
3,236,662
3,238,048
3,238,049
3,240,614
3,241,985
3,252,809
3,252,810
3,252,811
3,268,349
3,271,171
3,279,930
3,279,931
3,282,711
3,282,712
40 : 3,232,772
3,256,105
3,261,696
3,288,615
41 : 3,258,349
44 : 3,230,100
46 : 3,291,619
47 : 3,231,400
3,241,986
3,248,234
3,250,631
3,253,933
3,253,934
3,258,350
3,278,317
3,278,318
3,281,253
3,281,254
3,291,620
3,293,051
3,294,555
48 : 3,279,932
49 : 3,264,122
50 : 3,274,006
52 : 3,238,050
3,252,812
3,255,026
3,269,847
3,278,319
3,291,621
3,294,556
3,294,557
54 : 3,234,034
3,248,238
3,258,351
3,258,352
3,266,916
3,281,255
3,293,052
3,294,558
3,294,559
3,294,560
3,294,561
55 : 3,251,698
3,256,103
3,256,104
3,262,793
3,274,007
3,287,143
3,291,622
56 : 3,227,566
3,236,663
3,236,664
3,238,051
56 : 3,246,999
3,252,813
3,261,697
3,261,698
3,265,513
3,287,144
3,291,623
57 : 3,228,778
3,231,401
3,232,773
3,247,000
3,249,449
3,252,814
3,285,757
58 : 3,231,402
3,232,774
3,232,775
3,241,987
3,250,632
3,253,935
3,257,217
3,262,794
3,262,795
3,262,796
3,262,797
3,275,461
3,276,882
3,278,320
3,279,933
3,285,758
3,285,759
3,285,760
3,288,616
3,293,053
59 : 3,227,567
3,232,776
3,240,615
3,243,305
3,245,811
3,248,239
3,258,353
3,282,713
3,284,217
3,285,761
60 : 3,248,240
3,285,762
3,288,617
61 : 3,271,172
62 : 3,230,101
3,248,241
3,261,699
3,276,883
63 : 3,245,812
3,247,001
64 : 3,253,936
3,261,700
3,269,848
3,269,849
3,294,562
65 : 3,228,779
3,230,102
3,241,988
3,241,989
3,243,306
3,244,539
3,251,699
3,251,700
3,255,027
3,259,509
3,261,701
3,261,702
3,261,703
3,264,123
3,264,124
3,269,850
3,271,173
3,274,008
3,274,009
3,284,218
67 : 3,227,568
3,244,540
3,285,763
69 : 3,236,665
3,245,813
71 : 3,274,010
72 : 3,236,666
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3,266,917
3,274,011
3,282,715
3,290,161
73 : 3,257,218
74 : 3,241,990
3,294,563
75 : 3,268,350
76 : 3,264,125
85 : 3,279,934
89 : 3,234,035
3,251,701
90 : 3,232,777
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91 : 3,227,569
93 : 3,243,307
3,245,814
97 : 3,232,778
104 : 3,257,219
3,262,798
110 : 3,262,799
117 : 3,230,103
120 : 3,227,570
3,238,052
3,257,220
122 : 3,251,702
3,261,704
3,265,514
123 : 3,253,937
3,293,054
125 : 3,236,667
3,248,242
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3,269,851
3,271,174
3,271,175
3,272,639
3,291,624
129 : 3,285,764
135 : 3,227,571
3,231,403
3,236,668
3,294,564
146 : 3,264,126
147 : 3,284,219
148 : 3,288,618
151 : 3,251,703
160 : 3,264,127
162 : 3,274,012
163 : 3,236,669
3,241,991
3,252,815
3,258,354
164 : 3,249,450
165 : 3,232,779
3,234,036
3,252,816
3,266,918
168 : 3,274,013
169 : 3,252,817
171 : 3,293,055
176 : 3,272,638
177 : 3,247,002
3,248,246
3,274,014
3,291,625
3,293,056
178 : 3,266,919
3,284,220
179 : 3,248,247
181 : 3,240,617
3,241,992
3,248,248
186 : 3,282,716
187 : 3,285,765
191 : 3,259,510
193 : 3,228,780
3,251,704
3,265,515
3,271,176
3,288,619
3,291,626
195 : 3,266,920
3,291,627
196 : 3,275,462
202 : 3,245,815
205 : 3,276,885
3,282,717
208 : 3,255,028
210 : 3,234,037
211 : 3,236,670
212 : 3,261,705
3,293,057
213 : 3,228,781
3,243,308
3,245,816
3,265,516
3,269,852
3,284,221
214 : 3,250,633
217 : 3,252,818
235 : 3,262,800
236 : 3,228,782
238 : 3,272,641
239 : 3,284,222
243 : 3,228,783
3,266,921
3,269,853
3,278,321
244 : 3,252,819
252 : 3,253,938
3,266,922
3,274,015
253 : 3,293,058
263 : 3,259,511
3,260,608
3,260,609
264 : 3,243,309
265 : 3,294,565
269 : 3,282,718
270 : 3,243,310
3,265,517
271 : 3,241,993
3,288,620
272 : 3,252,820
3,271,177
273 : 3,259,512
3,259,513
275 : 3,239,361
277 : 3,230,104
3,236,671
3,244,542
3,276,886
3,276,887
279 : 3,244,543
3,245,817
3,249,451
280 : 3,243,311
281 : 3,249,452
3,274,016
3,276,889
3,281,256
3,287,146
283 : 3,260,610
3,276,890
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285 : 3,272,642
286 : 3,239,362
3,248,249
3,248,250
3,248,251
287 : 3,231,404
3,236,672
3,264,128
3,275,463
3,276,894
3,290,162
3,294,566
288 : 3,228,784
3,236,673
3,256,106
3,259,514
3,262,801
3,266,923
3,275,464
3,276,892
3,287,147
3,288,621
3,290,163
290 : 3,255,029
3,264,129
3,276,893
292 : 3,264,130
297 : 3,262,802
299 : 3,257,221
300 : 3,245,818
3,251,705
3,253,939
304 : 3,276,894
306 : 3,245,819
307 : 3,245,820
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3,248,252
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3,258,355
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3,294,567
308 : 3,266,924
3,290,164
3,290,165
309 : 3,249,453
3,249,454
3,249,455
311 : 3,245,821
316 : 3,239,363
3,250,635
3,253,940
3,262,803
3,291,629

Class 107

1 : 3,227,103
3,228,356
3,230,901
3,232,243
3,241,503
3,242,881
3,244,121
3,245,360
3,249,068
3,265,016
3,266,442
3,277,845
3,277,846
3,279,393
3,285,198
3,288,086
3,291,076
4 : 3,256,838
3,272,152

4 : 3,272,153
3,272,154
3,276,397
3,285,199
3,294,037
3,294,038
7 : 3,292,560
8 : 3,232,244
3,260,225
3,269,335
3,274,956
3,276,398
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3,280,762
3,289,610
9 : 3,257,973
12 : 3,279,395
14 : Re.25,972
3,227,104
3,229,646
3,230,902
3,230,903
3,230,904
3,232,245
3,234,894
3,236,195
3,240,169
3,249,069
3,251,316
3,251,317
3,253,557
3,255,715
3,274,957
3,279,396
3,280,763
3,285,200
3,286,660
3,286,661
17 : 3,230,905
3,255,716
18 : 3,288,087
19 : 3,283,730
27 : 3,285,201
38 : 3,280,764
47 : 3,234,895
3,251,318
3,262,403
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49 : 3,232,246
50 : 3,244,122
52 : 3,262,404
53 : 3,275,508
54 : 3,228,357
3,229,647
3,230,906
3,233,562
3,236,196
3,245,361
3,247,808
3,251,319
3,255,717
3,274,958
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3,285,202
3,288,088
3,294,039
55 : 3,272,155
57 : 3,245,356
3,272,156
58 : 3,267,877
59 : 3,232,247
67 : 3,244,123
68 : 3,270,692
3,274,959
69 : 3,288,089

Class 108

1 : 3,246,611
2 : 3,232,248
3,238,900
3,267,878
3,273,517
5 : 3,250,234
6 : 3,246,612
3,247,809
10 : 3,291,077
11 : 3,267,879
12 : 3,244,124
13 : 3,227,105
3,255,718
14 : 3,227,106
16 : 3,270,693
20 : 3,246,613
25 : 3,244,125
26 : 3,249,070
3,255,719
3,270,694
28 : 3,272,157
3,282,230
31 : 3,245,362
32 : 3,240,170
38 : 3,279,399
42 : 3,232,249
44 : 3,232,250
3,233,563
3,289,611
45 : 3,280,765
46 : 3,266,443
3,267,880
48 : 3,242,882
3,244,126
50 : 3,230,907
3,232,251
3,240,171
3,267,881
3,280,766
3,285,203
3,289,612
51 : 3,227,107
3,251,320
3,255,720
3,260,226
3,267,882
3,272,158
3,277,847
3,284,883
53 : 3,227,108
3,233,564
3,242,884
3,247,810
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3,249,072
3,257,974
3,267,883
3,289,613
3,294,040
54 : 3,251,321
3,266,444
3,267,884
55 : 3,236,197
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3,277,848
3,285,204
56 : 3,256,839
57 : 3,238,901
58 : 3,228,358
3,251,322
3,269,336
3,277,849
3,294,041
59 : 3,259,079
60 : 3,276,399
63 : 3,246,614
64 : 3,261,307
82 : 3,265,017
84 : 3,294,042
89 : 3,227,109
91 : 3,289,614
97 : 3,289,615
105 : 3,273,519
107 : 3,252,433
108 : 3,244,127
109 : 3,265,018
111 : 3,227,110
3,234,896
3,252,434
3,255,721
3,276,400
3,294,043
112 : 3,267,885
113 : 3,245,363
3,276,401
115 : 3,232,252
3,247,811
3,276,402
118 : 3,292,561
119 : 3,265,019
3,285,205
122 : 3,254,614
124 : 3,256,840
125 : 3,237,575
3,245,364
3,266,445
127 : 3,267,886
128 : 3,237,576
129 : 3,227,111
3,265,020
130 : 3,269,337
131 : 3,259,080
132 : 3,291,078
134 : 3,249,073
3,254,615
3,285,206
136 : 3,283,731
137 : 3,242,885
138 : 3,288,090
139 : 3,251,323
142 : 3,230,908
144 : 3,227,112
3,229,648
3,232,253
3,245,365
3,255,722
3,269,338
3,276,403
3,280,767
3,285,207
144 : 3,286,662
3,286,663
145 : 3,245,366
3,257,975
3,261,308
146 : 3,285,208
147 : 3,259,081
3,283,732
3,257,220
148 : 3,227,113
150 : 3,230,909
152 : 3,234,897
3,242,886
3,250,235
3,259,082
3,267,887
153 : 3,230,910
3,244,128
3,262,405
3,266,446
3,267,888
156 : 3,228,359
3,261,309
3,291,079
157 : 3,228,360
3,262,406
3,267,889
158 : 3,263,630
159 : 3,242,887
3,283,733
161 : 3,289,616

Class 109

1 : 3,229,649
3,230,911
7 : 3,286,664
8 : 3,285,209
20 : 3,230,912
63.5 : 3,256,841
74 : 3,269,339
76 : 3,249,074
82 : 3,286,665
84 : 3,228,361

Class 110

1 : 3,234,898
3,240,172
3,249,075
7 : 3,229,650
3,229,651
3,241,504
3,252,435
3,260,227
3,274,960
3,289,617
8 : 3,233,565
3,259,083
3,266,447
3,269,340
3,289,618
9 : 3,227,114
3,230,913
14 : 3,242,888
3,269,341
18 : 3,245,368
3,259,084
3,259,085
3,267,890
19 : 3,236,198
22 : 3,241,505
3,256,842
28 : 3,250,236
3,267,891
3,286,666
.5 : 3,247,816
.5 : 3,276,407
40 : 3,232,254
3,280,768
3,289,619
3,294,044
45 : 3,289,620
3,291,080
56 : 3,238,902
3,273,520
3,274,961
3,280,769
3,280,770
99 : 3,230,914
3,240,173
3,242,889
3,251,324
3,252,436
3,259,086
3,260,228
3,280,771
3,280,772
3,280,773
3,282,231
105.5 : 3,241,506
106 : 3,233,566
128 : 3,282,232
160 : 3,249,076
162 : 3,280,774
165 : 3,228,362
173 : 3,234,899
173 : 3,257,976
175 : 3,282,233
179 : 3,273,521
184 : 3,233,567

Class 111

1 : 3,232,255
3,247,812
3,294,045
2 : 3,246,615
3 : 3,257,977
3,261,310
3,279,400
3,294,046
7 : 3,237,577
3,259,087
3,288,091
3,292,562
14 : 3,277,850
36 : 3,240,174
51 : 3,276,404
71 : 3,272,159
73 : 3,228,363
77 : 3,240,175
86 : 3,251,325
91 : 3,236,199

Class 112

2 : 3,227,115
3,227,116
3,227,117
3,228,364
3,232,256
3,244,129
3,246,616
3,247,813
3,257,978
3,267,892
3,273,522
3,276,405
3,277,851
3 : 3,233,568
10 : 3,227,118
3,227,119
16 : 3,238,903
21 : 3,272,160
25 : 3,265,021
3,292,563
38 : 3,272,161
45 : 3,276,406
51 : 3,282,234
54 : 3,267,893
61 : 3,272,162
64 : 3,261,311
65 : 3,254,616
3,273,523
3,274,962
67 : 3,245,369
77 : 3,233,569
79 : 3,227,120
3,229,652
3,237,578
3,241,507
3,247,814
3,247,815
3,259,088
3,259,089
3,263,631
3,272,163
3,277,852
3,282,235
.5 : 3,247,816
.5 : 3,276,407
80 : 3,229,653
83 : 3,279,401
84 : 3,266,448
90 : 3,246,617
95 : 3,253,558
100 : 3,288,092
104 : 3,267,894
3,288,093
3,291,081
110 : 3,236,200
3,246,618
118 : 3,238,904
3,249,077
3,263,632
3,263,633
122 : 3,257,979
126 : 3,254,617
136 : 3,252,437
3,262,408
147 : 3,262,409
3,277,853
152 : 3,282,236
153 : 3,228,365
3,263,634
158 : 3,229,654
3,229,655
3,238,905
3,242,890
158 : 3,246,619
3,247,817
3,253,559
3,254,618
3,256,843
3,257,980
3,263,635
3,279,402
3,291,082
3,274,964

Class 114

.5 : 3,228,368
.5 : 3,229,656
.5 : 3,249,079
.5 : 3,252,439
.5 : 3,254,620
.5 : 3,261,316
.5 : 3,262,411
.5 : 3,273,526
.5 : 3,279,404
.5 : 3,285,213
.5 : 3,289,621
.5 : 3,294,051
16 : 3,228,369
3,250,238
3,251,328
3,255,723
3,257,982
3,261,317
3,261,318
3,274,965
3,280,775
3,289,622
3,291,086
3,292,564
.7 : 3,291,087
20 : 3,228,370
3,265,023
3,279,405
23 : 3,229,657
3,237,580
3,238,910
3,244,133
3,246,410
3,276,411
39 : 3,238,911
3,272,167
3,291,088
43.5 : 3,273,527
.5 : 3,279,406
45 : 3,265,024
3,270,698
50 : 3,269,342
51 : 3,228,371
3,280,776
52 : 3,282,238
53 : 3,263,638
54 : 3,286,672
56 : 3,237,581
3,267,896
60 : 3,265,025
61 : 3,265,026
3,273,528
62 : 3,274,966
65 : 3,253,565
3,291,089
66 : 3,254,621
.5 : Re.26,059
.5 : 3,227,122
.5 : 3,227,123
.5 : 3,230,918
.5 : 3,232,261
.5 : 3,236,202
.5 : 3,237,582
.5 : 3,241,511
.5 : 3,247,820
.5 : 3,247,821
.5 : 3,259,092
.5 : 3,259,093
.5 : 3,260,229
.5 : 3,265,027
.5 : 3,267,897
.5 : 3,270,699
.5 : 3,279,407
.5 : 3,285,214
.5 : 3,286,673
.5 : 3,288,096
.5 : 3,294,052
67 : 3,230,919
3,267,898
3,286,674
3,289,623
70 : 3,280,777
73 : 3,255,724
3,279,408
3,288,097
74 : 3,247,822
3,270,700
3,272,168
3,276,412
3,280,778
3,280,779
74 : 3,283,734
3,286,675
3,288,098
3,289,624
75 : 3,274,967
77 : 3,265,028
85 : 3,246,623
102 : 3,228,372
3,251,329
3,260,230
3,285,215
3,286,676
103 : 3,274,968
104 : 3,269,343
106 : 3,280,780
109 : 3,291,090
121 : 3,270,701
122 : 3,265,029
3,285,216
123 : 3,244,134
3,276,413
125 : 3,256,847
3,256,848
3,257,983
3,260,231
3,269,344
3,269,345
3,269,346
3,270,702
3,270,703
3,272,169
3,272,170
3,279,409
3,282,239
3,286,677
126 : 3,260,232
3,286,678
132 : 3,291,091
144 : 3,232,262
3,237,583
3,237,584
3,249,080
3,259,094
3,263,639
3,263,640
3,280,781
145 : 3,272,171
147 : 3,251,330
150 : 3,253,566
3,259,095
151 : 3,237,585
3,256,849
3,259,096
3,283,735
152 : 3,249,081
153 : 3,288,099
162 : 3,230,920
3,269,347
163 : 3,237,586
166 : 3,244,135
172 : 3,279,410
182 : 3,265,030
183 : 3,289,625
187 : 3,242,893
3,265,031
200 : 3,289,626
202 : 3,285,217
206 : 3,262,412
3,263,641
3,280,782
3,291,092
207 : 3,277,857
3,285,218
208 : 3,249,082
3,263,642
3,269,348
3,270,704
3,274,969
3,280,783
3,283,736
3,286,679
3,291,093
3,292,565
210 : 3,242,894
3,252,440
3,261,319
3,279,411
3,279,412
3,279,413
3,294,052
218 : 3,232,263
3,265,032
3,270,705
3,291,094
219 : 3,261,320
3,276,414
3,286,680
3,292,566
221 : 3,257,984
222 : 3,227,124
3,241,512
3,251,331
230 : 3,237,587
3,238,912
3,280,784

Class 114–Con.

230 : 3,289,627
235 : 3,233,571
3,241,513
3,242,895
3,245,373
3,251,332
3,257,985
3,257,986
3,267,899
3,291,095
3,292,567
3,294,053
236 : 3,237,588

Class 115

.5 : 3,240,179
.5 : 3,240,180
.5 : 3,253,567
.5 : 3,254,622
.5 : 3,274,970
.5 : 3,279,414
.5 : 3,292,568
1 : 3,227,125
3,229,658
3,237,589
3,238,913
3,242,896
3,250,239
3,263,643
3,266,453
3,269,349
3,272,172
3,280,785
6.1 : 3,227,126
.1 : 3,242,897
.1 : 3,277,858
11 : 3,253,568
3,288,100
12 : 3,249,083
15 : 3,259,097
16 : 3,233,573
3,276,415
3,283,737
17 : 3,240,181
3,250,240
3,279,415
18 : 3,251,333
3,269,350
3,269,351
3,283,738
3,285,219
19 : 3,233,574
3,236,203
3,256,850
22 : 3,257,987
.3 : 3,272,173
23 : 3,259,098
24 : 3,232,264
25 : 3,244,136
3,249,084
3,285,220
26 : 3,242,898
28 : 3,279,416
34 : 3,234,902
3,259,099
3,259,100
3,273,529
3,286,681
35 : 3,238,914
3,253,569
3,256,851
3,256,852
3,266,454
3,270,706
37 : 3,289,628
3,294,054
41 : 3,242,899
3,245,374
3,282,240
3,285,221
49 : 3,251,334
70 : 3,262,413
3,270,707
3,279,417
3,280,786
3,294,055

Class 116

14 : 3,280,787
27 : 3,257,988
28 : 3,232,265
3,255,725
3,261,321
3,262,414
3,276,416
3,294,056
31 : 3,270,708
32 : 3,263,644
34 : 3,260,233
3,276,417
34 : 3,285,222
55 : 3,288,101
56 : 3,266,455
63 : 3,234,903
3,247,823
3,250,241
3,253,570
3,256,853
3,262,415
3,289,629
3,291,096
3,292,569
65 : 3,269,352
67 : 3,230,921
3,267,900
3,277,859
3,282,241
70 : 3,232,266
3,241,514
3,246,624
3,247,824
3,250,242
3,279,418
102 : 3,292,570
106 : 3,244,137
114 : 3,230,922
3,237,590
3,253,571
3,259,101
3,260,234
3,267,901
3,282,242
.5 : 3,253,572
.5 : 3,277,860
116 : 3,276,418
117 : 3,251,335
118 : 3,244,138
3,272,174
119 : 3,266,456
120 : 3,280,788
121 : 3,227,127
124 : 3,233,575
3,237,591
3,241,515
3,242,900
3,253,573
3,263,645
3,269,353
3,279,419
3,280,789
.1 : 3,227,128
.1 : 3,227,129
.1 : 3,236,204
.1 : 3,279,420
.4 : 3,240,182
125 : 3,238,915
129 : 3,238,916
3,245,375
3,262,416
3,263,646
3,266,457
132 : 3,251,336
3,294,057
133 : 3,249,085
3,259,102
3,263,647
135 : 3,229,659
3,262,417
3,270,709
136.5 : 3,289,630
137 : 3,230,923
3,230,924
3,232,267
3,259,103
3,273,530
3,276,419
3,277,861
3,292,571
138 : 3,276,420
151 : 3,250,243
171 : 3,253,574
173 : 3,237,592
3,240,183
3,241,516
3,242,901
3,266,458
3,280,790
3,286,682

Class 117

1 : 3,282,720
2 : 3,227,572
3,265,518
3,279,936
3,287,148
3.1 : 3,275,465
.2 : 3,274,017
.3 : 3,235,395
4 : 3,244,544
3,245,822
5.1 : 3,240,618
6 : 3,235,396
3,253,941
7 : 3,244,545
3,252,821
3,255,030
3,271,178
3,282,721
3,284,223
3,285,766
3,288,622
8 : 3,231,405
3,262,804
3,265,519
3,265,520
3,285,767
3,288,623
3,294,568
9 : 3,232,780
3,239,364
10 : 3,236,674
3,278,322
3,281,257
3,281,258
11 : 3,239,365
3,241,994
3,262,805
3,272,643
3,274,018
3,281,259
3,285,768
15 : 3,259,515
3,276,904
3,287,149
16 : 3,274,019
3,282,722
17 : 3,248,253
.5 : 3,238,053
.5 : 3,244,546
.5 : 3,245,823
.5 : 3,250,636
.5 : 3,251,706
.5 : 3,257,222
.5 : 3,257,223
.5 : 3,257,224
.5 : 3,262,806
.5 : 3,272,644
.5 : 3,278,323
.5 : 3,279,937
.5 : 3,284,224
.5 : 3,287,150
.5 : 3,293,059
18 : 3,230,105
3,245,824
3,247,004
3,260,611
3,261,707
3,291,630
19 : 3,291,631
21 : 3,264,131
3,268,351
3,288,624
22 : 3,241,995
3,249,456
3,265,521
3,285,769
23 : 3,278,324
25 : 3,247,005
3,249,457
3,260,612
3,265,522
26 : 3,276,895
27 : 3,255,031
3,266,925
3,278,325
30 : 3,252,822
31 : 3,264,132
32 : 3,227,573
33 : 3,257,225
3,261,706
3,272,645
.3 : 3,235,397
.3 : 3,244,547
.3 : 3,268,352
.3 : 3,271,179
.3 : 3,272,646
.3 : 3,279,938
.3 : 3,281,260
.3 : 3,288,625
.5 : 3,232,781
.5 : 3,264,133
.5 : 3,265,523
.5 : 3,275,466
.5 : 3,278,326
.5 : 3,285,770
.5 : 3,287,151
.5 : 3,288,626
.5 : 3,294,569
.5 : 3,294,570
34 : 3,261,708
3,261,709
3,262,807
3,287,152
35 : 3,284,225
.5 : 3,250,637
36.1 : 3,239,366
.1 : 3,256,107
36.1 : 3,287,153
.2 : 3,241,996
.2 : 3,244,548
.2 : 3,244,549
.2 : 3,244,550
.2 : 3,278,327
.2 : 3,293,060
.3 : 3,243,312
.3 : 3,256,108
.3 : 3,294,571
.7 : 3,228,785
.7 : 3,247,006
.8 : 3,265,524
.8 : 3,288,627
.8 : 3,293,061
.9 : 3,241,997
.9 : 3,249,458
.9 : 3,260,613
.9 : 3,287,154
37 : 3,231,406
3,235,398
3,241,998
3,247,007
3,261,023
3,276,896
3,290,166
3,290,167
38 : 3,230,106
3,240,619
3,241,999
3,243,313
3,244,558
3,245,825
3,255,032
3,256,109
3,271,180
3,288,628
3,293,062
43 : 3,251,707
45 : 3,227,574
3,231,407
3,293,063
46 : 3,231,408
3,231,409
3,238,054
3,242,000
3,247,008
3,249,459
3,259,516
3,260,614
3,271,181
3,275,467
3,281,261
3,288,629
3,293,064
3,293,065
47 : 3,236,675
3,245,826
3,250,638
3,250,639
3,255,033
3,255,034
3,262,808
3,268,353
3,269,854
3,271,182
3,271,183
3,278,328
3,282,723
3,294,572
49 : 3,227,575
3,261,710
3,265,525
3,294,573
50 : 3,253,942
3,265,526
3,281,262
52 : 3,244,551
54 : 3,232,782
3,259,517
3,284,226
3,287,155
3,291,632
56 : 3,247,009
3,256,110
60 : 3,248,254
3,284,227
62 : 3,228,786
3,255,035
3,265,527
3,266,926
3,278,329
3,281,263
3,288,630
.1 : 3,288,631
.2 : 3,232,783
.2 : 3,236,676
.2 : 3,250,640
.2 : 3,257,234
.2 : 3,269,855
.2 : 3,276,897
.2 : 3,282,724
63 : 3,275,468
64 : 3,257,226
64 : 3,268,354
3,282,725
65.2 : 3,238,055
.2 : 3,271,184
.2 : 3,284,228
66 : 3,257,227
67 : 3,244,552
68 : 3,239,367
3,274,020
3,282,726
3,288,632
3,293,066
3,293,067
.5 : 3,236,677
.5 : 3,282,727
.5 : 3,285,771
69 : 3,249,462
3,264,135
3,293,068
3,293,069
70 : 3,249,460
3,269,856
3,288,633
71 : 3,234,038
3,242,001
3,244,553
3,251,708
3,290,168
72 : 3,234,039
3,240,620
3,258,356
3,262,809
3,287,156
73 : 3,247,010
3,260,615
75 : 3,228,787
3,231,410
3,272,647
3,276,905
3,285,772
76 : 3,227,576
3,231,411
3,231,412
3,232,784
3,232,785
3,234,040
3,235,399
3,236,678
3,242,002
3,245,827
3,249,461
3,249,463
3,249,464
3,251,709
3,257,228
3,259,518
3,268,355
3,275,469
3,276,898
3,276,899
85 : 3,256,111
92 : 3,247,011
93.1 : 3,239,368
.1 : 3,276,900
.1 : 3,279,939
.2 : 3,240,621
.2 : 3,256,112
.2 : 3,261,711
.3 : 3,281,264
.31: 3,247,012
.31: 3,250,641
.31: 3,250,642
.4 : 3,236,679
.4 : 3,245,828
.4 : 3,260,616
.41: 3,290,169
94 : 3,253,943
3,278,330
3,279,940
3,294,574
95 : 3,236,680
3,265,528
3,269,857
3,294,575
97 : 3,247,013
98 : 3,232,786
3,238,056
3,249,465
3,266,927
3,284,229
3,294,576
100 : 3,231,413
3,236,681
3,238,057
3,245,829
3,247,014
3,248,255
3,251,428
3,252,823
3,253,944
3,255,036
3,257,229
3,259,519
3,260,617
100 : 3,271,185
3,271,186
3,282,728
3,284,230
3,291,633
3,293,070
102 : 3,227,577
3,231,414
3,231,415
3,234,041
3,235,400
3,235,401
3,238,058
3,238,059
3,251,710
3,260,618
3,271,187
3,287,157
104 : 3,293,071
105.2 : 3,231,416
.2 : 3,231,417
.2 : 3,238,060
.3 : 3,242,003
.3 : 3,255,037
.5 : 3,257,231
.5 : 3,276,901
106 : 3,240,623
3,248,256
3,253,945
3,275,470
3,276,902
3,281,265
107.1 : 3,278,331
.2 : 3,232,787
.2 : 3,244,554
.2 : 3,252,824
.2 : 3,253,946
.2 : 3,257,230
.2 : 3,276,903
109 : 3,251,711
3,268,356
111 : 3,228,788
3,231,418
113 : 3,251,712
114 : 3,261,712
3,274,027
3,287,158
3,287,159
115 : 3,235,402
118 : 3,228,789
3,245,830
3,256,113
3,284,231
119.2 : 3,258,357
120 : 3,255,038
122 : 3,231,419
3,251,713
3,268,357
123 : 3,288,634
124 : 3,249,466
3,279,941
3,279,942
126 : 3,232,788
3,234,042
3,239,369
3,248,257
3,252,825
3,253,947
3,253,948
3,262,810
127 : 3,236,682
128.4 : 3,235,403
.4 : 3,288,635
129 : 3,266,928
3,278,332
3,285,773
130 : 3,235,404
3,266,929
3,274,021
3,274,022
3,281,266
3,288,636
3,294,578
131 : 3,268,358
3,290,170
132 : 3,236,683
3,256,114
3,257,232
3,266,930
3,268,359
3,271,188
3,287,160
135.1 : 3,236,684
.5 : 3,265,529
.5 : 3,291,634
136 : 3,242,004
3,268,360
3,276,906
3,285,774
137 : 3,247,015
3,247,016
138.5 : 3,291,635
.8 : 3,228,790
.8 : 3,228,791
138.8 : 3,228,792
.8 : 3,232,789
.8 : 3,236,685
.8 : 3,238,061
.8 : 3,239,370
.8 : 3,240,622
.8 : 3,247,017
.8 : 3,248,258
.8 : 3,252,826
.8 : 3,259,520
.8 : 3,264,136
.8 : 3,266,931
.8 : 3,271,189
.8 : 3,271,190
.8 : 3,274,026
.8 : 3,278,333
.8 : 3,279,943
.8 : 3,279,944
.8 : 3,282,729
.8 : 3,284,232
.8 : 3,293,072
.8 : 3,294,577
139.4 : 3,234,043
.4 : 3,293,073
.5 : 3,232,790
.5 : 3,245,831
.5 : 3,247,018
.5 : 3,248,259
.5 : 3,257,233
.5 : 3,258,358
.5 : 3,272,648
140 : 3,284,233
3,285,775
3,294,579
3,294,580
3,294,581
142 : 3,231,420
3,245,832
3,262,811
3,269,858
3,269,859
3,274,023
143 : 3,230,107
145 : 3,232,791
154 : 3,227,578
3,230,108
3,284,234
155 : 3,239,371
3,269,860
3,281,267
3,294,582
160 : 3,242,005
3,262,812
3,290,171
161 : Re.25,993
3,227,579
3,228,793
3,248,260
3,262,813
3,279,945
169 : 3,271,191
3,275,471
200 : 3,274,024
201 : 3,232,792
3,238,062
3,239,372
3,242,006
3,242,007
3,243,314
3,245,833
3,248,261
3,251,714
3,252,827
3,252,835
3,264,137
3,266,932
3,268,361
3,279,946
3,284,235
3,293,074
205 : 3,253,949
206 : 3,235,405
3,253,950
207 : 3,252,828
211 : 3,252,829
3,293,075
212 : 3,228,794
3,230,109
3,231,421
3,234,044
3,239,373
3,239,374
3,239,375
3,239,376
3,240,624
3,244,555
3,244,556
3,244,557
3,249,467
3,251,715
3,253,951
3,261,713
3,269,861
3,282,730

212 : 3,287,161
3,288,637
3,291,636
3,291,637
213 : 3,227,580
3,231,422
3,240,625
3,258,359
3,288,638
3,288,639
3,293,076
215 : 3,244,559
3,253,952
3,255,039
216 : 3,265,531
217 : 3,243,315
3,247,019
3,252,830
3,252,831
3,265,532
3,271,192
3,274,025
3,279,947
3,293,077
218 : 3,240,626
3,269,862
222 : 3,236,686
226 : 3,243,316
3,247,020
227 : 3,227,581
3,252,832
3,262,814
3,268,362
3,271,193
3,294,583
228 : 3,230,110
229 : 3,239,377
230 : 3,284,236
3,287,162
231 : 3,234,045
3,252,833
3,252,834
3,291,638
232 : 3,230,111
3,291,639

Class 118

1 : 3,241,517
3,255,726
3,262,418
3,266,459
3,283,739
3,292,572
2 : 3,245,376
3,246,625
3,252,441
3,277,862
3,279,421
3,279,422
3,286,683
3,288,102
6 : 3,249,086
3,250,244
3,279,423
7 : 3,230,925
3,233,576
3,237,593
3,237,594
3,241,518
3,255,727
3,262,419
3,276,421
3,292,573
8 : 3,229,660
3,249,087
3,252,442
3,259,104
11 : 3,227,130
3,227,131
3,244,139
3,294,058
24 : 3,230,926
3,280,791
3,283,740
30 : 3,277,863
33 : 3,238,917
38 : 3,250,245
3,266,460
41 : 3,244,140
42 : 3,237,595
47 : 3,261,322
48 : 3,244,141
3,251,337
3,286,684
49 : 3,227,132
3,241,519
3,246,626
3,246,627
3,272,175
3,282,243
.1 : 3,227,133
.1 : 3,233,577
.1 : 3,233,578
49.1 : 3,236,205
.1 : 3,238,918
.1 : 3,260,235
.1 : 3,263,648
.1 : 3,277,864
.1 : 3,286,685
.5 : 3,228,373
.5 : 3,277,865
.5 : 3,292,574
.5 : 3,294,059
50 : 3,233,579
52 : 3,280,792
56 : 3,270,710
57 : 3,262,420
58 : 3,250,246
61 : 3,265,033
62 : 3,237,596
3,241,520
63 : 3,251,338
3,272,176
64 : 3,285,223
67 : 3,269,354
68 : 3,265,034
3,288,103
76 : 3,262,421
3,286,686
3,288,104
3,288,105
100 : 3,277,866
3,288,106
103 : 3,256,854
108 : 3,240,184
109 : 3,291,097
119 : 3,245,377
3,279,424
122 : 3,229,661
3,241,521
3,251,339
3,254,623
123 : 3,244,142
126 : 3,229,662
3,245,378
3,282,244
202 : 3,255,728
3,272,177
3,273,531
3,273,532
3,279,425
203 : 3,280,793
204 : 3,277,867
211 : 3,265,035
212 : 3,255,729
213 : 3,251,340
219 : 3,269,355
224 : 3,284,570
227 : 3,246,628
3,279,426
234 : 3,232,268
3,266,461
3,288,107
235 : 3,273,533
239 : 3,274,971
3,286,687
241 : 3,253,575
244 : 3,289,631
247 : 3,240,185
249 : 3,237,597
3,272,178
250 : 3,245,379
258 : 3,288,108
260 : 3,241,522
261 : 3,232,269
3,294,060
262 : 3,244,143
3,283,741
263 : 3,262,422
3,282,245
264 : 3,282,246
268 : 3,254,624
301 : 3,280,794
302 : 3,251,341
305 : 3,257,989
308 : 3,238,919
3,252,165
3,273,534
309 : 3,262,423
312 : 3,244,144
313 : 3,280,795
315 : 3,227,134
3,237,598
316 : 3,288,109
317 : 3,230,927
3,233,580
3,233,581
3,250,247
3,279,427
321 : 3,276,422
322 : 3,283,742
323 : 3,282,247
3,286,688
324 : 3,245,380
404 : 3,233,582
405 : 3,285,224
3,292,575
407 : 3,252,443
408 : 3,227,135
410 : 3,227,136
3,273,535
3,277,868
3,285,225
411 : 3,233,583
3,286,689
412 : 3,289,632
413 : 3,230,928
3,273,536
429 : 3,233,584
3,292,576
501 : 3,279,428
504 : 3,276,423
3,286,690
600 : 3,233,585
3,250,248
603 : 3,292,577
612 : 3,254,625
3,282,248
620 : 3,282,249
624 : 3,255,730
627 : 3,270,711
3,279,429
637 : 3,233,586
3,233,587
3,238,821
3,238,920
3,238,921
3,242,902
3,245,381
3,246,629
3,247,825
3,249,088
3,249,089
3,254,626
3,256,855
3,263,649
3,276,424
3,276,425
3,276,426
638 : 3,234,904
640 : 3,269,356
642 : 3,267,902

Class 119

1 : 3,227,137
3,227,138
3,230,929
3,232,270
3,233,588
3,240,186
3,246,630
3,256,856
3,256,857
3,260,236
3,260,237
3,267,903
3,276,427
3,283,743
3,286,691
3,292,578
3 : 3,236,206
3,255,731
3,279,430
4 : 3,294,061
3,294,062
5 : 3,232,271
3,232,272
3,234,905
3,244,145
3,247,826
3,260,238
3,276,428
3,288,110
3,291,098
3,292,579
6 : 3,230,930
14.01: 3,289,633
.02: 3,234,906
.02: 3,236,207
.02: 3,294,063
.03: 3,246,631
.04: 3,261,323
.04: 3,282,250
.08: 3,279,431
.11: 3,242,903
.16: 3,232,273
.18: 3,228,374
.28: 3,236,208
.36: 3,270,712
.46: 3,292,580
.49: 3,272,179
.52: 3,255,732
.52: 3,289,634
.54: 3,233,589
15 : 3,238,922
3,279,432
.5 : 3,255,733
6 : 3,294,064
16 : 3,229,663
3,256,858
16 : 3,261,324
3,269,357
3,283,744
17 : 3,227,139
3,228,375
3,234,907
3,244,146
3,254,627
3,270,713
3,292,581
3,292,582
18 : 3,244,147
3,251,342
3,256,859
3,285,226
19 : 3,234,908
3,237,599
3,256,860
3,280,796
20 : 3,237,600
3,263,650
3,276,429
23 : 3,244,148
3,250,249
3,282,251
25 : 3,294,065
28 : 3,228,376
3,229,664
3,230,931
3,283,745
29 : 3,244,149
3,259,105
3,291,099
45 : 3,234,909
3,292,583
48 : 3,237,601
3,241,523
3,242,904
3,274,972
51 : 3,230,932
3,241,524
3,253,576
3,259,106
3,263,651
3,265,036
3,273,537
3,279,433
3,291,100
3,292,584
.11: 3,234,910
.11: 3,234,911
.11: 3,256,861
.11: 3,256,862
.11: 3,266,462
.11: 3,274,973
.11: 3,282,252
.11: 3,294,066
.12: 3,232,274
.12: 3,269,358
.12: 3,273,538
.5 : 3,233,590
52 : 3,229,665
3,244,150
3,249,090
3,250,250
3,252,444
3,256,863
3,272,180
3,273,539
3,285,230
3,286,692
3,288,111
3,292,585
3,292,586
53 : 3,230,933
3,234,912
55 : 3,241,525
56 : 3,234,913
3,242,905
3,256,864
3,279,434
3,279,435
3,279,436
3,292,587
59 : 3,252,445
3,269,359
61 : 3,241,526
3,285,227
63 : 3,234,914
3,267,904
72.5 : 3,228,377
.5 : 3,263,652
.5 : 3,289,635
74 : 3,292,588
75 : 3,262,424
76 : 3,272,181
77 : 3,292,589
81 : 3,277,869
3,283,746
3,285,229
82 : 3,241,527
3,253,577
3,272,182
95 : 3,270,714
96 : 3,245,382
3,257,990
3,266,463
3,276,430
3,276,431
3,276,432
97 : 3,234,915
3,254,628
3,260,239
98 : 3,229,666
3,237,602
3,245,383
3,250,251
99 : 3,237,603
103 : 3,229,667
3,244,151
3,250,252
3,266,464
3,274,974
3,276,433
3,286,693
3,286,694
3,292,590
109 : 3,233,591
3,250,253
3,267,905
110 : 3,288,112
144 : 3,273,540
153 : 3,292,591
157 : 3,229,668
3,238,923
3,238,924
3,283,747
3,283,748
3,285,231
158 : 3,263,653
200.7 : 3,275,109

Class 120

1 : 3,228,378
3,234,916
3,249,091
3,257,991
3,274,975
3,282,253
3,294,067
7.5 : 3,251,343
13 : 3,249,092
15 : 3,232,275
3,232,276
3,232,277
3,288,113
18 : 3,289,636
3,289,637
28 : 3,238,925
3,265,037
3,272,183
32 : 3,260,240
35 : 3,238,926
36 : 3,254,629
3,261,325
38 : 3,262,425
41 : 3,253,578
3,270,715
42.01: 3,252,446
.03: 3,230,934
.03: 3,232,278
.03: 3,237,604
.03: 3,260,241
.03: 3,272,184
.03: 3,273,541
.03: 3,280,797
.03: 3,285,228
.03: 3,288,114
.03: 3,288,115
.03: 3,289,638
.03: 3,289,639
.03: 3,291,101
.03: 3,292,592
.03: 3,292,593
.06: 3,229,669
.1 : 3,250,254
.1 : 3,251,344
.1 : 3,282,254
.1 : 3,288,116
.13: 3,233,592
.13: 3,233,593
.13: 3,237,605
.13: 3,260,242
.13: 3,262,426
.13: 3,262,427
.13: 3,266,465
.13: 3,274,976
.13: 3,292,594
.13: 3,294,068
.4 : 3,230,935
.4 : 3,232,279
.4 : 3,234,917
.4 : 3,242,906
.4 : 3,261,326
.4 : 3,282,255
44 : 3,286,695
3,292,595
45.4 : 3,233,594
.4 : 3,234,918
.4 : 3,237,606
.6 : 3,247,828
46 : 3,238,927
3,246,632
3,291,102
50 : 3,242,907
3,289,640
3,292,596
54 : 3,250,255
64 : 3,252,447
82 : 3,250,256
89 : 3,254,630
91 : 3,276,434
93 : 3,250,257
95 : 3,229,670
96 : 3,227,140
3,237,607
3,279,437
3,289,641
108 : 3,245,384

Class 122

1 : 3,280,798
3,294,069
2 : 3,251,345
3,265,038
3,265,039
4 : 3,244,152
3,263,654
3,265,040
6 : 3,247,829
3,277,870
3,280,799
.5 : 3,241,528
.6 : 3,234,919
.6 : 3,255,734
7 : 3,227,141
3,233,595
3,234,920
3,246,633
3,254,631
3,260,243
3,269,360
3,279,438
11 : 3,242,908
17 : 3,251,346
3,265,041
32 : 3,254,633
3,261,327
3,267,906
3,294,070
33 : 3,236,209
3,236,210
3,236,211
3,237,608
3,246,634
3,260,244
3,273,542
3,291,103
34 : 3,227,142
3,242,909
3,250,258
3,262,428
3,267,907
3,279,439
3,286,696
115 : 3,269,361
3,272,185
136 : 3,233,596
3,236,212
3,259,107
3,266,466
149 : 3,230,936
3,232,280
3,238,928
3,259,108
3,262,429
3,265,042
3,276,435
3,282,256
176 : 3,249,093
225 : 3,261,328
235 : 3,233,597
3,247,830
3,254,634
3,259,109
3,262,430
3,267,908
3,269,362
240 : 3,237,609
3,237,610
3,254,635
3,274,977
3,289,642
3,291,104
3,292,597
250 : 3,247,831
3,267,909
3,282,257
265 : 3,242,910
328 : 3,257,992
336 : 3,272,186
356 : 3,227,143
3,237,611
3,259,110
3,267,910
3,269,363
3,269,465
3,274,978
3,276,436
360 : 3,265,043
376 : 3,263,655
379 : 3,261,329
3,269,364
392 : 3,257,993
3,269,365
3,269,366
3,273,543
3,274,979
3,276,437
406 : 3,237,612
3,240,187
3,242,911
3,245,385
3,250,259
3,255,735
3,259,111
3,262,431
3,267,911
3,288,117
3,289,643
3,289,644
3,291,105
3,292,598
407 : 3,240,188
409 : 3,241,529
410 : 3,241,530
3,279,440
448 : 3,261,330
3,261,331
3,269,367
451 : 3,230,937
3,247,832
3,260,245
3,260,246
3,267,912
459 : 3,270,716
3,279,441
478 : 3,229,671
479 : 3,246,635
3,261,332
3,261,333
3,269,368
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481 : 3,285,232
491 : 3,256,865
494 : 3,232,281
498 : 3,252,448
504 : 3,253,579
.1 : 3,227,144
510 : 3,228,379
3,229,672
3,232,282
3,259,112
3,263,656
3,265,044
3,266,467
3,267,913
3,267,914
3,267,915
3,277,871
3,277,872
3,280,800
3,289,645
3,292,599

Class 123

1 : 3,279,442
3,283,749
8 : 3,229,673
3,229,674
3,229,675
3,234,921
3,234,922
3,236,213
3,238,929
3,240,189
3,242,912
3,244,153
3,244,154
3,244,155
3,245,386
3,245,387
3,245,388
3,246,636
3,249,094
3,249,095
3,253,580
3,253,581
3,253,582
3,253,583
3,255,736
3,255,737
3,255,738

Class 123—Con.

8 : 3,259,113
3,259,114
3,259,115
3,260,247
3,261,334
3,261,335
3,263,657
3,265,045
3,265,046
3,266,468
3,266,469
3,269,369
3,269,370
3,269,371
3,269,372
3,269,373
3,270,717
3,270,718
3,270,719
3,270,720
3,273,544
3,274,980
3,277,873
3,280,801
3,280,802
3,283,750
3,286,697
3,286,698
3,286,699
3,286,700
3,286,701
3,288,118
3,288,119
3,288,120
3,288,121
3,289,646
3,289,647
3,289,648
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3,289,651
3,292,600
3,292,601
11 : 3,241,531
3,244,156
3,251,347
3,256,866
3,280,803
3,282,258
3,288,122
3,292,602
3,294,071
12 : 3,237,613
13 : 3,260,248
14 : 3,244,157
3,251,348
3,262,432
3,280,804
15 : 3,245,389
3,289,652
16 : 3,227,145
3,230,938
3,249,096
3,250,260
3,256,867
3,263,658
3,266,470
3,289,653
17 : 3,289,654
25 : 3,236,214
30 : 3,240,190
3,274,981
32 : 3,229,676
3,230,939
3,238,930
3,238,931
3,240,191
3,240,192
3,241,532
3,242,913
3,244,158
3,244,159
3,247,833
3,251,349
3,253,584
3,255,739
3,257,994
3,259,116
3,263,659
3,270,721
3,270,722
3,272,187
3,283,751
3,294,072
41 : 3,282,259
.02: 3,228,380
.05: 3,236,215
.08: 3,228,381
.09: 3,255,740
.1 : 3,246,637
.10: 3,242,914
41.11: 3,272,188
.12: 3,228,382
.12: 3,265,047
.12: 3,266,471
.14: 3,265,048
.15: 3,261,336
.16: 3,233,599
.31: 3,261,337
.33: 3,232,283
.35: 3,240,193
.35: 3,265,049
.36: 3,230,940
.36: 3,230,941
.36: 3,230,942
.36: 3,230,943
.44: 3,256,868
.47: 3,273,545
.49: 3,237,614
.5 : 3,238,932
.65: 3,252,449
.72: 3,246,638
.72: 3,279,443
.74: 3,233,598
.86: 3,257,995
.86: 3,279,444
43 : 3,229,677
3,270,723
3,292,603
44 : 3,279,445
3,289,655
46 : 3,255,741
3,255,742
3,260,249
3,267,916
3,283,752
48 : 3,266,472
52 : 3,247,834
55 : 3,280,805
3,282,260
56 : 3,230,944
3,267,917
3,274,982
57 : 3,288,123
59 : 3,269,374
3,270,724
3,276,438
3,289,656
65 : 3,240,194
66 : Re.26,103
69 : 3,249,097
73 : 3,227,146
3,256,869
3,257,996
3,257,997
3,257,998
3,262,433
78 : 3,254,636
90 : Re.25,974
3,238,933
3,240,195
3,251,350
3,254,637
3,257,999
3,261,338
3,262,434
3,262,435
3,267,918
3,269,375
3,270,725
3,270,726
3,270,727
3,272,189
3,272,190
3,273,546
3,273,547
3,273,548
3,274,983
3,277,874
3,279,446
3,280,806
3,280,807
3,286,702
3,289,657
3,289,658
3,291,107
3,292,604
97 : 3,234,923
3,234,924
3,240,196
3,254,638
3,256,870
3,289,659
98 : 3,267,920
3,276,439
102 : 3,249,098
3,270,728
103 : 3,241,533
3,249,099
3,250,261
3,266,473
3,269,376
3,270,729
117 : 3,249,100
117 : 3,252,450
3,252,451
3,272,191
3,277,875
119 : 3,230,945
3,232,284
3,234,925
3,236,216
3,237,615
3,237,616
3,237,617
3,241,534
3,241,535
3,241,536
3,241,537
3,242,915
3,246,639
3,250,262
3,250,263
3,255,743
3,256,871
3,259,117
3,260,250
3,262,436
3,262,437
3,263,660
3,263,661
3,265,050
3,266,474
3,269,377
3,270,730
3,272,192
3,273,161
3,273,549
3,273,550
3,277,876
3,279,447
3,280,808
3,282,261
3,294,073
122 : 3,237,618
3,286,703
124 : 3,274,984
3,294,074
127 : 3,250,264
136 : 3,236,217
3,277,877
139 : 3,227,147
3,234,926
3,236,218
3,236,219
3,238,934
3,240,197
3,267,921
3,269,378
3,274,985
3,285,233
3,289,660
140 : 3,230,946
3,234,927
3,253,585
3,263,662
3,288,124
3,289,661
142.5 : 3,234,928
.5 : 3,236,220
.5 : 3,245,390
143 : 3,279,448
146.5 : 3,234,929
.5 : 3,237,619
148 : 3,228,383
3,237,620
3,240,198
3,240,199
3,241,538
3,242,916
3,244,160
3,251,351
3,251,352
3,259,118
3,260,251
3,261,339
3,262,438
3,265,051
3,270,731
3,280,809
3,280,810
3,285,234
3,288,125
3,291,108
3,291,109
3,291,110
3,292,605
3,294,076
169 : 3,292,606
179 : 3,236,221
3,250,265
3,267,922
3,270,732
3,280,811
3,288,126
182 : 3,247,835
182 : 3,255,744
185 : 3,252,452
187.5 : 3,259,119
188 : 3,228,384
3,260,252
3,265,052
3,265,053
3,270,733
3,273,551
3,285,235
3,286,704
195 : 3,263,663
196 : 3,229,678
3,280,812
198 : 3,241,539
3,246,640
3,246,641
3,260,253
3,273,552

Class 124

3 : 3,273,553
4 : 3,294,077
5 : 3,282,262
7 : 3,241,540
3,245,391
3,252,453
3,254,639
3,261,340
3,262,439
8 : 3,244,132
3,246,642
10 : 3,255,745
3,279,449
11 : 3,227,148
3,228,385
3,233,600
3,236,222
3,236,223
3,240,200
3,261,341
3,269,379
3,288,127
13 : 3,233,601
3,251,353
14 : 3,253,586
15 : 3,233,602
3,245,392
3,247,836
3,262,440
16 : 3,254,640
17 : 3,240,201
20 : 3,270,734
3,272,193
3,277,878
3,285,236
21 : 3,232,285
22 : 3,262,441
3,265,054
23 : 3,238,935
3,253,587
3,256,872
3,258,000
3,291,111
3,294,078
24 : 3,232,286
3,244,161
3,245,393
3,262,442
3,265,055
25 : 3,242,917
3,269,380
26 : 3,256,873
3,270,735
3,272,194
3,277,879
27 : 3,241,541
3,274,986
29 : 3,261,342
30 : 3,267,923
41 : 3,285,237
3,292,607
45 : 3,263,664
53 : 3,236,224

Class 125

5 : 3,260,254
3,263,665
3,263,666
11 : 3,240,202
3,242,918
3,244,162
3,263,667
3,263,668
3,266,475
3,269,381
3,273,554
3,273,555
13 : 3,289,663
14 : 3,289,662
15 : 3,247,837
15 : 3,254,641
3,282,263
3,288,128
16 : 3,263,669
3,263,670
3,265,056
3,272,195
24 : 3,240,203
30 : 3,266,476
90 : 3,267,919

Class 126

4 : 3,227,149
3,280,813
5 : 3,291,112
9 : 3,249,101
3,285,238
19 : 3,241,545
3,251,354
3,266,477
3,270,736
3,280,814
3,291,113
.5 : 3,288,129
20 : 3,279,450
21 : Re.26,063
3,255,746
3,259,120
3,261,343
3,279,451
24 : 3,230,947
25 : Re.26,123
3,230,948
3,236,225
3,237,621
3,244,163
3,247,827
3,258,001
3,266,478
3,270,737
3,273,556
3,274,987
3,276,440
3,279,452
3,279,453
3,285,239
3,286,705
3,291,114
30 : 3,261,344
37 : 3,289,664
38 : 3,229,679
3,272,196
3,294,079
39 : 3,241,542
3,241,543
3,259,121
3,274,988
3,276,441
40 : 3,251,355
3,277,880
3,277,881
41 : 3,247,838
3,267,924
3,267,925
58 : 3,244,164
59.5 : 3,245,394
.5 : 3,258,002
.5 : 3,258,003
.5 : 3,261,345
.5 : 3,261,346
.5 : 3,263,671
.5 : 3,279,454
.5 : 3,292,608
77 : 3,237,622
85 : 3,266,479
90 : 3,234,930
91 : 3,267,927
3,285,240
92 : 3,228,386
3,229,680
3,251,356
3,260,255
3,265,057
3,279,455
3,289,665
3,291,115
3,291,116
101 : 3,236,226
3,269,382
106 : 3,227,150
109 : 3,227,151
3,240,204
3,245,395
3,245,396
3,263,672
3,266,480
110 : 3,227,152
3,246,643
3,258,004
3,265,058
3,267,928
3,267,929
110 : 3,270,738
3,274,989
3,274,990
3,274,991
3,283,753
113 : 3,240,205
3,247,839
3,249,102
3,250,266
3,252,454
3,262,443
3,262,444
3,263,673
3,266,481
3,274,992
3,274,993
3,291,117
3,294,080
3,294,081
114 : 3,233,603
3,280,815
116 : 3,241,544
3,245,397
3,254,642
3,294,082
120 : 3,241,546
3,260,256
3,289,666
121 : 3,240,206
127 : 3,277,882
138 : 3,228,387
3,260,257
152 : 3,245,398
164 : 3,269,383
165 : 3,289,667
191 : 3,242,919
3,250,267
3,263,674
194 : 3,286,706
200 : 3,228,388
3,241,547
3,244,165
3,250,268
3,267,930
3,273,557
3,276,442
204 : 3,229,681
211 : 3,263,675
3,279,456
215 : 3,263,676
3,288,130
247 : 3,245,399
261 : 3,245,400
262 : 3,262,445
263 : 3,233,604
3,252,455
3,261,347
270 : 3,229,682
3,234,931
3,236,227
3,247,840
3,279,457
271 : 3,227,153
3,250,269
3,252,456
3,254,643
3,254,644
3,270,739
3,273,558
3,277,883
3,277,884
.1 : 3,232,287
.1 : 3,289,668
.2 : 3,233,605
.2 : 3,259,122
.2 : 3,279,458
.2 : 3,291,118
275 : 3,266,482
3,266,483
3,270,740
285 : 3,228,389
3,245,401
288 : 3,261,348
3,269,384
293 : 3,236,228
299 : 3,233,606
307 : 3,272,197
337 : 3,266,484
343.5 : 3,228,390
.5 : 3,236,229
.5 : 3,259,123
.5 : 3,270,741
.5 : 3,277,885
344 : 3,246,644
350 : 3,277,886
3,291,119
355 : 3,251,357
360 : 3,241,548
3,266,485
3,269,385
3,276,443
362 : 3,229,683
3,244,166
362 : 3,258,005
3,285,241
368 : 3,292,609
381 : 3,251,358
391 : 3,266,486

Class 127

5 : 3,275,472
6 : 3,244,560
7 : 3,227,582
3,231,423
12 : 3,245,834
15 : 3,247,021
17 : 3,272,649
19 : 3,238,063
3,257,235
3,290,172
22 : 3,249,468
28 : 3,234,046
3,276,907
30 : 3,285,776
32 : 3,255,040
3,256,115
37 : 3,251,716
3,266,933
38 : 3,236,687
3,265,533
40 : 3,276,908
43 : 3,248,262
45 : 3,248,263
46 : 3,244,561
50 : 3,232,793
3,248,264
58 : 3,257,665
60 : 3,239,378
3,271,194
61 : 3,257,236
63 : 3,239,379
3,255,041
3,290,173
68 : 3,251,717
69 : 3,238,064
3,255,042
71 : 3,252,836

Class 128

1 : 3,265,059
3,266,487
3,267,931
3,272,198
3,272,199
3,292,610
3,292,611
.3 : 3,280,816
2 : 3,227,154
3,229,684
3,230,949
3,241,549
3,245,402
3,245,403
3,247,841
3,253,588
3,256,874
3,258,006
3,258,007
3,269,386
3,273,559
3,274,994
3,274,995
3,289,669
3,289,670
3,291,120
3,294,083
.05: 3,227,155
.05: 3,228,391
.05: 3,229,685
.05: 3,229,686
.05: 3,230,950
.05: 3,230,951
.05: 3,236,230
.05: 3,240,207
.05: 3,242,920
.05: 3,249,105
.05: 3,252,459
.05: 3,258,009
.05: 3,267,932
.05: 3,279,459
.05: 3,280,817
.06: 3,229,687
.06: 3,267,933
.06: 3,267,934
.06: 3,294,084
.07: 3,250,270
.08: 3,232,288
.1 : 3,246,645
.1 : 3,249,103
.1 : 3,258,008
.1 : 3,259,124
.1 : 3,289,671
6 : 3,244,167
3,261,349

6 : 3,261,350
3,261,351
3,269,387
3,279,460
3,294,085
8 : 3,256,875
12 : 3,241,550
17 : 3,246,646
20 : 3,227,156
3,288,131
23 : 3,285,242
24 : 3,237,623
3,286,707
3,286,708
3,288,132
3,288,133
.3 : 3,238,936
25 : 3,229,688
3,286,709
3,292,612
27 : 3,265,060
28 : 3,263,677
29 : 3,229,689
3,234,932
3,242,921
3,251,359
3,252,457
3,256,876
3,260,258
3,262,446
3,265,061
3,265,062
3,266,488
3,267,935
3,283,754
3,286,710
30 : 3,269,388
33 : 3,244,168
3,279,461
36 : 3,234,933
3,291,123
38 : 3,227,157
40 : 3,236,231
3,238,937
3,286,711
3,292,613
51 : 3,241,551
52 : 3,254,645
53 : 3,234,934
3,277,887
3,289,672
3,291,124
55 : 3,228,392
56 : 3,272,200
57 : 3,279,462
3,289,673
3,292,614
62 : 3,279,463
63 : 3,283,755
64 : 3,233,607
3,279,464
66 : 3,227,158
3,234,935
3,240,208
3,263,678
3,267,936
3,272,201
3,273,560
3,283,756
3,286,712
3,288,134
3,292,615
71 : 3,289,674
75 : 3,276,444
3,285,243
3,285,244
76 : 3,238,938
3,245,404
.5 : 3,277,888
78 : 3,274,996
3,274,997
3,282,264
3,292,616
3,294,086
80 : 3,230,952
3,265,063
81 : 3,234,936
82 : 3,244,169
83.5 : 3,263,679
85 : 3,274,998
87 : Re.26,046
3,232,289
3,245,405
3,260,259
3,277,889
91 : 3,236,232
3,282,265
3,294,087
92 : 3,228,393
3,242,922
3,244,170
3,255,747
3,256,877
95 : 3,234,937
3,247,842
3,261,352
3,265,064
96 : 3,259,125
107 : 3,236,233
127 : 3,261,353
130 : 3,230,953
3,234,938
3,250,271
3,253,590
3,256,878
3,291,125
3,242,924
132 : 3,251,360
3,256,879
3,262,448
3,262,449
3,288,135
133 : 3,253,589
3,256,880
3,288,136
3,288,137
134 : 3,236,234
3,247,843
3,259,126
3,265,065
136 : 3,236,235
3,247,844
3,250,272
139 : 3,288,138
140 : 3,262,447
141 : 3,227,159
3,232,290
3,234,939
3,249,106
3,258,010
3,259,127
142 : 3,228,394
3,238,943
3,241,552
3,249,107
3,252,458
3,266,489
3,277,890
3,292,617
3,292,618
.4 : 3,291,126
145 : 3,265,066
.07: 3,291,121
.8 : 3,291,122
146 : 3,234,940
3,249,108
3,276,445
147 : 3,266,490
149 : 3,255,748
3,260,261
152 : 3,259,128
153 : 3,229,690
3,244,171
3,244,172
3,244,173
3,253,592
3,255,752
3,259,130
3,291,128
154 : 3,234,941
156 : 3,229,691
3,232,291
3,241,553
3,245,406
3,247,845
3,256,881
3,273,561
3,274,999
3,277,891
3,285,245
3,286,713
3,288,139
3,292,619
157 : 3,263,681
3,263,682
158 : 3,229,692
159 : 3,250,273
165 : 3,238,939
3,256,882
169 : 3,233,608
3,255,749
171 : 3,227,160
3,247,846
.1 : 3,228,400
3,247,847
.1 : 3,259,131
3,247,848
.1 : 3,270,744
3,270,742
.1 : 3,272,203
3,279,465
172 : 3,232,292
.1 : 3,234,942
.1 : 3,259,129
.1 : 3,277,892
.1 : 3,292,620
173 : 3,247,849
3,261,354
3,292,621
3,292,622
185 : 3,236,236
188 : 3,251,361
3,276,446
191 : 3,294,088
196 : 3,265,067
198 : 3,255,750
198 : 3,269,389
203 : 3,292,623
204 : 3,255,751
205 : 3,238,940
207 : 3,291,127
209 : 3,282,266
214 : Re.26,006
Re.26,124
3,228,395
3,228,397
3,230,954
359 : 3,283,758
360 : 3,267,937
399 : 3,282,267
400 : 3,238,944
401 : 3,254,652
402 : 3,292,628
404 : 3,270,746
405 : 3,253,595
407 : 3,230,957
410 : 3,279,468
418 : 3,244,174
419 : 3,236,239
3,258,013
420 : 3,294,092
421 : 3,236,240
3,241,555
3,241,556
3,253,596
3,255,753
422 : 3,241,557
3,245,408
423 : 3,261,358
439 : 3,292,629
442 : 3,234,946
443 : 3,246,648
463 : 3,254,653
465 : 3,244,175
473 : 3,252,460
479 : 3,247,853
3,255,754
3,266,495
3,285,247
483 : 3,256,886
3,291,132
489 : 3,263,685
494 : 3,260,262
505 : 3,276,449
3,280,818
510 : 3,227,185
3,229,694
519 : 3,234,947
3,249,110
521 : Re.26,021
3,253,597
3,253,598
525 : 3,280,819
526 : 3,261,359
3,279,469
528 : 3,245,409
3,246,649
3,246,650
3,253,599
3,262,453
3,270,747
3,270,748
3,283,759
530 : 3,255,755
538 : 3,228,401
541 : 3,245,410
546 : 3,285,248
548 : 3,238,945
3,255,756
552 : 3,259,133
555 : 3,236,241
556 : 3,255,757
579 : 3,273,563
580 : 3,246,651
581 : 3,244,176
3,275,002
582 : 3,253,600
586 : 3,265,071
594 : 3,253,601
595 : 3,244,177
617 : 3,238,946
702.1 : 3,287,033

Class 129

1 : 3,229,695
3,233,611
3,236,242
3,245,411
3,262,454
3,262,455
3,276,450
3,294,093
8 : 3,283,760
12 : 3,254,654
13 : 3,288,143
15 : 3,282,268
16 : 3,233,612
3,244,178
16 : 3,245,412
3,250,274
3,250,275
3,260,263
3,266,496
3,269,390
3,273,564
3,279,470
3,279,471
3,282,269
.1 : 3,240,210
.1 : 3,247,854
.1 : 3,251,362
.1 : 3,263,686
.1 : 3,266,497
.1 : 3,272,205
.1 : 3,273,565
.1 : 3,273,566
.1 : 3,273,567
.1 : 3,277,896
.1 : 3,283,761
.3 : 3,283,762
.5 : 3,292,635
.7 : 3,279,476
.7 : 3,294,095
.7 : 3,294,096
.7 : 3,237,626
.7 : 3,249,111
.7 : 3,249,112
.7 : 3,251,363
.7 : 3,255,758
.7 : 3,263,688
.7 : 3,269,391
.7 : 3,275,003
.7 : 3,275,004
.7 : 3,288,144
.8 : 3,238,947
.8 : 3,244,179
17 : 3,252,461
18 : 3,253,602
3,267,938
19 : 3,279,472
3,279,473
3,279,474
20 : 3,265,072
3,280,820
3,291,132
3,292,632
22 : 3,265,073
23 : 3,260,264
24 : 3,246,652
3,251,364
3,253,603
3,255,759
3,263,687
3,270,749
3,275,005
3,280,821
25 : 3,263,689
3,285,250
3,285,251
26 : 3,250,276
3,269,392
3,291,134
28 : 3,267,939
29 : 3,280,822
30 : 3,227,163
31 : 3,237,627
3,286,714
35 : 3,261,360
3,289,676
37 : 3,272,206
3,285,252
38 : 3,252,462
3,267,940
41 : 3,238,948
3,246,653
43 : 3,292,633
528 : 3,237,298

Class 130

5 : 3,245,413
3,250,277
26 : 3,261,362
3,276,451
27 : 3,229,696
3,238,949
3,247,855
3,256,887
3,259,134
30 : 3,238,950
3,240,211
3,252,463
3,252,464
3,259,135
3,294,094

Class 131

3 : 3,292,634
4 : 3,244,180
3,276,453
3,265,074
3,267,941
7 : 3,273,568
8 : 3,230,958
3,255,760
3,260,265
9 : 3,236,243
3,240,212
10 : 3,232,294
3,234,948
3,234,949
3,236,244
3,240,213
3,242,925
3,246,654
3,246,655
3,251,365
3,255,761
3,270,750
3,279,475
3,280,823
3,288,146
3,288,148
3,240,214
3,256,888
3,256,889
3,238,952
3,245,415
170 : 3,232,298
3,250,279
171 : 3,258,015
173 : 3,250,280
3,256,890
175 : 3,237,629
176 : 3,230,959
3,246,656
182 : 3,283,763
183 : 3,241,559
3,275,006
3,292,638
184 : 3,294,098
186 : 3,259,137
187 : 3,260,266
198 : 3,232,299
3,265,074
3,267,941
198 : 3,270,751
3,282,271
3,286,715
3,289,678
202 : 3,254,655
204 : 3,292,639
208 : 3,227,164
3,229,699
210 : 3,269,394
229 : 3,279,477
235 : 3,234,951
3,269,395
3,285,254
3,292,640
237 : 3,277,898
240 : 3,270,752
3,276,455
241 : 3,273,569
243 : 3,263,690
3,283,764
246 : 3,256,891
3,288,149
247 : 3,269,396
256 : 3,283,765
3,291,138
257 : 3,263,691
261 : 3,288,150
262 : 3,288,151
3,291,139
3,291,140
266 : 3,279,478
267 : 3,285,255
3,288,152

Class 132

5 : 3,245,416
3,280,826
7 : 3,289,679
3,292,641
9 : 3,241,560
3,249,113
3,262,459
3,265,075
3,270,753
3,272,208
33 : 3,291,141
36.2 : 3,228,403
38 : 3,255,765
39 : 3,232,300
3,234,952
3,294,099
40 : 3,241,561
3,258,016
3,260,267
3,267,942
3,275,007
3,276,456
3,286,716
3,289,680
3,291,142
41 : 3,250,281
42 : 3,232,301
3,245,417
45 : 3,233,614
3,241,562
3,260,268
3,272,209
46 : 3,247,856
3,250,282
3,277,899
3,279,479
49 : 3,265,076
52 : 3,236,246
53 : 3,266,500
3,273,570
73 : 3,228,404
3,277,900
.6 : 3,255,766
.6 : 3,292,642
74.5 : 3,285,256
79 : 3,237,630
3,246,657
3,258,017
3,262,461
80 : 3,277,901
3,292,643
83 : 3,233,615
3,256,892
84 : 3,227,165
3,234,953
3,242,928
3,256,893
3,256,894
3,261,367
3,292,644
3,294,100
88.5 : 3,245,418
.5 : 3,258,018
.7 : 3,230,960
91 : 3,236,247
92 : 3,289,681
93 : 3,247,857

Class 132—Con.

123 : 3,260,269
150 : 3,277,902

Class 133

1 : 3,282,272
2 : 3,242,929
3,245,419
3 : 3,237,631
3,238,953
3,277,903
4 : 3,251,369
3,280,827
5 : 3,244,185
3,276,457
6 : 3,232,302
3,242,930
3,242,931
3,255,767
3,266,501
3,277,904
8 : 3,229,700
3,240,215
3,242,932
3,246,658
3,249,114
3,253,604
3,265,077
3,273,571
3,277,905
3,279,480
3,286,717
3,288,153

Class 134

1 : 3,245,835
3,291,640
2 : 3,250,643
3,264,138
3,285,777
3 : 3,260,619
3,290,174
4 : 3,236,688
7 : 3,272,696
8 : 3,285,728
10 : 3,281,268
11 : 3,238,065
15 : 3,243,317
20 : 3,234,047
21 : 3,272,651
22 : 3,259,521
3,266,934
3,281,269
3,288,640
3,294,584
25 : 3,243,318
27 : 3,240,627
34 : 3,236,689
3,272,652
37 : 3,242,008
38 : 3,231,424
41 : 3,231,425
3,250,644
3,282,731
44 : 3,285,779
45 : 3,259,138
46 : 3,247,858
47 : 3,259,139
57 : 3,241,563
3,266,502
3,276,458
3,277,906
3,279,481
3,292,645
58 : 3,236,248
3,288,154
3,294,101
60 : 3,230,961
67 : 3,292,646
68 : 3,242,933
3,291,143
72 : 3,229,701
3,262,460
3,267,943
80 : 3,240,216
89 : 3,229,702
92 : 3,250,283
94 : 3,227,166
99 : 3,242,934
3,258,019
100 : 3,229,703
101 : 3,245,420
102 : 3,282,273
3,285,780
104 : 3,261,368
3,273,572
3,273,573
3,291,144
105 : 3,246,659
3,254,656
108 : 3,277,907
109 : 3,227,167
110 : 3,270,754
117 : 3,280,828
123 : 3,261,369
125 : 3,289,682
127 : 3,241,564
140 : 3,286,718
141 : 3,269,397
142 : 3,237,632
145 : 3,279,482
147 : 3,261,370
3,289,683
164 : 3,276,459
3,277,908
166 : 3,265,078
167 : 3,236,249
3,246,660
3,265,079
3,291,145
168 : 3,261,371
169 : 3,227,168
176 : 3,288,155
3,288,156
179 : 3,267,944
186 : 3,294,102

Class 135

1 : 3,227,169
3,228,405
3,233,617
3,244,186
3,251,370
3,254,657
3,255,768
3,256,895
3,258,020
3,259,140
3,270,755
3,289,684
3 : 3,240,217
3,255,769
3,263,692
3,269,398
3,273,574
3,282,274
3,285,257
4 : 3,228,406
3,230,962
3,256,896
3,266,503
5 : 3,233,618
3,242,935
3,288,157
3,288,158
6 : 3,238,954
3,285,258
3,285,259
7.1 : 3,285,260
8 : 3,288,159
15 : 3,280,829
16 : 3,245,421
19.5 : 3,280,830
20 : 3,252,468
3,252,469
3,282,275
26 : 3,234,954
3,244,187
3,245,422
28 : 3,254,658
3,277,909
43 : 3,258,021
45 : 3,289,685
47 : 3,251,371
49 : 3,280,831
50 : 3,254,659
3,272,210
51 : 3,269,399
52 : 3,269,400
62 : 3,273,575
64 : 3,251,372

Class 136

3 : 3,278,334
4 : 3,231,426
3,232,794
3,234,048
3,240,628
3,247,022
3,249,469
3,249,470
3,272,659
6 : 3,227,583
3,239,380
3,242,009
3,248,265
3,257,237
3,258,360
3,261,714
3,268,363
3,272,653
3,287,163
3,288,641
9 : 3,287,164
13 : 3,281,271
14 : 3,230,112
3,250,645
3,257,238
3,285,781
3,288,642
20 : 3,282,732
24 : 3,258,361
3,284,237
3,288,643
26 : 3,244,562
3,265,534
27 : 3,244,563
3,259,522
3,291,641
28 : 3,230,113
3,234,049
29 : 3,228,795
3,274,028
3,281,272
30 : 3,264,139
33 : 3,227,584
36 : 3,262,815
3,269,863
40 : 3,247,023
43 : 3,266,935
50 : 3,261,715
53 : 3,266,936
54 : 3,253,954
3,265,535
64 : 3,275,473
65 : 3,287,165
67 : 3,228,796
3,271,195
3,272,654
68 : 3,236,690
3,287,166
75 : 3,248,266
3,258,362
78 : 3,269,864
80 : 3,269,865
81 : 3,264,140
83 : 3,231,427
3,245,836
3,253,955
3,279,948
3,293,078
85 : 3,278,335
86 : 3,227,585
3,228,797
3,228,798
3,230,114
3,231,428
3,234,050
3,235,406
3,235,407
3,236,691
3,236,692
3,236,693
3,238,066
3,239,382
3,239,383
3,242,010
3,244,564
3,248,267
3,251,718
3,252,837
3,252,838
3,252,839
3,253,953
3,253,956
3,253,957
3,253,958
3,255,044
3,255,045
3,255,046
3,256,116
3,257,239
3,258,363
3,258,364
3,259,523
3,259,524
3,260,620
3,261,716
3,261,717
3,265,536
3,266,937
3,266,938
3,266,939
3,266,940
3,266,941
3,268,364
3,268,365
3,269,866
3,269,867
3,271,196
3,271,197
3,274,029
3,275,474
3,275,475
3,275,476
3,276,909
3,276,910
86 : 3,278,336
3,279,949
3,279,950
3,281,273
3,281,274
3,281,275
3,282,733
3,282,734
3,282,735
3,282,736
3,284,238
3,284,239
3,284,240
3,287,167
3,287,168
3,287,169
3,288,644
3,288,645
3,288,646
3,288,647
3,288,648
3,291,642
3,291,643
3,293,079
3,293,080
3,294,585
3,294,586
3,294,587
3,294,588
89 : 3,232,795
3,255,047
3,268,366
3,271,198
3,274,030
3,278,337
3,284,241
3,290,175
90 : 3,235,408
3,238,067
3,239,384
3,239,385
3,257,240
3,257,241
3,258,365
3,261,718
3,266,942
3,275,477
3,284,242
3,291,644
3,294,589
100 : 3,228,799
3,228,800
3,236,694
3,240,629
3,255,048
3,257,242
3,258,366
3,258,367
3,258,368
3,272,655
3,278,338
3,279,951
3,279,952
3,285,782
3,287,170
3,288,649
102 : 3,236,695
107 : 3,253,959
3,253,960
3,255,049
3,278,339
3,281,276
3,281,277
3,281,278
3,281,279
3,281,280
3,281,281
3,285,783
3,288,650
3,288,651
3,291,645
3,291,646
111 : 3,230,115
113 : 3,228,801
3,257,243
114 : 3,269,868
120 : 3,231,429
3,238,068
3,238,069
3,239,386
3,242,011
3,250,646
3,253,961
3,262,816
3,266,943
3,274,031
3,276,911
3,282,737
3,282,738
3,284,243
3,287,171
3,288,652
3,288,653
3,294,590
121 : 3,262,817
122 : 3,281,282
3,287,172
126 : 3,236,696
132 : 3,282,739
133 : 3,276,912
3,279,953
3,285,784
3,294,591
134 : 3,242,012
3,245,837
3,253,962
3,261,719
3,264,141
135 : 3,262,818
137 : 3,260,621
138 : 3,242,013
140 : 3,247,024
145 : 3,228,802
3,228,803
3,272,656
146 : 3,235,409
3,239,381
3,245,838
3,245,839
3,247,025
3,269,869
148 : 3,272,657
3,275,478
157 : 3,271,199
160 : 3,238,070
3,290,176
162 : 3,236,697
163 : 3,235,410
168 : 3,228,804
3,235,411
3,285,785
170 : 3,235,412
3,258,369
3,276,913
3,282,740
171 : 3,248,268
174 : 3,269,870
175 : 3,265,537
176 : 3,259,525
3,281,283
177 : 3,253,963
3,265,538
3,284,244
3,287,173
178 : 3,256,117
3,262,819
3,278,340
3,293,081
179 : 3,287,174
181 : 3,253,964
182 : 3,287,175
201 : 3,255,043
3,272,658
202 : 3,262,820
3,276,914
203 : 3,269,871
204 : 3,287,176
3,290,177
3,291,647
205 : 3,261,720
3,272,660
3,276,915
3,279,954
3,279,955
3,285,786
206 : 3,293,082
208 : 3,269,872
3,269,873
211 : 3,269,874
3,282,741
212 : 3,269,875
3,284,245
3,291,648
217 : 3,291,649
219 : 3,265,539
221 : 3,266,944
3,279,956
230 : 3,293,083
231 : 3,284,246
3,285,787
232 : 3,281,270
233 : 3,275,479
3,278,341
3,284,247
234 : 3,288,654
3,294,592
238 : 3,261,721
242 : 3,290,178
913 : 3,239,387

Class 137

1 : 3,230,963
3,230,969
3,233,619
3,238,955
3,282,276
3,292,647
2 : 3,233,620
3,273,576
3 : 3,228,407
3,259,141
3,266,504
3,276,460
3,282,277
12 : 3,265,080
13 : 3,269,401
3,270,756
3,273,577
15 : 3,244,188
3,256,897
3,260,270
3,263,693
3,272,211
17 : 3,291,146
3,291,147
18 : 3,228,408
3,258,022
19 : 3,242,936
3,267,945
25 : 3,275,008
3,276,461
26 : 3,282,278
27 : 3,288,160
29 : 3,277,911
34 : 3,238,956
35 : 3,279,483
36 : 3,260,271
3,263,694
3,275,009
3,292,648
37 : 3,279,484
38 : 3,238,957
3,266,505
39 : 3,242,937
47 : 3,240,218
50 : 3,279,485
53 : 3,251,373
3,275,010
3,275,011
54 : 3,241,565
3,265,081
3,266,506
3,277,910
3,279,486
56 : 3,288,161
3,292,649
63 : 3,232,303
3,242,938
3,250,284
66 : 3,236,252
3,254,660
67 : 3,242,939
68 : 3,260,272
3,273,578
70 : 3,247,859
3,254,661
73 : 3,227,170
3,277,912
3,289,686
74 : 3,229,704
3,245,423
3,269,402
76 : 3,275,012
80 : 3,273,579
81.5 : 3,228,410
.5 : 3,228,411
.5 : 3,229,705
.5 : 3,232,305
.5 : 3,233,621
.5 : 3,233,622
.5 : 3,234,955
.5 : 3,238,958
.5 : 3,238,959
.5 : 3,238,960
.5 : 3,238,961
.5 : 3,240,219
.5 : 3,240,220
.5 : 3,240,221
.5 : 3,244,189
.5 : 3,246,661
.5 : 3,247,860
.5 : 3,247,861
.5 : 3,250,285
.5 : 3,253,605
.5 : 3,256,899
.5 : 3,258,023
.5 : 3,258,024
.5 : 3,261,372
.5 : 3,263,695
.5 : 3,266,507
.5 : 3,266,508
81.5 : 3,266,509
.5 : 3,266,510
.5 : 3,266,511
.5 : 3,266,512
.5 : 3,266,513
.5 : 3,266,514
.5 : 3,267,946
.5 : 3,267,947
.5 : 3,267,948
.5 : 3,267,949
.5 : 3,269,419
.5 : 3,270,758
.5 : 3,270,759
.5 : 3,270,760
.5 : 3,272,212
.5 : 3,272,213
.5 : 3,272,214
.5 : 3,272,215
.5 : 3,275,013
.5 : 3,275,014
.5 : 3,275,015
.5 : 3,275,016
.5 : 3,276,463
.5 : 3,276,464
.5 : 3,277,913
.5 : 3,277,914
.5 : 3,277,915
.5 : 3,279,488
.5 : 3,279,489
.5 : 3,280,837
.5 : 3,282,279
.5 : 3,282,280
.5 : 3,282,281
.5 : 3,282,282
.5 : 3,283,766
.5 : 3,283,767
.5 : 3,283,768
.5 : 3,285,262
.5 : 3,285,263
.5 : 3,285,264
.5 : 3,289,687
.5 : 3,294,103
82 : 3,237,633
3,237,634
3,246,662
3,283,769
83 : 3,262,462
3,275,017
3,282,283
3,283,770
3,286,719
85 : 3,233,623
3,244,190
3,245,424
3,250,286
3,252,471
3,258,025
3,260,273
3,262,463
3,266,515
3,279,490
3,283,771
86 : 3,238,962
3,245,425
3,254,662
3,263,696
3,266,516
3,285,266
87 : 3,227,171
3,240,222
3,277,916
88 : 3,256,900
3,270,761
3,275,018
90 : 3,250,287
92 : 3,249,115
93 : 3,256,901
3,256,902
3,273,580
3,292,650
98 : 3,270,762
3,277,917
99 : 3,272,216
3,275,019
100 : 3,241,566
101.19: 3,272,217
102 : 3,229,706
3,246,663
3,252,472
3,272,218
3,285,267
103 : 3,256,903
107 : 3,276,465
3,283,772
108 : 3,246,664
3,270,763
3,273,581
3,294,104
110 : 3,282,284
3,294,105
3,294,106
111 : 3,273,582
3,292,651
112 : 3,245,426

112 : 3,267,950
3,272,219
3,273,583
113 : 3,260,274
114 : 3,237,635
3,289,688
115 : 3,237,636
3,253,606
3,285,268
116.3 : 3,227,172
.3 : 3,250,288
.3 : 3,270,764
.5 : 3,232,306
.5 : 3,234,956
.5 : 3,240,223
.5 : 3,272,220
.5 : 3,282,285
117 : 3,234,957
3,253,607
3,283,773
118 : 3,285,269
119 : 3,232,307
3,232,308
3,236,253
3,265,082
3,277,918
3,282,286
3,286,720
124 : 3,294,107
145 : 3,233,616
155 : 3,270,765
3,294,108
170.1 : 3,238,963
.1 : 3,277,924
174 : 3,251,374
3,252,473
183 : 3,267,951
185 : 3,283,774
192 : 3,227,173
3,269,403
3,279,491
195 : 3,275,020
199 : 3,269,404
202 : 3,230,965
3,230,966
3,259,142
3,285,270
204 : 3,262,464
209 : 3,273,584
3,275,021
218 : 3,242,940
3,286,721
3,286,722
219 : 3,240,224
3,254,663
3,260,275
220 : 3,238,964
3,253,608
221 : 3,275,022
3,289,689
223 : 3,288,162
224.5 : 3,232,309
.5 : 3,283,775
227 : 3,230,968
234.5 : 3,260,276
236 : 3,229,707
3,230,967
240 : 3,228,412
3,240,225
3,273,585
242 : 3,288,163
244 : 3,254,664
3,289,690
246 : 3,292,652
.11: 3,280,835
.12: 3,229,708
.12: 3,253,609
.13: 3,282,287
.14: 3,279,492
.22: 3,246,665
.22: 3,270,766
247.13: 3,250,289
251 : 3,237,637
3,285,271
256 : 3,285,272
262 : 3,249,116
268 : 3,229,709
3,246,666
3,255,770
3,265,083
3,270,767
3,273,586
269 : 3,253,610
270 : 3,232,310
3,272,221
271 : 3,232,311
3,244,191
272 : 3,285,273
298 : 3,294,109
301 : 3,283,776
302 : 3,244,192
312 : 3,246,667
315 : 3,229,710
3,232,312
315 : 3,246,668
3,249,117
3,272,222
3,275,023
3,275,024
487.5 : 3,279,496
488 : 3,238,966
489 : 3,269,407
3,275,027
490 : 3,241,567
491 : 3,272,227
3,276,468
492 : 3,294,111
493 : 3,245,428
3,256,906
3,272,228
.2 : 3,280,838
494 : 3,233,626
3,234,959
3,236,255
3,280,839
3,294,112
495 : 3,273,589
3,276,469
496 : 3,289,691
501 : 3,246,669
3,251,377
504 : 3,254,667
505 : 3,289,692
3,289,782
3,295,282
.12: 3,229,717
.12: 3,265,088
.12: 3,272,232
.13: 3,266,520
.14: 3,283,779
.15: 3,232,316
.15: 3,237,641
.16: 3,265,089
.16: 3,292,659
.17: 3,242,945
.17: 3,251,378
.18: 3,254,672
.18: 3,270,774
.2 : 3,247,867
.2 : 3,262,467
599 : 3,253,615
3,272,233
3,286,731
.1 : 3,227,175
.1 : 3,238,969
.1 : 3,289,696
.2 : 3,292,660
601 : 3,227,176
3,240,229
3,241,568
3,261,373
3,267,962
3,275,031
3,286,732
604 : 3,230,972
606 : 3,249,120
3,250,295
3,280,841
3,289,697
607 : 3,277,921
608 : 3,229,718
3,234,963
3,234,964
3,237,642
3,240,230
3,259,145
3,275,032
3,282,291
609 : 3,270,775
610 : 3,228,420
612 : 3,238,970
.1 : 3,269,410
.1 : 3,280,834
613 : 3,269,411
3,275,033
3,277,922
614.01: 3,289,698
.02: 3,254,673
.03: 3,276,474
.03: 3,279,497
.03: 3,285,283
.03: 3,289,699
.04: 3,234,965
.04: 3,267,963
.04: 3,283,780
.04: 3,289,700
.04: 3,291,152
.05: 3,236,251
.11: 3,237,643
.11: 3,238,971
.15: 3,282,292
.19: 3,282,293
.21: 3,280,836
615 : 3,228,421
3,236,259
3,249,121
624.13: 3,241,569
.13: 3,267,964
.13: 3,273,592
.14: 3,233,628
624.14: 3,282,294
.14: 3,291,153
.15: 3,229,719
.17: 3,255,776
.17: 3,273,593
Class 138
26 : 3,255,779
3,292,661
30 : 3,230,975
3,230,976
3,232,318
3,242,947
3,251,380
3,256,911
3,259,147
3,273,596
3,273,597
3,276,477
3,276,478
3,277,925
3,279,499
3,283,786
3,288,168
31 : 3,230,977
37 : 3,266,524
3,273,598
38 : 3,269,420
3,273,599
39 : 3,229,722
3,282,297
3,288,169
40 : 3,230,978
42 : 3,263,704
43 : 3,276,479
44 : 3,229,723
45 : 3,236,263
3,244,199
3,265,090
3,276,480
46 : 3,275,037
3,277,926
3,291,155
89 : 3,227,183
3,285,289
3,291,156
90 : 3,241,571
92 : 3,282,298
93 : 3,276,481
94.3 : 3,266,525
.3 : 3,282,299
96 : 3,240,232
97 : 3,238,973
3,260,280
3,261,374
3,267,967
3,269,421
3,280,845
3,285,290
3,294,121
99 : 3,280,846
103 : 3,266,526
107 : 3,272,235
108 : 3,240,233
109 : 3,246,671
110 : 3,279,500
3,294,122
111 : 3,269,422
113 : 3,250,297
114 : 3,265,091
118 : 3,246,672
3,256,912
3,265,092
3,270,777
3,279,501
3,288,169
3,289,702
119 : 3,291,157
121 : 3,233,632
3,234,969
3,277,927
3,280,847
122 : 3,252,483
3,255,780
3,273,600
3,275,038
3,279,502
125 : 3,227,184
3,234,970
3,245,431
3,251,381
3,253,618
3,253,619
3,266,527
3,289,703
127 : 3,258,031
128 : 3,237,647
3,279,503
129 : 3,240,234
130 : 3,230,979
139 : 3,254,678
3,282,300
140 : 3,255,781
3,269,423
141 : 3,267,968
3,292,662
144 : 3,230,980
3,247,869
3,270,778
3,286,737
3,294,123
145 : 3,259,148
3,265,093
3,280,848
3,288,171
146 : 3,258,032
148 : 3,230,981
3,270,780
3,275,039
3,283,787
149 : 3,280,849
151 : 3,245,432
3,251,382
153 : 3,280,850
154 : 3,280,851
155 : 3,289,704
166 : 3,242,948
3,273,601
175 : 3,282,301
176 : 3,228,425
3,258,033
3,269,424
3,275,040
178 : 3,259,149
3,267,969
Class 139
1 : 3,230,982
3,237,648
3,238,974
3,241,572
3,246,673
3,265,094
3,267,970
3,273,602
5 : 3,289,705
10 : 3,292,663
11 : 3,258,034
12 : 3,233,633
3,237,649
3,241,573
3,255,782
3,258,035
3,263,705
3,292,664
18 : 3,228,426
3,232,319
21 : 3,289,706
22 : 3,249,126
25 : 3,240,235
3,291,158
26 : 3,265,095
28 : 3,283,788
34 : 3,294,124
35 : 3,237,650
50 : 3,255,783
54 : 3,242,949
3,256,913
3,280,852
59 : 3,236,264
3,265,096
63 : 3,289,707
66 : 3,228,427
68 : 3,277,928
3,285,291
82 : 3,230,983
84 : 3,262,469
88 : 3,241,574
3,260,281
91 : 3,251,383
92 : 3,241,575
104 : 3,228,428
105 : 3,249,125
110 : 3,255,784
3,261,375
116 : 3,238,975
3,263,706
3,269,425
118 : 3,261,361
122 : 3,232,320
3,236,265
3,237,651
3,241,576
3,263,707
3,266,528
3,269,426
3,272,236
3,272,237
3,276,482
3,276,483
3,276,484
3,280,853
3,286,738
3,288,173
123 : 3,230,984
3,232,321

Class 139—Con.

124 : 3,229,724
3,237,652
3,250,298
3,261,376
3,291,159
125 : 3,237,653
3,256,914
127 : 3,229,725
3,233,634
3,249,127
3,250,299
3,273,603
138 : 3,270,779
147 : 3,242,950
156 : 3,227,186
159 : 3,229,726
161 : 3,228,429
3,260,282
3,282,302
3,288,174
162 : 3,228,430
164 : 3,289,708
165 : 3,269,427
170.03: 3,238,976
.3 : 3,238,776
171 : 3,227,187
183 : 3,273,604
185 : 3,227,188
3,258,036
192 : 3,276,485
196 : 3,263,708
207 : 3,233,635
3,259,150
213 : 3,261,377
224 : 3,237,654
3,291,160
232 : 3,247,870
245 : 3,228,431
251 : 3,227,189
253 : 3,280,854
256 : 3,233,636
257 : 3,240,236
281 : 3,263,709
291 : 3,234,971
3,237,655
294 : 3,254,679
298 : 3,258,037
302 : 3,258,038
336 : 3,227,190
370 : 3,237,656
3,260,283
3,282,303
3,289,709
371 : 3,291,161
379 : 3,250,300
383 : 3,227,191
3,291,162
384 : 3,234,972
3,247,871
3,247,872
3,266,529
389 : 3,286,739
391 : 3,232,322
419 : 3,249,128
3,279,504
420 : 3,227,192
422 : 3,250,301
424 : 3,275,041
425 : 3,259,151
3,288,175
426 : 3,249,129
3,252,484

Class 140

2 : Re.26,052
3 : 3,288,176
9 : 3,285,292
71 : 3,227,193
3,238,977
3,240,237
3,240,238
3,245,433
3,251,384
3,256,915
3,258,039
.5 : 3,233,637
.5 : 3,237,657
.5 : 3,244,200
.5 : 3,249,130
.5 : 3,252,485
.5 : 3,253,620
.5 : 3,263,710
.5 : 3,270,781
.5 : 3,285,293
.5 : 3,294,125
.6 : 3,240,239
.6 : 3,265,097
74 : 3,253,621
3,266,530
92.3 : 3,251,385
.5 : 3,241,577
93 : 3,241,578
.2 : 3,241,579
.2 : 3,254,680
.2 : 3,291,163
.4 : 3,232,323
.4 : 3,249,131
.6 : 3,245,434
.6 : 3,273,605
102.5 : 3,227,194
.5 : 3,229,727
103 : 3,227,195
3,230,985
3,253,622
104 : 3,237,658
106 : 3,244,201
109 : 3,228,432
3,291,164
112 : 3,233,638
3,234,973
3,254,681
3,279,505
3,280,855
113 : 3,280,856
3,292,665
123 : 3,229,728
3,229,729
3,270,782
.6 : Re.26,114
.6 : 3,258,040
124 : 3,228,433
3,244,202
3,250,302
147 : 3,255,785
3,282,304
3,286,740
149 : 3,254,682
3,279,506

Class 141

1 : 3,236,266
3,236,267
3,238,978
3,266,531
3,270,783
2 : 3,270,784
3 : 3,232,324
3,245,435
3,255,786
3,260,284
3,273,606
3,273,607
5 : 3,241,580
3,265,098
3,272,238
3,282,305
7 : 3,282,306
8 : 3,260,285
9 : 3,227,196
3,267,971
3,294,126
10 : 3,233,639
3,258,041
3,269,428
3,285,295
11 : 3,285,294
12 : 3,261,378
3,267,972
18 : 3,229,730
3,286,741
20 : 3,237,659
3,259,152
3,292,666
21 : 3,260,286
3,280,857
24 : 3,266,532
25 : 3,255,787
3,255,788
3,292,667
26 : 3,285,296
27 : 3,236,268
3,237,660
3,273,608
3,275,042
3,286,742
38 : 3,240,240
40 : 3,263,711
42 : 3,280,858
50 : 3,252,486
54 : 3,285,297
59 : 3,249,132
68 : 3,263,712
3,294,127
73 : 3,288,177
78 : 3,238,979
80 : 3,280,859
83 : 3,261,379
90 : Re.26,055
92 : 3,277,929
93 : 3,241,581
95 : 3,236,269
3,265,099
104 : 3,236,270
106 : 3,261,380
110 : 3,259,153
114 : 3,261,381
116 : 3,289,710
128 : 3,254,683
129 : 3,262,470
130 : 3,233,640
132 : 3,228,434
133 : 3,269,429
142 : 3,275,043
160 : 3,249,133
3,280,860
165 : 3,245,436
3,263,713
168 : 3,272,239
174 : 3,277,930
176 : 3,272,240
180 : 3,237,661
206 : 3,273,609
207 : 3,261,382
208 : 3,276,486
209 : 3,233,641
3,259,154
3,294,128
217 : 3,240,241
225 : 3,288,179
226 : 3,255,789
242 : 3,276,487
263 : 3,237,662
279 : 3,251,386
284 : 3,240,242
3,241,582
3,265,100
286 : 3,228,435
3,256,916
3,289,711
3,291,165
293 : 3,285,298
295 : 3,256,917
3,265,101
3,265,102
3,282,307
3,289,712
311 : 3,276,488
312 : 3,285,299
315 : 3,269,430
330 : 3,288,178
3,292,668
331 : 3,245,437
350 : 3,247,951
353 : 3,273,610
363 : 3,246,674
364 : 3,266,533
3,277,931
372 : 3,250,303
375 : 3,230,986
3,251,387
377 : 3,242,952
387 : 3,245,438
388 : 3,272,241
392 : 3,285,300

Class 142

21 : 3,276,489
28 : 3,277,932
32 : 3,234,974
47 : 3,277,933
53 : 3,273,611
56 : 3,229,731
3,279,507

Class 143

1 : 3,285,301
6 : 3,263,714
3,275,044
3,291,166
3,292,669
3,294,129
17 : 3,254,684
3,254,685
25 : 3,240,244
26 : 3,259,155
32 : 3,228,436
3,230,987
3,232,325
3,247,873
3,250,304
3,260,287
3,260,288
3,263,715
3,266,534
3,267,973
3,269,431
3,276,490
3,279,508
3,283,789
3,291,167
32 : 3,292,670
3,292,671
37 : 3,275,045
3,276,492
3,285,302
3,292,672
38 : 3,229,732
3,261,383
41 : 3,280,861
43 : 3,242,953
3,245,439
3,262,471
3,268,472
3,262,473
3,267,974
3,270,785
3,277,934
3,282,308
3,292,673
46 : 3,229,733
3,275,046
47 : 3,229,734
3,283,790
48 : 3,272,242
52 : 3,242,954
3,245,440
3,259,156
57 : 3,291,168
68 : 3,260,289
3,260,290
85 : 3,262,474
3,267,975
89 : 3,273,612
99 : 3,269,432
105 : 3,286,743
132 : 3,229,735
3,246,675
3,263,716
3,269,433
3,285,303
3,289,713
133 : 3,229,736
3,261,384
3,262,475
3,276,491
3,292,674
135 : 3,228,437
3,261,385
3,263,717
3,269,434
3,291,169
3,292,675
140 : 3,228,438
141 : 3,236,271
145 : 3,288,180
151 : 3,270,786
155 : 3,244,203
3,266,535
158 : 3,240,243
159 : 3,232,326
3,249,134
162 : 3,280,862
167 : 3,273,613
168 : 3,244,204
3,249,135
3,286,744
171 : 3,269,435
174 : 3,236,272

Class 144

1 : 3,282,309
3,288,181
3,289,714
2 : 3,234,975
3,234,976
3,238,980
3,282,310
3,282,311
3,292,676
3 : 3,241,583
3,244,205
3,251,388
3,252,487
3,263,718
3,266,536
3,269,436
3,277,935
3,280,863
20 : 3,272,243
32 : 3,247,874
3,258,042
3,261,386
3,266,537
3,275,047
3,283,791
3,289,715
3,294,130
34 : 3,230,988
3,238,981
3,269,437
3,270,787
34 : 3,277,936
3,294,131
35 : 3,241,584
50 : 3,266,538
85 : 3,232,327
87 : 3,272,244
93 : 3,234,977
3,245,441
110 : 3,288,182
115 : 3,275,048
3,277,937
117 : 3,291,170
133 : 3,292,677
134 : 3,255,790
3,289,716
3,289,717
136 : 3,234,978
3,288,183
3,289,718
162 : 3,234,979
3,289,719
172 : 3,237,663
3,250,305
176 : 3,240,245
3,245,442
3,262,476
3,263,719
3,266,539
3,275,049
178 : 3,265,103
3,286,745
193 : 3,242,955
3,280,864
3,285,304
208 : 3,228,439
3,228,440
3,230,989
3,236,273
3,245,443
3,245,444
3,250,306
3,258,043
3,262,477
3,263,720
3,267,976
3,269,438
3,272,245
3,285,305
3,286,746
3,286,747
209 : 3,244,206
3,252,488
218 : 3,233,642
3,280,865
3,294,132
220 : 3,282,312
238 : 3,253,623
3,286,748
281 : 3,275,050
283 : 3,249,136
286 : 3,269,439
288 : 3,238,982
3,241,585
3,258,044
3,267,977
3,291,171
310 : 3,263,721
3,273,614
312 : 3,227,197
3,236,274
3,254,686
3,259,157
314 : 3,276,493
316 : 3,269,440
3,277,938
3,277,939
319 : 3,263,722
323 : 3,244,207
3,267,978
324 : 3,280,866
325 : 3,255,791
326 : 3,234,980
3,256,918
3,263,723
3,279,509
327 : 3,282,313

Class 145

3 : 3,229,737
3,233,643
4 : 3,253,624
29 : 3,229,738
3,234,981
30 : 3,238,983
33 : 3,242,956
3,245,445
3,250,307
46 : 3,250,308
50 : 3,234,982
3,236,275
3,245,446
50 : 3,253,625
3,253,626
3,267,979
3,276,494
3,279,510
3,286,749
3,288,184
3,292,678
51 : 3,288,185
52 : 3,244,208
62 : 3,252,689
64 : 3,255,792
76 : 3,272,246
108 : 3,259,158
130 : 3,205,104

Class 146

1 : 3,242,957
3,255,793
2 : 3,229,739
3,249,137
3 : 3,252,490
3,275,051
6 : 3,232,328
3,244,209
8 : 3,276,495
11 : 3,242,958
13 : 3,280,867
17 : 3,260,291
3,277,940
19 : 3,273,615
3,291,172
28 : 3,241,586
3,258,045
3,273,616
3,280,868
43 : 3,249,138
3,277,941
47 : 3,276,496
49 : 3,266,540
52 : 3,246,676
3,269,441
3,270,788
68 : 3,240,246
72 : 3,266,541
73 : Re.26,117
3,229,740
76 : 3,266,542
78 : 3,252,491
3,273,617
79 : 3,254,687
81 : 3,234,983
3,259,159
3,272,247
3,273,618
3,291,173
83 : 3,230,990
3,285,306
105 : 3,276,497
107 : 3,240,247
117 : 3,228,441
3,291,174
3,294,133
130 : 3,249,139
3,280,869
3,291,175
151 : 3,258,046
153 : 3,245,447
164 : 3,291,176
175 : 3,247,875
182 : 3,289,720
192 : 3,228,442
3,230,991
3,283,792
203 : 3,270,789
204 : 3,292,679
222 : 3,266,543
224 : Re.26,111
3,234,984
226 : 3,269,442
231 : 3,246,677
236 : 3,275,052
238 : 3,228,443
3,236,276
3,246,678
3,282,314
239 : 3,241,587
3,251,389
241 : 3,237,664

Class 147

4 : 3,265,105

Class 148

1.5 : 3,240,630
.5 : 3,240,631
.5 : 3,242,014
.5 : 3,243,319
.5 : 3,255,050
1.5 : 3,272,661
.5 : 3,282,742
.5 : 3,290,179
.5 : 3,290,180
.5 : 3,293,084
.6 : 3,234,051
.6 : 3,242,015
.6 : 3,243,320
.6 : 3,261,722
.6 : 3,278,342
.6 : 3,290,181
.6 : 3,291,650
2 : 3,228,805
3,239,388
3,239,389
3,256,118
3,265,540
3,275,480
3 : 3,240,632
3,245,840
4 : 3,231,430
3,250,647
3,282,743
6 : 3,284,248
.1 : 3,264,142
.1 : 3,291,651
.11: 3,251,719
.14: 3,248,269
.14: 3,274,032
.14: 3,279,957
.15: 3,228,806
.15: 3,240,633
.15: 3,247,027
.15: 3,249,471
.15: 3,260,622
.15: 3,261,723
.15: 3,268,367
.15: 3,269,876
.15: 3,269,877
.15: 3,272,662
.15: 3,288,655
.15: 3,293,088
.15: 3,294,593
.16: 3,245,841
.16: 3,247,028
.16: 3,272,663
.16: 3,276,916
.16: 3,278,343
.16: 3,279,958
.16: 3,281,284
.16: 3,287,178
.17: 3,272,664
.18: 3,281,285
.2 : 3,257,244
.2 : 3,282,744
.2 : 3,285,788
.21: 3,287,179
.24: 3,284,249
.24: 3,291,652
.27: 3,243,321
.27: 3,272,665
.3 : 3,247,026
.3 : 3,257,245
.3 : 3,293,085
.35: 3,259,526
9 : 3,230,116
.5 : 3,230,117
.5 : 3,231,431
.5 : 3,245,842
11.5 : 3,234,052
.5 : 3,234,053
.5 : 3,234,054
.5 : 3,236,699
.5 : 3,238,071
.5 : 3,245,843
.5 : 3,253,965
.5 : 3,261,724
.5 : 3,264,143
.5 : 3,266,945
.5 : 3,266,946
.5 : 3,268,368
.5 : 3,271,200
.5 : 3,278,344
.5 : 3,287,180
.5 : 3,290,182
.5 : 3,294,594
12 : 3,230,118
3,231,432
3,238,072
3,240,634
3,244,565
3,245,844
3,247,029
3,248,270
3,258,370
3,260,623
3,264,144
3,266,947
3,284,250
3,285,789
3,290,183
.1 : 3,228,807

12.1 : 3,239,390
.1 : 3,255,051
.1 : 3,262,821
.1 : 3,277,149
.1 : 3,281,286
.1 : 3,285,790
.1 : 3,291,653
.1 : 3,294,595
.3 : 3,240,635
.3 : 3,247,946
.3 : 3,252,840
.3 : 3,264,145
.4 : 3,228,808
.4 : 3,235,413
.4 : 3,250,648
.4 : 3,276,917
.4 : 3,278,345
.4 : 3,281,287
.7 : 3,232,796
.7 : 3,268,369
.7 : 3,282,745
.7 : 3,291,654
.9 : 3,256,119
.9 : 3,274,033
.9 : 3,276,918
13 : 3,250,649
3,262,822
3,272,666
3,287,177
.1 : 3,234,055
.1 : 3,266,948
.1 : 3,276,919
14 : 3,250,650
3,276,920
16 : 3,228,809
3,228,810
3,234,056
3,239,391
3,268,370
3,268,371
3,290,184
3,294,596
.5 : 3,231,433
.5 : 3,240,636
.5 : 3,259,527
.6 : 3,232,797
.6 : 3,240,637
.6 : 3,265,541
.6 : 3,282,746
20 : 3,268,372
.3 : 3,287,181
.6 : 3,281,288
23 : 3,235,414
3,245,845
3,249,472
3,264,146
3,266,949
3,272,667
31.55: 3,238,073
.55: 3,276,921
.55: 3,278,346
.57: 3,236,700
32 : 3,266,950
3,266,951
.5 : 3,252,841
.5 : 3,268,373
33 : 3,228,811
3,234,057
3,236,698
3,258,371
3,261,725
3,266,952
3,274,034
3,293,089
.1 : 3,242,016
.1 : 3,266,953
.2 : 3,278,347
.3 : 3,271,201
.4 : 3,261,726
.5 : 3,236,701
.5 : 3,243,322
.5 : 3,245,846
.5 : 3,287,182
.5 : 3,288,656
36 : 3,227,586
3,257,200
3,258,372
3,290,185
3,291,655
37 : 3,259,528
38 : 3,253,966
39 : 3,259,529
100 : 3,276,922
102 : 3,259,530
103 : 3,279,959
3,281,289
105 : 3,255,052
3,266,954
110 : 3,276,923
3,278,348
111 : 3,266,955
3,287,183
112 : 3,240,638
3,271,202
3,279,960

Class 149

1 : 3,259,532
3,260,627
3,260,628
3,260,629
3,260,630
3,282,750
2 : 3,236,702
3,238,074
3,238,075
3,255,057
3,255,058
3,259,531
3,269,879
3,269,880
3,284,253
3,284,254
3,288,658
3,291,659
3 : 3,228,813
6 : 3,249,474
3,252,842
7 : 3,260,631
3,278,350
8 : 3,287,189
11 : 3,266,957
12 : 3,287,190
15 : 3,278,351
18 : 3,227,588
3,235,420
3,242,019
3,247,083
3,282,751
3,290,190
3,293,090
19 : Re.26,108
3,232,801
3,234,059
3,235,421
3,235,422
3,236,703
3,236,704
3,240,640
3,242,020
3,242,021
3,245,849
3,245,850
3,247,034
3,247,035
3,249,475
3,250,651
3,255,059
3,257,248
3,258,373
3,261,731
3,265,543
3,265,544
3,266,958
3,266,959
3,268,376
3,268,377
3,276,926
3,278,352
3,291,660
21 : 3,243,326
3,266,960
22 : 3,228,814
3,238,076
3,275,483
3,282,752
3,291,661
3,291,662
23 : 3,284,255
24 : 3,291,663
3,291,664
3,293,091
35 : 3,264,150
3,265,545
36 : 3,288,659
3,288,660
38 : 3,235,423
3,235,424
3,249,476
3,261,732
3,275,484
3,281,292
39 : 3,278,353
40 : 3,274,035
41 : Re.26,115
3,249,477
3,264,151
42 : 3,262,824
3,291,665
43 : 3,250,652
3,260,632
46 : 3,240,641
3,244,568
3,279,965
3,282,753
47 : 3,275,485
48 : 3,235,425
55 : 3,252,843
60 : 3,288,661
3,294,601
74 : 3,282,754
77 : 3,230,120
83 : 3,236,705
89 : 3,239,395
3,242,022
92 : 3,271,212
3,291,666
98 : 3,228,815
101 : 3,231,437
109 : 3,257,249
3,257,250
3,294,602

Class 150

.5 : 3,252,492
.5 : 3,263,724
.5 : 3,288,186
.5 : 3,288,187
.5 : 3,289,721
.5 : 3,289,722
1 : 3,256,919
3,270,790
3,279,511
3,285,307
3,294,134
.5 : 3,230,992
.5 : 3,259,160
.5 : 3,265,106
.5 : 3,283,793
.6 : 3,294,135
.7 : 3,229,741
.7 : 3,260,292
2.2 : 3,244,210
3 : 3,228,444
3,251,390
3,291,177
7 : 3,289,723
8 : 3,238,984
3,285,308
10 : 3,272,248
11 : 3,285,309
29 : 3,234,985
3,254,688
3,286,750
33 : 3,276,498
3,279,512
34 : 3,294,136
35 : 3,267,980
3,286,751
36 : 3,288,188
37 : 3,261,387
3,262,478
38 : 3,266,544
39 : 3,230,993
3,241,588
3,242,959
3,244,211
3,291,178
40 : 3,262,479
3,279,513
3,292,680
3,294,137
42 : 3,275,053
3,280,870
47 : 3,273,619
49 : 3,286,752
51 : 3,233,644
52 : 3,228,445
3,242,960
3,245,448
3,249,140
3,253,627
3,253,628
3,255,794
3,266,545
3,270,791
3,279,514
3,279,515
3,280,871
3,286,753
3,288,189
3,291,179
3,294,138

Class 151

5 : 3,275,054
6 : 3,263,725
3,272,249
7 : 3,227,198
3,254,689
3,255,795
3,262,480
3,263,726
3,265,107
3,269,443
7 : 3,285,310
3,289,724
3,294,139
3,260,294
8 : 3,265,108
13 : 3,294,140
14 : 3,227,199
3,238,985
3,242,961
3,253,629
3,288,190
15 : 3,294,141
19 : 3,234,986
3,238,986
3,279,516
21 : 3,238,987
3,240,248
3,249,141
3,262,481
3,265,109
3,272,250
3,277,942
3,285,311
22 : 3,247,877
3,254,690
3,280,872
23 : 3,233,645
3,270,792
24 : 3,255,796
25 : 3,280,873
26 : 3,254,691
28 : 3,237,665
3,285,312
29 : 3,253,630
33 : 3,229,742
34 : 3,241,589
3,263,727
35 : 3,258,047
3,285,313
37 : 3,241,590
3,245,449
3,255,797
3,258,048
3,260,293
3,275,055
3,286,754
38 : 3,236,277
3,288,191
41.5 : 3,282,316
.7 : 3,241,591
.7 : 3,252,493
.7 : 3,255,798
.7 : 3,279,517
.7 : 3,279,518
.72: 3,230,994
.72: 3,234,987
.72: 3,270,793
.72: 3,280,874
.72: 3,289,725
.73: 3,242,962
.73: 3,247,878
.73: 3,252,494
.73: 3,252,495
.73: 3,253,631
.73: 3,259,161
.73: 3,259,162
.73: 3,259,163
.73: 3,276,499
.73: 3,279,519
.73: 3,280,875
.73: 3,282,315
.73: 3,282,317
.75: 3,229,743
.75: 3,283,794
.75: 3,288,192
.76: 3,259,164
.76: 3,259,165
.76: 3,259,166
.76: 3,266,546
69 : 3,244,212
3,245,450
3,255,799
3,263,728
3,286,755
3,289,726

Class 152

10 : 3,236,278
12 : 3,234,988
13 : 3,259,167
15 : 3,253,632
43 : 3,234,989
49 : 3,288,193
153 : 3,270,794
3,276,500
156 : 3,238,988
157 : 3,237,666
158 : 3,237,667
3,247,879
3,250,310
3,251,391
175 : 3,237,668
176 : 3,240,249
3,260,294
187 : 3,283,795
188 : 3,272,251
191 : 3,233,646
208 : 3,256,920
209 : 3,237,669
3,247,880
3,286,756
210 : 3,230,996
3,230,997
3,230,998
211 : 3,227,200
3,237,670
3,270,795
3,272,252
3,276,501
213 : 3,242,963
3,250,309
214 : 3,232,329
218 : 3,283,796
220 : 3,237,671
225 : 3,245,451
3,249,143
3,289,727
3,291,180
228 : 3,251,392
3,273,620
3,283,797
3,289,681
229 : 3,256,921
236 : 3,266,547
3,277,943
237 : 3,283,798
241 : 3,228,446
242 : 3,265,110
243 : 3,282,318
330 : 3,230,999
3,232,330
3,233,647
3,241,592
3,245,452
3,245,453
3,247,881
3,253,633
3,258,049
3,260,295
3,261,388
3,262,482
3,280,876
3,286,757
337 : 3,291,181
338 : 3,283,799
339 : 3,294,142
340 : 3,234,990
3,254,692
362 : 3,237,674
3,240,251
3,253,639
3,254,694
3,269,444
367 : 3,260,296
3,267,981
3,282,319
3,294,144
370 : 3,267,982
3,269,445
3,272,253
3,282,320
379 : 3,282,321
381 : 3,229,744
397 : 3,237,675
3,283,800
415 : 3,249,144
417 : 3,276,502
3,276,503
427 : 3,244,217
3,246,679
3,246,680
3,258,051
430 : 3,250,879
429 : 3,247,882

Class 156

1 : 3,253,967
3,284,256
2 : 3,235,426
3,236,706
3,248,271
3,252,844
3,255,060
3,274,036
3 : Re.26,017
3,234,060
3,236,707
3,249,478
3,261,733
3,264,152
3,265,546
3,269,881
3,271,213
3,275,486
3,276,927
3,282,755
3,287,191
3,287,192
3,290,191
7 : 3,245,851
8 : 3,257,251
11 : 3,236,708
3,288,662
13 : 3,227,589
3,244,569
3,272,670
3,282,756
14 : 3,268,378
17 : 3,260,633
3,260,634
3,262,825
3,266,961
3,290,192
3,293,092
18 : 3,232,802
3,232,803
3,291,667
3,293,093
19 : 3,253,968
20 : Re.26,130
21 : Re.25,953
3,228,816
22 : 3,266,962
3,281,293
24 : 3,266,963
3,281,294
3,290,193
3,294,603
40 : 3,260,635
48 : 3,290,194
50 : 3,247,036
52 : 3,239,396
3,271,214
3,274,037
3,276,928
3,294,604
59 : 3,287,193
60 : 3,232,804
3,238,077
62.2 : 3,231,438
.2 : 3,243,327
.2 : 3,256,121
.4 : 3,276,928
.8 : 3,271,215
63 : 3,268,379
65 : 3,294,605
67 : 3,252,845
3,291,668
69 : 3,239,397
3,258,375
3,266,964
3,281,295
3,282,757
3,235,427
72 : 3,271,216
3,275,487
73 : 3,227,590
3,239,398
3,251,720
3,256,122
3,284,257
3,291,669
78 : 3,269,882

Class 156—Con.

79 : 3,231,439
3,255,061
3,255,062
3,257,252
3,264,153
3,265,548
3,293,094
82 : 3,228,817
3,239,399
83 : 3,249,479
3,276,929
84 : 3,284,258
85 : 3,265,547
86 : 3,245,852
3,272,671
3,282,758
87 : 3,238,078
3,255,063
89 : 3,227,591
3,235,428
3,240,642
3,275,488
92 : 3,228,818
93 : 3,227,592
3,234,061
94 : 3,247,037
3,258,376
96 : 3,236,709
97 : 3,251,721
98 : 3,271,217
99 : 3,249,480
103 : 3,231,440
104 : 3,227,593
3,234,062
3,281,296
106 : 3,281,297
108 : 3,264,154
3,271,218
109 : 3,281,298
110 : 3,256,123
117 : 3,245,853
124 : 3,294,606
128 : 3,276,930
130 : 3,251,722
3,268,380
131 : 3,265,549
138 : 3,250,653
139 : 3,290,195
143 : 3,240,643
3,248,272
144 : 3,287,194
3,290,196
3,294,607
148 : 3,245,854
149 : 3,284,259
152 : 3,231,441
3,245,855
3,266,965
3,279,966
155 : 3,231,442
3,293,095
3,293,096
156 : 3,258,377
3,261,734
157 : 3,282,759
158 : 3,261,735
159 : 3,227,594
160 : 3,264,155
3,294,608
161 : 3,258,378
162 : 3,230,121
164 : 3,247,038
165 : 3,240,644
166 : 3,230,995
3,235,429
3,253,969
3,255,064
3,269,883
167 : 3,236,710
3,242,023
3,247,039
3,256,124
3,261,736
3,266,966
3,276,931
169 : 3,264,156
171 : 3,239,400
3,250,654
3,262,826
3,290,197
172 : 3,249,481
3,279,967
174 : 3,236,711
175 : 3,258,379
3,281,299
3,285,792
177 : 3,271,219
178 : 3,244,570
179 : 3,239,401
180 : 3,232,805
3,271,220
181 : 3,250,655
181 : 3,275,489
3,281,300
184 : Re.26,110
3,250,656
3,256,125
187 : 3,230,122
3,231,443
3,245,856
189 : 3,272,672
190 : 3,234,063
3,271,221
3,294,609
191 : 3,276,932
3,293,097
193 : 3,235,430
195 : 3,230,123
3,240,645
3,243,328
196 : 3,227,595
3,244,571
197 : 3,235,431
3,242,024
198 : 3,290,198
200 : 3,239,402
201 : 3,235,432
3,252,846
3,259,533
202 : Re.26,075
3,250,657
3,294,610
203 : 3,260,636
207 : 3,258,380
209 : 3,279,968
210 : 3,247,040
3,256,126
3,265,550
3,285,793
212 : 3,232,806
3,232,807
3,264,157
3,284,260
213 : 3,240,646
3,282,760
214 : 3,271,222
215 : 3,278,354
3,290,199
219 : 3,265,551
221 : 3,281,301
222 : 3,234,064
3,288,663
224 : 3,234,065
228 : 3,230,124
3,253,970
229 : 3,230,125
3,235,433
3,255,065
3,278,355
230 : 3,262,827
3,264,158
3,276,933
3,294,611
231 : 3,236,712
233 : 3,252,847
235 : 3,279,969
3,294,612
240 : 3,258,381
242 : 3,227,596
3,294,613
244 : 3,230,126
3,230,127
3,234,066
3,242,025
3,265,552
3,271,223
245 : 3,228,819
3,271,224
3,291,670
3,293,098
246 : 3,253,971
247 : 3,274,038
249 : 3,240,647
3,282,761
250 : 3,230,128
251 : 3,268,381
3,274,039
3,287,195
252 : 3,238,079
253 : 3,232,808
3,256,127
3,282,762
254 : 3,266,967
3,287,196
256 : 3,257,253
258 : 3,274,040
260 : 3,272,673
263 : 3,235,434
270 : 3,279,970
271 : 3,236,713
272 : 3,242,026
3,247,041
3,287,197
273 : 3,232,809
3,232,810
3,232,811
273 : 3,291,671
274 : 3,281,302
275 : 3,239,403
276 : 3,244,572
277 : 3,242,027
280 : 3,284,261
3,284,262
281 : 3,245,857
282 : 3,231,444
3,272,674
3,281,303
286 : 3,282,763
3,284,263
287 : 3,230,129
288 : 3,247,042
3,276,934
289 : 3,284,264
3,291,672
3,293,099
291 : 3,257,254
292 : 3,251,723
3,272,675
3,274,041
3,282,764
293 : 3,232,812
294 : 3,275,490
3,278,356
3,278,357
295 : 3,262,828
298 : 3,264,159
304 : 3,240,648
3,253,972
306 : 3,264,160
3,278,358
307 : 3,228,820
3,236,714
3,252,848
3,262,829
308 : 3,276,935
310 : 3,261,737
3,288,664
313 : 3,275,491
314 : 3,230,130
3,247,043
3,260,637
3,293,100
315 : 3,240,649
3,240,650
3,251,724
3,259,534
3,271,225
3,272,676
320 : 3,232,813
322 : 3,249,482
324 : 3,259,535
328 : 3,274,042
329 : 3,258,382
3,262,830
330 : 3,234,067
331 : 3,291,673
332 : 3,230,131
333 : 3,240,651
336 : 3,242,028
344 : 3,282,765
345 : 3,232,814
3,234,068
3,271,226
350 : 3,284,265
351 : 3,238,080
3,243,329
3,278,359
3,281,304
353 : 3,256,128
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354 : 3,238,081
355 : 3,231,445
357 : 3,274,043
360 : 3,232,815
3,264,161
361 : 3,240,652
3,293,101
363 : 3,247,044
3,252,849
3,261,738
3,290,200
364 : 3,249,483
367 : 3,247,045
368 : 3,266,968
373 : 3,282,767
3,284,266
378 : 3,253,973
380 : 3,234,069
3,238,082
3,239,404
3,242,029
3,243,330
3,244,573
3,255,066
382 : 3,236,715
3,244,574
383 : 3,284,267
384 : 3,231,446
3,262,831
3,265,553
385 : 3,291,[illegible]
394 : [illegible]
397 : 3,264,162
398 : 3,232,817
3,237,199
3,240,653
401 : 3,244,575
3,268,382
3,272,677
3,281,305
403 : 3,257,255
406 : 3,230,132
3,278,360
410 : 3,258,383
412 : 3,251,725
415 : 3,235,435
3,278,362
416 : 3,234,070
420 : 3,293,102
421 : 3,278,361
423 : 3,245,858
3,258,384
425 : 3,276,936
428 : 3,250,658
429 : 3,272,678
433 : 3,240,654
3,294,614
435 : 3,278,363
439 : 3,284,268
440 : 3,272,679
441 : 3,234,071
3,249,484
3,276,937
3,282,768
449 : 3,256,503
455 : 3,262,832
461 : 3,282,769
468 : 3,236,716
469 : 3,281,306
477 : 3,230,133
3,243,331
479 : 3,245,859
486 : 3,245,860
494 : 3,272,680
3,276,938
495 : 3,257,256
496 : 3,264,163
498 : 3,234,072
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3,284,269
499 : 3,282,766
500 : 3,279,971
501 : 3,240,655
502 : 3,231,447
505 : 3,245,861
3,290,201
513 : 3,242,030
3,243,332
3,244,576
3,276,939
3,288,665
514 : 3,284,270
515 : 3,276,940
518 : 3,272,681
3,287,198
519 : 3,250,659
521 : 3,257,258
522 : 3,238,083
3,255,067
523 : 3,235,436
531 : 3,253,974
537 : 3,294,615
542 : 3,231,448
544 : 3,238,084
545 : 3,269,884
551 : 3,235,437
555 : 3,245,862
556 : 3,271,227
3,274,044
558 : 3,268,383
561 : 3,291,676
562 : 3,243,333
566 : 3,284,271
568 : 3,242,031
575 : 3,260,638
580 : 3,272,682
3,294,616
581 : 3,250,660
3,258,385
3,285,794
583 : 3,227,597
3,231,449
3,243,334
3,258,386
3,262,833
3,269,885
3,287,199
3,290,202
594 : 3,260,639

Class 157

1.1 : 3,280,880
.1 : 3,286,760
1.17: 3,231,001
.17: 3,240,252
.17: 3,253,640
.17: 3,256,923
.2 : 3,247,876
.2 : 3,270,796
.2 : 3,276,504
.21: 3,241,593
.22: 3,247,883
.24: 3,238,989
.24: 3,255,800
.24: 3,267,983
.26: 3,237,676
.26: 3,259,168
.28: 3,244,218
.28: 3,246,681
.28: 3,255,801
.33: 3,266,548
.5 : 3,294,145
13 : 3,260,297
3,262,483
3,277,944

Class 158

1 : 3,238,990
3,258,052
3,283,801
3,294,146
.5 : 3,266,549
.5 : 3,267,984
.5 : 3,283,802
.5 : 3,291,182
4 : 3,229,745
3,240,253
3,240,254
3,251,393
3,252,496
3,252,497
3,253,641
3,254,695
3,255,802
3,261,389
3,266,550
3,267,985
3,267,986
3,269,446
3,276,505
.5 : 3,292,682
5 : 3,238,991
3,241,594
3,277,945
7 : 3,227,201
3,227,202
3,229,746
3,244,219
3,247,884
3,273,621
3,273,622
3,273,623
3,279,520
.6 : 3,262,484
11 : 3,236,279
3,236,280
3,236,281
3,237,677
3,242,966
3,244,220
3,256,924
3,275,057
26 : 3,261,390
27.4 : 3,251,394
.4 : 3,254,696
.4 : 3,255,803
.4 : 3,280,881
28 : Re.25,970
3,228,447
3,228,448
3,233,650
3,236,282
3,238,992
3,241,595
3,242,967
3,245,456
3,245,457
3,256,925
3,258,053
3,258,054
3,258,055
3,259,169
3,260,298
3,260,299
3,262,485
3,262,486
3,263,729
3,263,730
3,263,731
3,265,111
3,265,112
3,266,551
3,269,447
3,269,448
3,273,624
3,273,625
.28 : 3,273,626
3,275,058
3,275,059
3,276,506
3,276,507
3,277,946
3,277,947
3,279,521
3,280,882
3,280,883
3,280,884
3,282,322
3,285,315
3,286,761
3,288,195
3,291,183
3,294,147
33 : 3,275,060
36 : 3,227,203
3,241,596
3,282,323
.3 : 3,227,204
.3 : 3,232,332
.3 : 3,233,651
.3 : 3,267,987
.3 : 3,291,184
.4 : 3,233,652
.4 : 3,238,993
.4 : 3,246,682
.4 : 3,252,498
.4 : 3,275,061
.4 : 3,279,522
.4 : 3,294,148
.5 : 3,231,002
.5 : 3,249,145
.5 : 3,258,056
37 : 3,276,508
38 : 3,240,255
42.1 : 3,231,003
46.5 : 3,254,697
.5 : 3,270,797
.5 : 3,279,523
53 : 3,245,458
65 : 3,234,991
73 : 3,238,994
3,267,988
75 : 3,228,449
76 : 3,255,804
3,258,057
3,266,552
3,285,316
77 : 3,228,450
3,263,732
79 : 3,289,728
88 : 3,294,149
91 : 3,236,283
3,252,499
94 : 3,237,678
3,251,395
3,279,524
96 : 3,240,256
99 : 3,229,747
3,231,004
3,233,653
3,237,679
3,245,459
3,247,885
3,269,449
3,270,798
3,273,627
3,285,317
3,289,729
100 : Re.25,987
109 : 3,229,748
3,265,113
113 : 3,276,509
3,289,730
3,291,185
3,291,186
114 : 3,285,318
115 : 3,260,301
3,263,733
3,273,628
3,280,885
3,285,319
3,288,196
3,288,197
116 : 3,237,680
3,251,396
3,258,058
3,260,300
3,277,948
3,288,198
3,289,731
3,291,187
3,291,188
3,291,189
117 : 3,291,190
.5 : 3,228,451
.5 : 3,241,597
.5 : 3,285,320
.5 : 3,288,199
.5 : 3,291,191
118 : 3,233,654
118 : 3,244,221
3,253,642
3,259,170
122 : 3,236,284
123 : 3,234,992
3,265,114
3,286,762
124 : Re.25,976
125 : 3,240,257
3,247,886
3,247,887
3,272,254
3,277,949
126 : 3,249,146
3,269,450
3,282,324
128 : 3,270,799
3,270,800
129 : 3,282,325
131 : 3,242,968
3,252,500
132 : 3,228,452

Class 159

2 : 3,280,886
3,286,763
3 : 3,273,629
3,279,525
4 : 3,229,749
3,233,655
3,236,285
3,252,501
3,259,171
3,266,553
3,269,451
3,275,062
3,275,063
3,289,732
5 : 3,266,554
6 : 3,228,453
3,234,993
3,242,969
3,250,311
3,253,643
3,255,805
3,261,391
3,266,555
3,273,630
3,273,631
3,292,683
9 : 3,256,926
10 : 3,258,059
12 : 3,233,656
3,282,326
13 : 3,247,888
3,249,147
3,256,927
3,259,172
3,265,115
3,280,887
15 : 3,289,733
16 : 3,247,889
3,266,556
3,266,557
3,276,510
17 : 3,242,970
3,251,397
20 : 3,258,060
3,289,735
24 : 3,245,460
3,289,736
27 : 3,261,392
28 : 3,241,598
44 : 3,241,599
3,242,971
3,250,312
3,266,558
3,286,764
47 : 3,234,994
3,234,995
3,246,683
3,247,890
3,250,313
3,251,398
3,279,526
3,279,527
3,282,327
3,283,803
3,289,734
48 : 3,241,600
49 : 3,228,454
3,252,502
3,266,559

Class 160

1 : 3,273,632
3 : 3,249,148
5 : 3,294,150
3,294,151
3,294,152
23 : 3,292,684
24 : 3,228,455

24 : 3,236,286
3,236,287
3,289,737
26 : 3,231,005
3,292,685
35 : 3,280,888
40 : 3,227,205
3,229,750
3,250,314
3,280,889
41 : 3,231,006
43 : 3,240,258
84 : 3,242,972
3,267,989
88 : 3,227,206
3,262,487
90 : 3,269,452
91 : 3,291,192
92 : 3,292,686
102 : 3,244,222
3,289,738
103 : 3,240,259
104 : 3,285,321
106 : 3,283,804
107 : 3,253,644
3,291,193
113 : 3,263,734
117 : 3,238,995
118 : 3,246,684
121 : 3,265,116
133 : 3,246,685
144 : 3,285,322
152 : 3,285,323
161 : 3,258,061
166 : 3,240,260
168 : 3,276,511
3,280,890
3,294,153
170 : 3,260,302
172 : 3,280,891
174 : 3,265,117
176 : 3,269,453
178 : 3,256,928
3,283,805
3,289,739
180 : 3,251,399
3,288,200
181 : 3,291,194
183 : 3,232,333
3,247,891
3,277,950
184 : 3,249,150
3,254,698
185 : 3,229,751
3,277,951
188 : 3,255,806
3,272,255
3,288,201
3,288,202
3,289,740
3,289,741
3,294,154
193 : 3,237,681
3,252,503
3,254,699
196 : 3,251,400
197 : 3,260,303
199 : 3,234,996
3,267,990
3,277,952
201 : 3,255,807
3,258,062
202 : 3,262,488
206 : 3,233,657
3,236,288
3,267,991
3,275,064
3,280,892
3,285,324
207 : 3,247,892
209 : 3,265,118
213 : 3,270,801
220 : 3,272,256
231 : 3,236,289
237 : 3,261,393
238 : 3,259,173
241 : 3,236,290
242 : 3,263,735
245 : 3,255,808
264 : 3,283,806
269 : 3,237,682
274 : 3,279,528
281 : 3,280,893
290 : 3,259,174
310 : 3,285,325
323 : 3,279,529
328 : 3,233,658
330 : 3,275,065
3,275,066
331 : 3,269,454
332 : 3,231,007
344 : 3,253,645
345 : 3,234,997
3,247,893
348 : 3,279,530
3,283,807
349 : 3,255,809
3,282,328
354 : 3,255,810
3,272,257
368 : 3,241,601
3,263,736
3,266,560
3,276,512
3,291,195
369 : 3,269,455
371 : 3,231,008
3,276,513
374.1 : 3,238,996
.1 : 3,291,196
381 : 3,273,633

Class 161

1 : 3,238,085
3,242,032
3,243,335
3,251,726
3,253,975
3,275,492
3,275,493
3,282,770
3,287,200
3,287,201
4 : 3,290,203
5 : 3,232,818
3,247,046
3,272,683
3,288,666
6 : 3,236,717
7 : 3,274,045
3,285,795
10 : 3,256,129
17 : 3,284,272
22 : 3,244,577
3,278,364
24 : 3,234,073
27 : 3,243,336
33 : 3,264,164
3,275,494
36 : 3,231,450
3,234,074
3,243,337
3,274,046
3,276,941
3,294,617
37 : 3,272,684
43 : 3,231,451
3,264,165
3,290,204
44 : 3,288,667
45 : 3,248,273
46 : 3,274,047
49 : 3,272,685
50 : 3,260,640
53 : 3,279,972
55 : 3,257,259
3,276,942
58 : 3,243,338
60 : 3,248,274
3,287,202
62 : 3,230,134
3,235,438
63 : 3,266,969
66 : 3,285,796
67 : 3,250,661
3,285,797
3,293,104
3,293,105
68 : 3,227,598
3,227,599
3,227,600
3,231,452
3,248,275
3,272,686
3,281,307
69 : 3,227,601
3,235,439
3,257,260
72 : 3,232,819
3,242,033
3,245,863
73 : 3,240,656
3,268,384
83 : 3,231,453
3,284,273
88 : 3,257,261
89 : 3,256,130
3,257,262
3,264,166
90 : 3,293,103
91 : 3,250,662
92 : 3,285,798
93 : 3,285,799
97 : 3,294,618
100 : 3,249,485
102 : 3,232,820
106 : 3,245,864
109 : 3,240,657
110 : 3,231,454
111 : 3,264,167
112 : 3,228,821
3,293,106
113 : 3,244,578
117 : 3,269,886
119 : 3,235,440
3,256,131
3,257,263
123 : 3,242,034
3,247,047
3,285,800
3,287,203
124 : 3,231,455
128 : 3,236,718
131 : 3,279,973
137 : 3,290,205
3,293,107
138 : 3,244,579
139 : 3,228,822
3,250,663
140 : 3,258,387
143 : 3,265,554
3,272,687
144 : 3,276,947
146 : 3,231,456
148 : 3,251,727
150 : 3,271,231
3,276,944
3,282,771
151 : 3,231,457
3,271,228
3,278,365
154 : 3,257,264
155 : 3,232,821
159 : 3,262,834
3,284,274
160 : 3,227,603
3,245,865
3,256,132
3,256,133
3,257,265
3,269,887
3,293,108
161 : 3,235,441
3,265,555
3,272,688
162 : 3,227,604
3,231,458
3,276,943
3,281,308
164 : 3,271,229
3,290,206
165 : 3,249,486
3,282,772
3,294,619
166 : 3,293,109
167 : 3,239,406
168 : 3,242,035
3,245,866
3,245,867
3,251,728
3,279,974
3,284,275
169 : 3,293,110
170 : 3,240,658
3,240,659
3,240,660
3,244,580
3,285,801
3,291,677
172 : 3,256,134
173 : 3,235,442
175 : 3,239,407
3,271,232
3,276,945
3,287,204
177 : 3,231,459
3,268,385
178 : 3,290,207
179 : 3,243,339
3,251,729
182 : 3,232,822
184 : 3,238,086
3,271,230
3,274,048
3,284,276
3,293,111
185 : 3,238,087
3,252,850
3,256,135
3,285,802
186 : 3,228,823
3,244,581
188 : 3,257,266
3,282,773
3,284,277
189 : 3,231,460
3,265,556
3,276,946
190 : 3,255,068
3,255,069
3,284,278
190 : 3,290,208
192 : 3,287,205
193 : 3,256,136
3,261,739
195 : 3,248,276
196 : 3,240,661
3,281,309
199 : 3,231,461
3,244,582
3,249,487
3,249,488
3,249,489
3,249,490
3,262,835
3,262,836
3,262,837
3,271,233
3,271,234
3,271,235
203 : 3,265,530
205 : 3,285,803
206 : 3,259,536
215 : 3,242,036
218 : 3,242,037
3,258,388
3,258,389
219 : 3,293,112
225 : 3,240,662
227 : 3,264,168
3,276,948
3,278,366
3,281,310
232 : 3,294,620
235 : 3,231,462
3,284,279
236 : 3,252,851
239 : 3,285,804
241 : 3,228,824
3,256,137
3,266,970
3,281,311
242 : 3,260,641
247 : 3,227,605
3,294,621
248 : 3,268,386
250 : 3,230,135
3,239,408
3,244,583
3,284,280
251 : 3,266,971
253 : 3,242,038
262 : 3,285,805
264 : 3,294,622
267 : 3,259,537

Class 162

2 : 3,231,463
4 : 3,227,606
3,245,868
3,264,169
3,284,282
5 : 3,248,277
3,253,976
8 : 3,262,838
17 : 3,258,390
19 : 3,238,088
3,259,538
3,278,367
3,294,623
3,294,624
25 : 3,284,283
26 : 3,255,070
30 : 3,258,391
3,268,387
3,268,388
3,293,113
37 : 3,248,278
55 : 3,245,869
56 : 3,251,730
65 : 3,274,049
68 : 3,294,625
71 : 3,251,731
72 : 3,272,689
81 : 3,253,977
82 : 3,255,071
83 : 3,262,839
90 : 3,235,444
101 : 3,275,496
103 : 3,275,497
108 : 3,238,089
111 : 3,230,136
113 : 3,291,678
116 : 3,249,491
119 : 3,269,888
122 : 3,271,236
123 : 3,261,740
124 : 3,256,138
135 : 3,235,443
3,243,340
138 : 3,248,279
3,265,557
145 : 3,228,825
3,236,719
146 : 3,227,608
3,259,539
3,266,972
3,271,237
152 : 3,240,663
3,253,978
155 : 3,269,889
157 : 3,232,823
3,264,170
159 : 3,245,870
3,257,267
3,264,171
3,271,238
161 : Re.26,009
3,230,137
3,234,075
3,264,172
162 : 3,258,392
163 : 3,236,720
164 : 3,240,664
3,247,048
3,248,280
3,250,664
3,258,393
3,266,973
3,269,890
3,291,679
168 : 3,234,076
3,244,584
3,250,665
3,255,072
3,279,975
3,281,312
3,287,206
3,293,114
169 : 3,232,824
3,250,666
3,252,852
3,269,891
3,271,239
3,272,690
171 : 3,271,240
174 : 3,256,139
175 : 3,236,721
3,264,174
177 : 3,245,871
179 : 3,251,732
181 : 3,227,602
3,227,607
184 : 3,293,115
186 : 3,287,207
190 : 3,250,667
3,256,140
3,256,141
3,274,050
199 : 3,257,268
3,278,368
203 : 3,232,825
3,281,313
205 : 3,262,840
209 : 3,255,073
212 : 3,252,853
216 : 3,266,974
3,293,116
218 : 3,232,826
3,284,284
219 : 3,282,774
220 : 3,250,668
222 : 3,236,722
223 : 3,234,077
227 : 3,287,208
228 : 3,232,827
236 : 3,293,117
3,293,118
3,294,626
237 : 3,243,341
3,293,119
252 : 3,260,642
3,265,558
3,266,975
3,272,691
253 : 3,275,498
3,293,120
255 : 3,245,872
3,268,389
259 : 3,247,049
261 : 3,261,741
264 : 3,236,723
272 : 3,291,680
274 : 3,264,173
275 : 3,279,976
3,291,681
276 : 3,265,559
3,279,977
279 : 3,228,826
284 : 3,250,669
3,250,670
297 : 3,284,285
301 : 3,262,841
303 : 3,240,665
306 : 3,268,390
3,285,806
307 : 3,230,138
314 : 3,266,976
317 : 3,236,724
3,272,692
321 : 3,252,854
336 : 3,234,078
3,236,725
338 : 3,255,074
343 : 3,269,892
347 : 3,288,668
348 : 3,256,142
352 : 3,239,409
3,239,410
353 : 3,271,241
3,281,314
355 : 3,232,828
357 : 3,291,682
358 : 3,293,121
361 : 3,269,893
3,290,209
374 : 3,234,079
3,250,671
3,262,842
3,265,560
3,266,977
390 : 3,234,080
397 : 3,235,445
401 : 3,232,829
410 : 3,279,978

Class 163

5 : 3,255,811

Class 165

1 : 3,228,456
3,234,998
3,237,683
3,242,973
3,242,974
3,249,151
3,249,152
3,250,315
3,251,401
3,258,063
3,258,064
3,262,489
3,269,456
3,269,457
3,273,634
3,277,953
3,289,742
3,291,197
3,294,155
2 : 3,240,261
3,242,975
3,252,504
3,263,737
3,263,738
3,266,561
3,267,992
3,269,458
3,270,802
3,276,514
3,286,765
3,288,203
3,291,198
4 : 3,233,659
3,233,660
3,236,291
3,265,119
3,285,326
5 : 3,233,661
3,288,204
6 : 3,242,976
3,265,120
3,280,894
7 : 3,228,457
3,229,752
3,229,753
3,232,334
3,251,402
3,252,505
8 : 3,282,329
9 : 3,232,335
3,234,999
3,246,686
3,246,687
3,250,316
3,270,803
3,280,895
3,294,156
10 : 3,242,977
3,251,403
3,252,506
3,262,490
3,276,515
3,289,743
11 : 3,227,207
3,236,292
3,282,330
3,289,744
12 : 3,254,700
3,259,175
3,260,304
12 : 3,261,394
3,273,635
3,282,331
3,291,200
14 : 3,286,766
3,289,745
16 : 3,247,894
3,262,491
19 : 3,231,009
20 : 3,277,954
21 : 3,245,461
22 : 3,244,223
3,252,507
3,283,808
3,288,205
23 : 3,263,739
25 : 3,242,978
26 : 3,228,458
3,241,602
3,256,929
3,259,176
3,263,740
3,267,993
3,272,258
3,279,531
3,292,687
27 : 3,255,812
3,262,492
3,276,516
3,291,199
28 : 3,267,994
29 : 3,236,293
3,241,603
3,261,395
3,267,995
3,275,067
3,283,809
3,294,157
30 : 3,229,754
31 : 3,275,068
32 : 3,229,755
3,238,997
3,244,224
3,251,404
34 : 3,259,177
36 : 3,289,746
38 : 3,232,336
39 : 3,232,337
3,237,684
3,245,462
3,246,688
3,253,646
3,259,178
3,263,741
3,263,742
3,276,517
3,288,206
40 : 3,238,998
3,251,405
3,263,743
3,277,955
3,288,207
41 : 3,238,999
42 : 3,250,317
3,289,747
3,291,201
43 : 3,280,896
44 : 3,253,647
46 : 3,233,662
3,239,000
3,242,979
3,256,930
3,256,931
3,258,065
3,289,748
47 : 3,241,604
3,263,744
3,266,562
3,275,495
3,280,897
3,285,327
3,285,328
48 : 3,228,459
3,231,010
3,236,294
3,251,406
3,252,508
3,254,701
3,254,702
3,254,703
3,263,745
3,270,804
3,289,749
49 : 3,265,121
50 : 3,235,000
3,242,980
3,247,895
3,262,493
51 : 3,235,001
53 : 3,246,689
55 : 3,250,318
3,258,066
3,263,746
3,289,751

Class 165 – Con.

55 : 3,294,158
60 : 3,240,262
3,265,122
61 : 3,285,329
62 : 3,278,978
64 : 3,246,690
3,275,069
3,277,956
66 : 3,233,663
67 : 3,229,756
3,232,338
3,236,295
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3,247,065
3,252,864
3,252,865
3,253,992
3,279,994
3,293,131
82 : 3,238,103
3,244,596
3,247,066
3,256,153
3,266,992
3,271,256
3,274,061
3,275,518
3,275,519
3,279,995
3,279,996
3,279,997
3,279,998
82 : 3,282,789
3,282,790
3,282,791
3,290,218
3,293,132
3,293,133
3,293,420
3,227,614
3,260,648
3,264,188
3,287,222
3,228,841
3,234,096
3,236,732
3,257,279
3,269,914
3,271,257
3,274,062
3,279,068
3,291,693
3,293,134
85 : 3,234,097
3,235,457
3,250,680
3,250,681
3,251,740
3,257,280
3,279,999
86 : 3,272,711
87 : 3,228,842
3,228,843
3,236,733
3,243,346
3,248,296
3,261,753
3,272,712
3,285,818
.1 : 3,227,615
.1 : 3,230,144
.1 : 3,234,098
.1 : 3,240,672
.1 : 3,242,052
.1 : 3,247,067
.1 : 3,250,682
.1 : 3,251,741
.1 : 3,252,866
.1 : 3,253,993
.1 : 3,256,154
.1 : 3,257,281
.1 : 3,265,582
.1 : 3,266,994
.1 : 3,285,819
88 : 3,231,471
3,236,734
3,251,742
3,251,743
3,251,744
3,253,980
3,261,754
3,287,222
89 : 3,271,258
90 : 3,231,472
3,235,458
3,255,082
3,259,545
3,266,995
3,272,713
3,275,520
3,278,383
3,287,223
3,288,681
91 : 3,227,616
3,274,063
93 : 3,227,617
3,227,618
3,228,844
3,228,845
3,235,459
3,235,460
3,256,155
3,257,282
3,266,996
3,282,792
94 : 3,239,421
3,258,400
3,271,259
95 : 3,235,461
3,235,462
3,236,735
165 : 3,285,814

Class 168

4 : 3,285,346
12 : 3,288,223
18 : 3,236,310
29 : 3,283,825

Class 169

1 : 3,229,769
3,273,651
3,283,826
2 : Re.26,020
3,244,235
2 : 3,245,473
3,283,827
5 : Re.26,121
9 : 3,251,419
15 : 3,241,617
3,272,263
3,285,347
16 : 3,268,009
19 : 3,229,770
3,261,404
3,288,224
21 : 3,292,709
23 : 3,227,219
25 : 3,283,828
26 : 3,245,474
30 : 3,252,856
3,273,652
31 : 3,228,474
3,239,010
3,251,420
3,255,824
3,259,194
38 : 3,253,657
39 : 3,291,216

Class 170

79 : 3,228,475
135.2 : 3,273,653
.21: 3,247,906
.21: 3,270,820
.4 : 3,251,421
.4 : 3,259,195
.4 : 3,279,546
.4 : 3,288,225
.7 : 3,273,654
.72: 3,253,658
.74: 3,236,311
.74: 3,261,405
.743 3,228,476
.75: 3,255,825
148 : 3,241,618
151 : 3,258,074
3,268,010
159 : 3,233,678
3,237,697
3,239,011
3,266,578
3,283,829
160.1 : 3,292,710
.1 : 3,294,176
.11: 3,249,160
.12: 3,247,907
.12: 3,254,724
.12: 3,255,826
.12: 3,256,938
.12: 3,265,136
.12: 3,273,655
.12: 3,282,350
.13: 3,227,220
.13: 3,275,083
.14: 3,261,406
.15: 3,245,475
.2 : 3,249,159
.23: 3,237,698
.25: 3,228,477
.25: 3,232,348
.25: 3,232,349
.25: 3,260,313
.25: 3,261,407
.25: 3,289,770
.26: 3,228,478
.26: 3,288,226
.26: 3,288,227
.27: 3,228,479
.27: 3,233,679
.27: 3,254,725
.31: 3,260,311
.32: 3,228,480
.32: 3,229,771
.32: 3,232,350
.32: 3,240,275
.32: 3,242,992
.32: 3,247,908
.32: 3,253,659
.32: 3,263,754
.32: 3,273,656
.33: 3,227,221
.34: 3,253,660
.43: 3,262,502
.43: 3,288,228
.44: 3,282,351
.44: 3,291,221
.49: 3,231,023
.5 : 3,260,312
.5 : 3,275,082
.53: 3,229,772
.53: 3,249,161
.53: 3,256,939
.53: 3,292,711
.53: 3,292,712
.58: 3,228,481
.58: 3,253,661
.58: 3,280,918

Class 170—Con.

160.6 : 3,231,022
.61: 3,294,175
165 : 3,282,352
166 : 3,246,698
173 : 3,228,482
3,244,236
3,245,476
3,246,699
3,255,827

Class 171

1 : 3,286,774
17 : 3,240,276
3,247,909
18 : 3,237,699
31 : 3,227,222
42 : 3,294,177
58 : 3,227,223
3,250,332
61 : 3,241,619
3,262,503
63 : 3,261,408
3,263,755
94 : 3,252,520
101 : 3,260,314

Class 172

1 : 3,235,009
3 : 3,294,178
4 : 3,233,680
3,245,477
3,251,422
6 : 3,233,681
7 : 3,233,682
3,235,010
3,241,620
3,246,700
3,255,828
9 : 3,239,012
3,241,621
3,246,701
3,256,940
3,275,084
10 : 3,239,013
3,246,702
3,269,464
3,275,085
3,294,179
14 : 3,231,024
3,285,348
18 : 3,232,351
19 : 3,235,011
38 : 3,228,483
39 : 3,229,773
3,236,312
40 : 3,231,025
42 : 3,232,352
43 : 3,282,353
44 : 3,227,224
3,246,703
3,283,830
45 : 3,262,504
47 : 3,237,700
60 : 3,263,756
71 : 3,233,683
3,252,521
75 : 3,291,222
92 : 3,229,774
96 : 3,246,704
106 : 3,233,684
107 : 3,232,353
108 : 3,255,829
119 : 3,233,685
3,233,686
126 : 3,250,333
155 : 3,289,771
157 : 3,235,012
159 : 3,251,423
162 : 3,232,354
197 : 3,294,180
198 : 3,263,757
206 : Re.26,129
239 : 3,242,993
240 : 3,245,478
251 : 3,289,772
265 : 3,242,994
266 : 3,275,086
269 : 3,289,773
3,292,713
273 : 3,272,264
276 : 3,268,011
307 : 3,265,137
310 : 3,256,942
316 : 3,258,075
326 : 3,261,409
328 : 3,236,313
371 : 3,261,410
375 : 3,240,277
378 : 3,232,355
400 : 3,228,484
413 : 3,235,013
3,239,015
3,260,315
414 : 3,252,522
447 : 3,252,523
451 : 3,237,701
456 : 3,227,225
3,255,830
3,262,505
460 : 3,247,910
3,280,919
462 : 3,242,995
510 : 3,247,911
516 : 3,260,316
538 : 3,228,485
548 : 3,232,356
559 : 3,261,411
572 : 3,275,087
583 : 3,292,714
595 : 3,292,716
603 : 3,244,237
611 : 3,255,831
635 : 3,245,479
643 : 3,232,357
657 : 3,239,014
686 : 3,291,223
700 : 3,254,726
3,268,012
705 : 3,227,226
3,237,702
3,245,480
3,277,967
707 : 3,252,524
708 : 3,294,181
710 : 3,258,076
713 : 3,231,026
719 : 3,254,727
742 : 3,232,358
748 : 3,266,579
755 : Re.26,098
761 : 3,244,238

Class 173

7 : 3,247,912
9 : 3,288,229
12 : 3,229,775
3,253,662
3,292,715
15 : Re.26,038
17 : 3,229,776
18 : 3,241,622
3,250,334
19 : 3,266,580
22 : 3,240,278
27 : 3,252,525
28 : 3,244,239
35 : 3,260,317
37 : 3,236,314
38 : 3,252,526
41 : 3,252,527
43 : 3,236,315
3,240,279
3,244,240
3,256,943
3,263,758
3,283,831
44 : 3,246,705
3,247,913
3,280,920
46 : 3,231,027
48 : 3,286,775
3,286,776
49 : 3,291,224
53 : 3,268,013
57 : 3,232,359
3,235,014
75 : 3,256,944
76 : 3,231,028
77 : 3,294,182
78 : 3,259,196
82 : 3,227,227
83 : 3,233,687
88 : 3,256,945
93 : 3,242,996
3,272,265
.6 : 3,228,486
.6 : 3,237,703
.6 : 3,269,466
97 : 3,256,946
3,268,014
98 : 3,262,506
105 : 3,244,241
110 : 3,275,088
112 : 3,245,481
121 : 3,273,657
123 : 3,270,821
3,280,921
126 : 3,245,482
3,283,832
131 : 3,242,997
3,253,663
133 : 3,255,832
137 : 3,245,483
137 : 3,270,822
139 : 3,250,335
141 : 3,273,658
147 : 3,246,706
3,268,015
152 : 3,228,487
159 : 3,245,484
160 : 3,236,316
162 : 3,266,581
3,275,089
3,294,183
163 : 3,235,015
3,242,998
3,276,524
3,277,968
164 : 3,239,016
3,272,266
3,291,225
170 : 3,272,267

Class 174

1 : 3,253,080
3,270,120
2 : 3,236,932
3,294,892
5 : 3,249,679
6 : 3,281,520
8 : 3,255,298
3,291,889
11 : 3,260,786
12 : 3,242,250
3,293,349
13 : 3,236,933
14 : 3,229,023
3,253,081
15 : 3,234,317
3,243,495
3,248,471
3,249,680
3,260,787
3,261,904
3,261,905
3,264,399
3,265,802
3,265,803
3,268,650
3,286,014
3,293,350
16 : 3,230,293
17 : 3,231,662
3,249,681
3,254,150
3,281,521
.05: 3,240,861
.05: 3,256,382
.07: 3,256,383
18 : 3,242,251
3,243,496
3,258,520
3,274,326
19 : 3,244,792
21 : 3,235,651
3,271,505
22 : 3,236,934
23 : 3,248,472
24 : 3,233,032
25 : 3,229,024
3,263,020
3,293,351
28 : 3,261,906
3,271,506
29 : 3,227,800
3,248,473
3,286,015
30 : 3,286,016
3,291,890
33 : 3,244,793
34 : 3,227,801
3,280,244
35 : 3,230,294
3,231,663
3,234,318
3,236,935
3,240,862
3,246,072
3,247,312
3,249,682
3,253,082
3,256,384
3,260,788
3,265,804
3,277,230
3,283,058
3,293,352
36 : 3,259,684
3,286,017
3,291,891
3,293,353
38 : 3,242,252
3,257,496
3,268,651
3,283,059
40 : 3,229,025
40 : 3,239,594
3,254,151
41 : 3,267,201
42 : 3,230,295
3,246,073
3,260,789
3,263,021
3,264,400
3,264,401
3,286,018
3,286,019
3,286,020
3,291,892
43 : 3,234,319
45 : 3,235,652
3,240,863
3,267,202
47 : 3,277,231
3,290,426
48 : 3,244,794
3,246,074
3,263,022
50 : 3,281,522
.5 : 3,234,320
.55: 3,291,893
.56: 3,249,683
.58: 3,242,253
.6 : 3,230,296
.61: 3,247,313
.61: 3,281,523
51 : 3,235,653
3,260,790
52 : 3,227,802
3,236,936
3,236,937
3,239,595
3,239,596
3,240,864
3,242,254
3,253,083
3,253,084
3,254,152
3,258,521
3,265,805
3,265,806
3,271,507
3,272,908
3,291,894
53 : 3,288,910
59 : 3,233,033
61 : 3,243,497
65 : 3,229,026
3,290,427
66 : 3,257,497
68 : 3,267,203
3,288,911
.5 : 3,230,297
.5 : 3,233,034
.5 : 3,239,597
.5 : 3,240,865
.5 : 3,240,866
.5 : 3,243,498
.5 : 3,244,795
.5 : 3,247,314
.5 : 3,248,474
.5 : 3,250,848
.5 : 3,255,299
.5 : 3,259,685
.5 : 3,260,791
.5 : 3,263,023
.5 : 3,264,402
.5 : 3,268,652
.5 : 3,268,653
.5 : 3,272,909
.5 : 3,274,327
.5 : 3,274,328
.5 : 3,277,232
.5 : 3,283,060
69 : 3,240,867
3,246,075
3,274,329
70 : 3,229,027
3,288,912
3,294,893
71 : 3,287,487
72 : 3,238,289
3,248,475
3,264,403
73 : Re.26,066
3,242,255
3,243,499
3,290,428
75 : 3,229,028
3,234,321
3,249,684
3,257,498
3,259,686
77 : 3,244,796
78 : 3,227,803
3,277,233
3,284,561
79 : 3,238,290
3,288,913
3,294,894
80 : 3,286,021
81 : 3,287,488
84 : 3,242,256
3,243,500
3,244,797
3,244,798
3,247,315
3,249,685
3,258,522
3,274,330
3,275,736
3,281,524
3,288,914
3,293,354
3,293,355
87 : 3,243,501
3,265,807
3,283,061
88 : 3,230,298
3,270,121
3,280,245
3,280,246
3,291,895
89 : 3,275,737
93 : 3,233,035
3,240,868
3,254,153
3,280,247
94 : 3,231,664
3,235,654
3,236,938
3,247,316
3,250,849
3,251,926
3,257,499
3,274,331
3,275,738
3,288,915
3,294,895
99 : 3,243,502
101 : 3,229,029
3,243,503
.5 : 3,272,910
102 : 3,287,489
3,287,490
3,290,429
103 : 3,259,687
105 : 3,230,299
3,265,808
3,286,022
106 : 3,230,300
3,272,911
107 : 3,233,036
3,244,799
3,259,688
3,272,912
3,275,739
108 : 3,231,665
110 : 3,236,939
3,284,562
113 : 3,271,508
115 : 3,261,907
116 : 3,257,500
3,263,024
3,288,916
117 : Re.26,024
3,229,030
3,249,686
3,251,927
3,253,085
3,270,122
120 : 3,239,598
3,244,800
3,278,673
3,291,896
121 : 3,250,850
3,265,809
3,271,509
3,275,740
126 : 3,291,897
128 : 3,261,908
3,270,123
130 : 3,255,300
3,260,792
3,264,404
131 : 3,291,898
135 : 3,240,869
3,260,793
137 : 3,242,257
3,255,301
3,267,204
138 : 3,238,291
3,243,504
3,250,851
3,255,302
3,260,794
3,268,654
3,272,913
3,278,674
3,283,062
3,287,491
140 : 3,243,505
142 : 3,231,666
143 : 3,230,301
143 : 3,234,322
3,239,599
3,257,501
144 : 3,239,600
3,250,852
3,260,795
3,270,124
145 : 3,258,523
3,284,563
146 : 3,268,655
3,271,510
148 : 3,291,899
150 : 3,229,031
3,288,917
151 : 3,263,025
152 : 3,229,032
3,235,655
3,251,928
3,254,154
3,257,502
3,257,503
3,274,332
153 : 3,244,801
3,244,802
3,249,687
3,261,909
3,267,205
3,277,234
3,290,430
154 : 3,244,803
3,263,026
157 : 3,246,076
158 : 3,264,405
161 : 3,258,524
169 : 3,267,206
3,291,900
173 : 3,286,023
3,288,918
177 : 3,246,077
178 : 3,260,796
3,261,910
211 : 3,281,525

Class 175

4 : 3,227,228
3,272,268
3,273,659
3,280,922
.51: 3,268,016
.51: 3,269,467
.54: 3,246,707
.55: 3,246,708
.58: 3,236,317
.6 : 3,233,688
.6 : 3,245,485
.6 : 3,282,354
5 : 3,259,197
3,277,969
6 : 3,279,547
7 : 3,227,229
3,247,914
3,250,336
3,252,528
3,252,529
3,259,198
9 : 3,244,242
19 : 3,242,999
3,277,970
3,289,774
22 : 3,261,412
24 : 3,255,833
25 : 3,268,017
26 : 3,280,923
44 : 3,241,623
3,291,226
46 : 3,292,717
52 : 3,265,138
3,286,777
53 : 3,231,029
55 : 3,280,924
3,285,349
3,291,227
3,291,228
56 : 3,251,424
3,262,507
3,283,833
57 : 3,266,582
3,273,660
3,285,350
58 : 3,280,925
60 : 3,291,229
61 : 3,282,355
62 : 3,232,360
65 : 3,231,030
3,243,000
3,294,184
66 : 3,276,966
3,289,775
67 : 3,231,031
69 : 3,286,778
71 : 3,229,777
3,240,280
3,269,468
71 : 3,277,971
72 : 3,253,664
3,288,230
73 : 3,243,001
75 : 3,260,318
85 : 3,270,823
3,294,185
89 : 3,285,351
92 : 3,237,704
94 : 3,233,689
96 : 3,249,162
101 : 3,291,230
102 : 3,232,361
103 : 3,282,356
104 : 3,232,362
105 : 3,232,363
106 : 3,236,318
107 : 3,270,824
122 : 3,282,357
170 : 3,291,231
171 : 3,231,032
207 : 3,262,508
214 : 3,227,230
3,285,352
230 : Re.26,120
242 : 3,285,354
243 : 3,236,319
257 : 3,241,624
263 : 3,236,320
267 : 3,283,834
279 : 3,251,425
280 : 3,235,016
296 : 3,239,017
297 : 3,251,426
3,285,353
299 : 3,233,690
317 : 3,261,413
3,283,835
318 : 3,268,018
3,292,718
320 : 3,251,427
3,261,414
321 : 3,235,017
330 : 3,280,926
3,283,836
331 : 3,239,431
334 : 3,231,033
3,285,355
336 : 3,269,469
339 : 3,292,719
343 : 3,250,337
356 : 3,265,139
382 : 3,260,319
383 : 3,280,927
389 : 3,258,077
391 : 3,235,018
398 : 3,289,776
399 : 3,277,972
403 : 3,232,364
406 : 3,237,705
407 : 3,277,973
410 : 3,269,470
3,294,186
411 : 3,282,358
414 : 3,283,837
418 : 3,269,471

Class 176

1 : 3,243,348
3,258,401
3,258,402
3,278,384
3,281,324
3 : 3,230,148
3,257,283
3,290,219
5 : 3,257,284
7 : 3,265,583
11 : 3,291,694
12 : 3,281,325
13 : 3,284,305
14 : 3,251,745
15 : 3,284,306
3,290,220
3,294,642
16 : 3,234,099
3,269,915
17 : 3,235,463
3,255,083
3,267,001
3,268,410
3,293,135
18 : 3,228,846
3,244,597
3,247,068
3,252,867
3,260,649
3,262,856
3,271,260
3,275,521
3,276,963
3,287,224
19 : 3,234,100

19 : 3,234,101
3,240,673
3,240,674
3,248,297
3,265,584
20 : 3,240,675
3,247,069
3,253,994
3,255,084
3,271,261
3,274,064
3,276,964
3,284,307
3,291,695
22 : 3,227,619
3,251,746
3,261,755
3,267,002
3,276,965
27 : 3,227,620
3,280,000
3,282,793
28 : 3,230,146
3,236,737
3,285,820
3,288,682
3,290,221
29 : 3,249,158
3,285,821
30 : 3,232,840
3,236,738
3,247,070
3,247,071
3,253,995
3,264,189
3,271,262
3,271,263
3,280,001
3,293,136
32 : 3,293,137
33 : 3,239,422
3,255,085
3,257,285
3,287,225
35 : 3,228,847
3,230,147
3,255,086
3,257,286
36 : 3,231,473
3,232,841
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37 : 3,232,843
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38 : 3,294,644
39 : 3,228,848
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40 : 3,287,227
41 : 3,238,106
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42 : 3,239,423
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43 : 3,230,148
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44 : 3,228,851
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45 : 3,284,309
47 : 3,285,823
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53 : 3,245,881
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54 : 3,231,474
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56 : 3,242,053
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58 : 3,228,852
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59 : 3,247,075
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60 : 3,231,475
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61 : 3,235,465
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62 : 3,238,107
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64 : 3,261,415
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115 : 3,256,948
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126 : 3,272,269
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134 : 3,266,584
136 : 3,231,034
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137 : 3,241,626
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139 : 3,231,035
141 : 3,263,762
144 : 3,239,018
147 : 3,229,778
149 : 3,276,527
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161 : 3,247,918
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206 : 3,227,233
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217 : 3,270,825
225 : 3,249,164
233 : 3,229,780
234 : 3,250,339
246 : 3,237,707
248 : 3,232,365
255 : 3,252,532

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70 : 3,286,030
71 : 3,280,255
75 : 3,243,510
79 : 3,234,331
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81 : 3,261,914
88 : 3,265,813
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92 : 3,255,314
108 : 3,293,363

Class 179

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5 : 3,284,572
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6 : 3,230,312
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Class 179—Con.

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7 : 3,244,811
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.1 : 3,294,911
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43 : 3,251,950
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81 : 3,227,812
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82 : 3,244,816
84 : 3,227,813
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7 : 3,253,667
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3,260,322
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3,265,142
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3,265,144
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3,268,022
3,268,023
3,269,476
3,269,477
3,270,827
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3,273,663
3,275,090
3,276,528
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3,285,356
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3,292,721
3,294,188
8 : 3,249,168
3,255,836
3,265,145
3,269,478
3,270,828
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9.2 : 3,254,738
.22: 3,282,363
.24: 3,259,200
.24: 3,276,531
.24: 3,292,722
.46: 3,265,146
.5 : 3,289,779
.52: 3,247,922
10 : 3,260,324
11 : 3,249,169
3,253,668
3,285,358
12 : 3,235,020
13 : 3,246,713
14 : 3,227,235
3,236,322
3,244,249
3,245,488
3,246,714
3,255,837
3,283,840
3,283,841
3,294,189
.5 : 3,245,489
19 : 3,232,367
3,247,923
3,249,170
3,254,734
3,263,765
3,291,243
20 : 3,268,024
21 : 3,243,006
22 : 3,269,479
3,275,091
3,277,974
23 : 3,280,931
26 : 3,229,782

26 : 3,282,364
3,289,780
27 : 3,249,171
3,266,589
3,273,661
3,282,365
3,294,190
30 : 3,236,323
31 : 3,268,025
32 : 3,280,932
33 : 3,227,236
35 : 3,252,537
3,269,480
41 : 3,253,669
43 : 3,227,237
3,243,007
3,253,670
3,255,838
3,255,839
44 : 3,235,021
3,246,715
3,250,340
3,256,950
3,262,512
3,265,147
3,272,276
3,272,277
3,272,278
3,272,279
3,292,723
45 : 3,255,840
3,282,366
46 : 3,236,324
48 : 3,283,842
51 : 3,236,325
3,240,284
3,253,671
3,270,829
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52 : 3,280,933
3,286,781
53 : 3,241,628
3,254,735
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3,261,421
3,263,766
3,282,368
54 : 3,262,513
3,266,590
3,266,591
3,276,532
3,279,556
3,285,359
3,288,237
64 : 3,236,326
3,246,716
3,252,538
3,289,781
66 : 3,280,934
68.5 : 3,254,736
.5 : 3,265,148
.5 : 3,275,092
69 : 3,232,368
3,249,172
3,261,422
.1 : 3,279,557
70 : 3,231,039
73 : 3,228,489
3,229,783
3,231,040
3,235,022
3,241,629
3,243,008
3,245,490
3,245,491
3,245,492
3,246,717
3,246,718
3,259,201
3,277,975
3,277,976
74 : Re.26,044
75 : 3,253,672
76 : 3,232,369
77 : 3,237,709
3,250,341
3,252,539
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3,253,673
3,263,767
3,265,149
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3,275,093
3,288,238
78 : 3,288,239
79 : 3,235,023
3,273,664
.1 : 3,235,024
.1 : 3,244,250
.1 : 3,246,719
.2 : Re.25,981
.2 : 3,227,238

79.2 : 3,227,239
.2 : 3,239,025
.2 : 3,240,285
.2 : 3,241,630
.2 : 3,249,173
.2 : 3,249,174
.2 : 3,251,433
.2 : 3,254,737
.2 : 3,256,951
.2 : 3,258,082
.2 : 3,260,325
.2 : 3,269,481
.2 : 3,279,558
.2 : 3,291,245
.2 : 3,292,724
.2 : 3,292,725
.2 : 3,294,192
.4 : 3,272,274
82 : 3,228,490
3,237,710
3,244,251
3,245,493
3,247,924
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3,259,202
3,259,203
3,262,514
3,265,150
3,269,482
3,269,483
3,282,369
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3,285,368
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3,292,726
.1 : 3,235,025
.1 : 3,239,026
.1 : 3,245,494
.1 : 3,249,175
.1 : 3,249,176
.1 : 3,268,026
.1 : 3,268,027
.1 : 3,289,783
.1 : 3,291,246
83 : 3,261,423
85 : 3,273,665
88 : 3,270,830
3,283,843
89 : 3,279,559
90 : 3,270,831
.6 : 3,275,094

Class 181

.5 : 3,229,784
.5 : 3,231,041
.5 : 3,233,694
.5 : 3,235,026
.5 : 3,235,027
.5 : 3,236,327
.5 : 3,237,711
.5 : 3,237,712
.5 : 3,239,027
.5 : 3,240,286
.5 : 3,240,288
.5 : 3,243,009
.5 : 3,244,252
.5 : 3,244,253
.5 : 3,246,720
.5 : 3,249,177
.5 : 3,252,541
.5 : 3,253,674
.5 : 3,254,739
.5 : 3,256,952
.5 : 3,260,326
.5 : 3,260,327
.5 : 3,262,515
.5 : 3,263,768
.5 : 3,265,151
.5 : 3,265,152
.5 : 3,268,028
.5 : 3,268,029
.5 : 3,270,832
.5 : 3,270,833
.5 : 3,275,095
.5 : 3,275,096
.5 : 3,275,097
.5 : 3,275,098
.5 : 3,276,533
.5 : 3,276,534
.5 : 3,276,535
.5 : 3,277,977
.5 : 3,280,935
.5 : 3,280,936
.5 : 3,280,937
.5 : 3,280,938
.5 : 3,282,370
.5 : 3,282,371
.5 : 3,282,372
.5 : 3,283,844
.5 : 3,283,845
.5 : 3,283,846

.5 : 3,285,362
.5 : 3,285,363
.5 : 3,286,782
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.5 : 3,288,241
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.5 : 3,289,784
.5 : 3,291,247
.5 : 3,291,248
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.5 : 3,291,250
.5 : 3,292,727
.5 : 3,292,728
.5 : 3,292,729
.5 : 3,294,193
.5 : 3,294,194
20 : 3,259,204
23 : 3,259,205
24 : 3,255,841
3,275,099
3,276,536
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27 : 3,266,592
30 : 3,232,370
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31 : 3,233,695
3,233,696
3,235,028
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3,237,713
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3,246,721
3,247,925
3,247,926
3,255,842
3,256,953
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3,265,153
3,268,030
3,272,281
3,273,662
3,275,100
3,276,538
3,283,848
3,285,364
3,291,251
3,294,195
32 : 3,239,029
3,247,927
3,292,730
33 : 3,229,785
3,231,042
3,232,371
3,232,372
3,235,029
3,237,714
3,247,928
3,249,178
3,253,675
3,255,843
3,261,424
3,265,154
3,269,484
3,275,101
3,276,539
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3,286,784
3,286,785
36 : 3,232,373
3,251,434
3,255,844
3,263,770
3,270,834
3,292,731
37 : 3,292,732
39 : 3,282,373
3,291,252
42 : 3,233,697
3,244,254
3,263,771
44 : 3,262,516
47 : 3,237,715
3,279,560
48 : 3,233,698
3,276,540
3,276,541
3,289,785
50 : 3,243,010
3,286,786
51 : 3,227,240
3,244,255
52 : 3,235,030
3,270,835
54 : 3,289,786
56 : 3,227,241
3,250,342
3,273,666
57 : 3,292,733

58 : 3,243,011
59 : 3,259,206
3,263,772
61 : 3,227,242
3,232,374
3,283,847
62 : 3,233,699
64 : 3,253,676
67 : 3,286,787
72 : 3,237,716
3,243,012

Class 182

2 : 3,233,700
3,252,542
3,253,677
3,262,517
3,283,850
3,291,253
3 : 3,237,717
5 : 3,235,031
3,260,328
12 : 3,282,374
13 : 3,232,375
3,256,954
7 : 3,229,786
3,244,256
3,253,678
3,273,669
3,280,941
3,286,793
14 : 3,243,013
19 : 3,229,787
24 : 3,279,561
27 : 3,282,376
55 : 3,241,635
3,243,014
3,244,257
3,261,426
56 : 3,266,597
104 : 3,235,032
105 : 3,283,854
106 : 3,228,491
3,269,488
3,282,381

Class 185

37 : 3,294,198
39 : 3,227,244
3,283,855
3,289,790
40 : 3,233,703
3,258,086

Class 186

1 : 3,237,721
3,245,498
3,246,722
3,247,929
3,262,519
3,263,774
3,263,775
3,263,776
3,265,157
3,270,837
3,282,382
3,286,794

Class 187

1 : 3,294,199
2 : 3,266,598
3,272,286
3,276,546
3 : 3,260,330
8.41: 3,276,547
.41: 3,279,562
.41: 3,291,259
.47: 3,276,548
.47: 3,291,260
.52: 3,252,544
.54: 3,250,346
.59: 3,237,722
.74: 3,237,723
.75: 3,243,015
.77: 3,258,087
9 : 3,231,047
3,232,380
3,235,033
3,235,034
3,235,035
3,252,545
3,252,546
3,259,211
3,263,777
3,265,158
3,266,599
3,268,033
3,272,287
4 3,276,549

9 : 3,279,563
3,283,856
3,289,791
3,291,261
10 : 3,229,788
12 : 3,277,978
17 : 3,252,547
28 : 3,253,679
29 : 3,236,332
3,240,290
3,241,636
3,256,958
3,261,427
3,292,736
31 : 3,239,030
3,292,737
35 : 3,261,428
50 : 3,277,979
51 : 3,231,048
52 : 3,285,369
66 : 3,239,031
73 : 3,244,258
3,247,930
83 : 3,232,381
88 : 3,249,179
3,262,520
3,282,383
89 : 3,232,382
96 : 3,227,245

Class 188

1 : 3,228,492
3,231,049
3,232,383
3,232,384
3,236,333
3,236,334
3,242,791
3,252,548
3,259,212
3,262,521
3,266,600
3,273,670
3,280,942
3,283,857
3,289,792
3 : Re.25,968
5 : 3,231,050
3,247,931
3,288,250
6 : 3,292,738
18 : 3,289,793
29 : 3,250,347
3,276,550
3,288,251
32 : 3,258,088
3,265,159
3,280,943
3,288,252
3,289,794
33 : 3,240,291
44 : 3,273,671
52 : 3,253,680
3,266,601
59 : 3,239,032
3,288,253
62 : 3,227,246
3,232,385
3,232,386
3,273,672
67 : 3,249,180
3,263,778
3,272,288
3,277,980
69 : 3,241,637
71 : 3,233,704
3,268,035
3,269,489
72 : Re.26,078
3,232,387
3,239,033
3,240,292
3,245,499
3,255,846
3,255,847
3,260,331
3,273,673
3,273,674
3,286,795
3,289,795
73 : 3,228,493
3,231,051
3,231,052
3,233,705
3,236,335
3,236,336
3,237,724
3,243,016
3,243,017
3,245,500
3,249,181
3,251,436

73 : 3,253,681
3,255,848
3,256,959
3,258,089
3,258,090
3,260,332
3,261,429
3,261,430
3,265,160
3,266,602
3,268,034
3,269,490
3,269,491
3,273,675
3,273,676
3,279,564
3,285,370
3,285,371
3,285,372
3,291,262
3,292,739
3,292,740
3,294,200
77 : 3,240,293
78 : 3,232,388
3,240,294
3,243,018
3,249,182
3,255,849
3,273,677
3,275,103
3,276,551
3,277,981
3,283,858
79 : 3,292,741
.5 : 3,227,247
.5 : 3,232,389
.5 : 3,237,725
.5 : 3,241,638
.5 : 3,265,161
.5 : 3,279,565
.5 : 3,279,566
.5 : 3,294,201
.5 : 3,294,202
.5 : 3,294,203
82.1 : 3,268,036
.3 : 3,288,254
.84: 3,236,337
85 : 3,227,248
86 : 3,236,338
3,259,213
3,265,162
87 : 3,256,960
88 : 3,232,390
3,237,726
3,240,295
3,256,961
3,265,163
90 : 3,228,494
3,237,727
3,237,752
3,254,741
3,270,838
3,272,289
3,283,859
93 : 3,237,728
94 : 3,247,932
96 : 3,270,839
3,286,796
97 : 3,255,850
3,286,797
100 : 3,236,339
3,266,603
3,268,037
3,275,356
3,275,357
105 : 3,233,706
106 : 3,229,789
3,245,501
107 : 3,252,549
112 : 3,241,639
3,285,373
119 : 3,292,742
127 : 3,292,743
130 : 3,262,522
135 : 3,292,744
136 : 3,237,729
137 : 3,247,933
138 : 3,244,259
3,261,431
140 : 3,261,432
152 : Re.26,106
3,232,391
3,236,340
3,239,034
3,254,742
3,256,962
3,259,214
3,265,164
3,268,038
3,269,492
3,269,493
3,277,982
3,283,860
3,289,796

152 : 3,291,263
3,291,264
3,292,745
161 : 3,259,215
166 : 3,265,165
171 : 3,280,944
3,285,374
3,288,255
3,289,797
176 : 3,279,567
181 : 3,235,036
3,294,204
188 : 3,250,348
195 : 3,286,798
3,291,265
196 : 3,232,392
3,237,730
3,240,296
3,244,260
3,246,723
3,255,851
3,261,433
3,261,434
3,261,435
3,275,104
3,277,983
3,277,984
3,283,861
3,285,375
199 : 3,253,682
202 : 3,249,183
3,280,945
206 : 3,269,494
3,279,568
3,279,569
3,279,570
216 : 3,294,205
218 : 3,237,731
3,237,732
3,243,019
3,250,349
3,286,799
3,292,746
243 : 3,237,733
250 : 3,235,037
3,265,166
3,275,105
251 : 3,227,249
3,265,167
264 : 3,233,707
3,247,934
3,247,935
3,251,437
3,259,216
3,268,039
3,277,985

Class 189

35 : 3,232,393
36 : 3,227,250
3,227,251
3,228,495
3,229,790
3,229,791
3,231,054
3,232,394
3,232,395
3,233,708
3,236,341
3,236,342
3,239,035
3,239,036
3,240,297
3,275,356
3,275,357
45 : 3,236,343
46 : 3,231,055
3,251,156
3,252,259
72 : 3,232,396
76 : 3,240,298

Class 190

1 : 3,275,106
3,291,266
41 : 3,231,056
3,266,604
42 : 3,258,091
43 : 3,244,261
3,273,678
3,292,747
48 : 3,259,217
3,266,605
49 : 3,286,800
3,291,267
3,294,206
51 : 3,232,397
3,263,779
53 : 3,292,748
54 : 3,251,438
56 : 3,292,749

Class 190—Con.

57 : 3,243,020
3,265,168
3,269,495
58 : 3,289,798
3,289,799

Class 191

1 : 3,272,928
12 : 3,248,487
3,251,955
3,264,417
3,291,921
.2 : 3,258,545
.2 : 3,275,760
.4 : 3,290,453
33 : 3,249,704
64 : 3,231,689
66 : 3,238,314

Class 192

.02: 3,285,376
.032 3,237,734
.052 3,273,679
.072 3,243,021
.072 3,256,963
.075 3,245,502
.084 3,236,344
.092 3,276,552
.092 3,280,946
.096 3,228,503
.096 3,235,041
.096 3,244,262
.096 3,250,350
.098 3,228,504
2 : 3,235,042
3,245,503
3,282,384
3 : 3,229,792
3,232,398
3,240,299
3,243,022
3,253,683
3,254,743
3,275,107
.2 : 3,235,043
.2 : 3,239,037
.2 : 3,247,936
.2 : 3,250,351
.2 : 3,253,684
.2 : 3,262,523
.2 : 3,263,780
.2 : 3,263,781
.2 : 3,265,169
.2 : 3,275,108
.5 : 3,227,252
.5 : 3,228,496
.5 : 3,239,038
.5 : 3,245,504
.5 : 3,251,439
.5 : 3,252,550
.5 : 3,259,218
.5 : 3,263,782
.5 : 3,265,170
.5 : 3,292,750
.5 : 3,292,751
4 : 3,241,640
3,246,724
3,255,852
3,270,840
3,291,268
6 : 3,252,551
3,252,552
3,254,744
3,256,964
3,273,680
8 : 3,237,735
3,240,300
3,243,023
3,250,352
3,276,553
3,285,377
3,294,207
9 : 3,262,524
12 : 3,228,497
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3,285,378
13 : 3,262,525
3,288,256
3,292,752
16 : 3,239,040
17 : 3,240,301
18 : 3,227,253
3,233,709
3,235,045
3,240,302
3,245,505
3,246,725
3,250,353
3,251,440
18 : 3,251,441
3,253,685
3,253,686
3,258,092
3,268,040
3,272,290
3,283,862
3,292,753
20 : 3,240,303
21.5 : 3,239,041
.5 : 3,249,184
.5 : 3,254,745
.5 : 3,255,853
.5 : 3,266,606
.5 : 3,270,841
22 : 3,261,436
25 : 3,256,965
26 : 3,277,986
3,280,947
27 : 3,291,269
28 : 3,275,110
29 : 3,276,554
30 : 3,291,270
32 : 3,239,042
35 : 3,288,257
38 : 3,262,526
3,279,571
41 : 3,244,263
3,261,437
3,275,111
43.1 : 3,249,185
.2 : 3,265,171
.2 : 3,269,496
44 : 3,275,112
3,294,208
45 : 3,241,641
3,249,186
3,260,333
.1 : 3,235,046
.1 : 3,236,345
46 : 3,228,498
3,256,966
3,283,863
47 : 3,246,726
48 : 3,239,043
3,249,187
3,251,442
3,252,553
3,270,842
3,279,572
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49 : 3,289,800
51 : 3,269,497
52 : 3,275,113
53 : 3,228,499
3,239,044
3,247,937
3,250,354
3,270,843
3,272,291
3,286,801
54 : 3,255,854
3,273,681
55 : 3,265,172
56 : 3,229,793
3,240,304
3,243,024
3,260,334
3,266,607
3,269,498
3,270,844
3,292,754
58 : 3,227,254
3,228,500
3,236,346
3,241,642
3,245,506
3,250,355
3,259,219
3,259,220
3,259,221
3,262,527
3,262,528
3,263,783
3,268,041
3,272,292
3,272,293
3,291,271
3,292,755
60 : 3,229,794
61 : 3,251,443
3,252,554
3,258,093
3,275,114
66 : 3,241,643
3,272,294
3,294,209
67 : 3,231,057
3,237,736
3,249,188
3,265,173
3,265,174
3,272,295
68 : 3,250,356
68 : 3,259,222
3,276,555
3,277,987
3,283,864
69 : 3,228,501
3,236,347
3,237,737
3,240,305
3,249,189
70 : 3,237,738
71 : 3,236,348
75 : 3,275,115
81 : 3,249,190
3,269,499
3,270,845
83 : 3,262,529
84 : 3,233,710
3,235,047
3,235,048
3,240,306
3,251,444
3,254,746
3,258,094
3,262,530
3,263,784
3,268,042
3,268,043
3,268,044
3,268,045
3,269,500
3,283,865
3,291,272
3,292,756
85 : 3,240,307
3,253,687
3,266,608
3,273,682
3,282,385
3,285,379
3,291,273
87 : 3,228,502
3,239,045
3,243,025
3,243,026
3,245,507
3,253,688
3,262,531
3,265,175
.11: 3,279,573
89 : 3,235,049
3,237,739
3,262,532
92 : 3,252,555
96 : 3,283,866
98 : 3,254,747
3,277,988
3,286,802
99 : 3,236,349
3,254,748
3,261,438
103 : 3,232,399
3,240,308
3,258,095
3,268,046
104 : 3,229,795
3,229,796
105 : 3,246,727
3,247,938
3,250,358
3,251,445
3,255,855
3,262,533
3,282,386
3,283,867
3,291,274
107 : 3,231,058
3,237,740
3,240,309
3,241,644
3,245,508
3,256,967
3,261,439
3,270,846
3,280,949
110 : 3,276,556
111 : 3,243,027
3,250,357
3,286,803
112 : 3,292,757
113 : 3,261,440
3,262,534
3,292,758
116.5 : 3,237,741
125 : 3,236,350
3,245,509
131 : 3,246,728
134 : 3,240,310
3,276,557
136 : 3,272,296
138 : 3,250,359
139 : 3,272,297
141 : 3,262,535
142 : 3,227,255
3,247,939
142 : 3,249,191
143 : 3,280,950
144 : 3,268,047
3,280,951
150 : 3,235,050
3,237,742
3,262,536
3,263,785
3,275,116
3,282,387
3,288,258

Class 193

1 : 3,255,856
3 : 3,291,275
4 : 3,249,192
5 : 3,243,028
7 : 3,251,446
3,280,952
3,286,804
16 : 3,266,609
23 : 3,235,051
3,255,857
25 : 3,250,360
3,258,096
31 : 3,237,743
3,294,210
32 : 3,235,052
3,268,048
33 : 3,233,711
3,261,441
35 : 3,243,029
3,245,510
3,250,361
3,250,362
3,262,537
3,269,501
3,269,502
3,276,558
36 : 3,260,335
3,262,538
3,272,298
37 : 3,245,511
3,252,556
3,255,858
3,258,097
38 : 3,235,053
39 : 3,228,505
43 : 3,244,264
3,260,336
3,261,442
3,263,786

Class 194

1 : Re.26,002
3,229,797
3,237,744
3,239,046
3,243,030
3,263,787
3,266,610
3,269,503
3,269,504
3,270,847
2 : 3,232,400
3,247,940
3,249,193
3,251,447
3,262,539
3,265,176
3,272,299
3,272,300
3,280,953
3,285,380
3 : 3,289,801
4 : 3,227,256
3,249,194
3,251,448
3,254,749
3,256,968
3,258,098
3,258,099
3,273,683
3,282,388
3,283,868
5 : 3,233,712
3,285,381
6 : 3,249,195
9 : 3,235,054
3,239,047
3,241,645
3,253,689
3,279,574
3,286,805
10 : 3,237,745
3,241,646
3,241,647
3,250,363
3,260,337
3,269,505
3,285,382
12 : 3,263,788
13 : 3,249,196
15 : 3,292,759
16 : 3,260,338
32 : 3,269,506
3,277,989
54 : 3,253,690
3,265,177
3,265,178
59 : 3,269,507
61 : 3,227,257
63 : 3,292,760
65 : 3,249,197
72 : 3,262,540
74 : 3,233,713
80 : 3,261,443
84 : 3,261,444
3,269,508
85 : 3,249,198
3,255,859
92 : 3,228,506
3,231,059
3,258,100
3,260,339
3,265,179
3,270,848
94 : 3,250,364
97 : 3,279,575
99 : 3,289,802
103 : 3,266,611

Class 195

2 : 3,248,300
3,248,301
3,254,000
3,274,072
3,274,073
3,278,390
3 : 3,257,289
3,258,406
3,258,407
3,259,549
3,268,412
3,268,413
3,268,414
3,271,266
4 : 3,293,140
28 : 3,232,844
3,235,467
3,238,110
3,242,054
3,243,354
3,249,511
3,258,408
3,265,585
3,267,004
3,268,415
3,268,416
3,269,916
3,269,917
3,272,714
3,275,526
3,276,970
3,276,971
3,280,007
3,287,232
3,291,701
29 : 3,231,478
3,254,001
3,262,861
3,282,794
3,285,827
3,290,225
3,293,141
30 : 3,227,625
3,256,156
3,290,226
31 : 3,228,855
3,249,512
3,251,748
3,251,749
3,264,193
3,265,586
3,268,417
3,271,267
3,280,006
3,281,329
3,291,702
32 : 3,236,740
36 : 3,239,394
3,239,427
3,239,428
3,260,653
3,272,715
3,278,391
3,285,828
3,285,831
3,290,227
47 : 3,254,002
3,255,093
3,282,795
48 : 3,262,862
49 : 3,234,105
3,252,870
50 : 3,236,741
51 : 3,236,742
3,243,355
3,264,194
3,267,005
3,272,716
3,274,074
3,281,330
3,285,629
3,285,829
3,285,830
3,294,646
54 : 3,239,429
62 : 3,234,106
3,235,468
3,256,157
3,267,006
3,293,142
63 : 3,242,055
3,242,056
3,243,356
3,278,392
3,284,316
3,293,143
66 : 3,227,626
3,249,513
3,249,514
3,251,750
3,254,003
3,255,094
3,256,158
3,259,550
3,260,654
3,262,863
3,265,587
3,269,918
3,281,331
3,281,332
3,288,683
68 : 3,272,717
70 : 3,272,718
3,293,144
80 : 3,264,195
3,265,588
3,265,589
3,268,418
3,293,145
81 : 3,230,153
3,276,972
3,282,796
3,294,647
82 : 3,264,196
3,268,419
96 : 3,261,761
3,262,864
100 : 3,278,393
102 : 3,228,856
3,247,078
103.5 : Re.26,125
.5 : 3,245,882
.5 : 3,255,095
.5 : 3,272,719
.5 : 3,275,527
.5 : 3,278,394
.5 : 3,281,333
.5 : 3,293,146
.5 : 3,293,147
104 : 3,275,528
107 : 3,249,515
109 : 3,239,430
127 : 3,290,228
138 : 3,236,743
139 : 3,228,857
3,234,107
3,248,302
142 : 3,274,075
143 : 3,236,744

Class 196

14.5 : 3,243,357
46.1 : 3,249,438
99 : 3,244,600
115 : 3,261,762
132 : 3,250,685
155 : 3,228,858

Class 197

1 : 3,236,351
3,241,648
3,291,276
2 : 3,228,507
3,283,869
6.1 : 3,243,031
.1 : 3,254,750
.2 : 3,253,691
.2 : 3,283,870
.4 : 3,232,401
.4 : 3,277,990
.4 : 3,277,991
.6 : 3,227,258
.6 : 3,236,352
.6 : 3,263,789
6.6 : 3,282,389
.7 : 3,239,048
.7 : 3,255,860
.7 : 3,263,790
.7 : 3,263,791
.7 : 3,272,301
.7 : 3,276,559
.7 : 3,277,992
.7 : 3,280,954
.7 : 3,280,955
.7 : 3,288,259
.7 : 3,289,803
7 : 3,289,804
15 : 3,270,849
16 : 3,239,049
3,286,806
17 : 3,228,508
3,229,798
3,232,402
3,233,714
3,237,746
3,250,365
3,250,366
3,259,223
3,268,049
3,286,807
3,294,117
18 : 3,276,560
3,289,805
19 : 3,232,403
3,233,715
3,241,649
3,249,199
3,250,367
3,260,340
3,260,341
3,269,509
3,270,850
3,273,684
3,289,806
20 : 3,228,509
3,261,445
3,283,871
3,291,277
36 : 3,263,792
42 : 3,280,956
48 : 3,294,211
49 : 3,227,259
3,228,510
3,232,404
3,256,969
3,279,576
50 : 3,272,302
53 : 3,269,510
55 : 3,247,941
64 : 3,288,260
65 : 3,260,342
3,268,050
3,268,051
3,276,561
69 : 3,245,512
70 : 3,283,872
71 : 3,283,873
3,288,261
74 : 3,228,511
82 : 3,258,101
3,260,343
3,292,761
84 : 3,232,405
3,270,851
3,273,685
3,288,262
91 : 3,270,852
94 : 3,269,511
3,288,263
97 : 3,229,799
98 : 3,270,853
100 : 3,235,055
101 : 3,229,800
114 : 3,247,942
3,272,303
3,280,957
3,292,762
120 : 3,247,943
3,263,793
123 : 3,250,368
126 : 3,283,874
127 : 3,244,265
3,247,944
3,247,945
3,252,557
3,266,612
3,276,562
133 : 3,236,353
3,283,875
3,288,264
3,294,212
138 : 3,282,390
151 : 3,239,050
3,260,344
3,272,304
157 : 3,233,716
159 : 3,237,747
3,272,305

168 : 3,283,876
170 : 3,265,180
171 : 3,232,406
172 : 3,231,060
3,261,446
3,273,686
3,286,808
175 : 3,246,729
3,285,383
176 : 3,279,577
179 : 3,294,213
180 : 3,232,407
3,273,687
181 : 3,237,748
187 : 3,270,854
3,272,306
3,285,384
3,292,763
193 : 3,239,051

Class 198

1 : 3,236,354
3,252,558
3,253,692
3,258,102
3,272,307
6 : 3,279,578
7 : 3,232,408
3,254,751
3,268,052
3,275,117
3,283,877
9 : 3,251,449
3,260,345
3,268,053
3,277,993
3,285,385
16 : 3,233,717
3,247,947
3,283,878
19 : 3,229,801
3,235,056
3,241,650
3,247,030
3,247,948
3,250,369
3,255,861
3,255,862
3,256,970
3,259,224
3,262,541
3,270,855
3,272,308
3,275,118
3,282,391
20 : 3,229,802
3,232,409
3,235,057
3,239,052
3,239,053
3,247,949
3,250,370
3,252,559
3,265,181
3,265,182
3,265,183
3,268,054
3,273,688
3,280,958
3,283,879
3,291,278
3,291,279
21 : 3,232,410
3,239,054
3,250,371
3,258,103
3,268,055
3,280,959
3,283,880
22 : 3,231,061
24 : 3,233,718
3,249,200
3,249,201
3,253,693
3,273,689
3,282,392
3,283,881
3,291,280
25 : 3,227,260
3,272,309
3,273,690
3,282,393
3,289,807
26 : 3,229,803
3,252,560
3,268,056
27 : 3,251,450
28 : 3,276,563
30 : 3,228,512
3,228,513
3,232,411
3,236,355
3,237,749
30 : 3,240,314
3,250,372
3,252,561
3,256,971
3,259,225
3,276,564
3,288,265
3,292,765
31 : 3,233,719
3,235,058
3,236,356
3,241,651
3,244,266
3,254,752
3,255,863
3,258,104
3,260,346
3,270,856
3,277,994
3,277,995
3,279,579
3,285,386
3,286,812
32 : 3,244,267
3,262,542
3,279,580
3,279,581
3,280,960
3,286,809
33 : 3,229,804
3,232,412
3,232,413
3,235,059
3,235,060
3,236,357
3,237,750
3,241,652
3,245,513
3,245,514
3,249,202
3,249,203
3,250,373
3,250,374
3,251,451
3,253,694
3,254,753
3,255,864
3,258,105
3,258,106
3,259,226
3,260,347
3,260,348
3,262,543
3,262,544
3,265,184
3,265,185
3,266,613
3,268,057
3,269,512
3,269,513
3,269,514
3,269,515
3,269,516
3,272,310
3,272,311
3,275,119
3,275,120
3,275,121
3,275,122
3,276,565
3,276,566
3,277,996
3,277,997
3,277,998
3,279,582
3,282,394
3,282,395
3,282,396
3,282,397
3,285,387
3,285,388
3,286,810
3,286,813
3,288,266
3,288,267
3,288,268
3,289,808
3,292,766
34 : 3,231,062
3,231,063
3,232,414
3,232,415
3,237,751
3,240,311
3,244,268
3,250,375
3,251,452
3,261,447
3,263,794
3,266,614
3,266,615
3,272,312
3,273,691
3,273,692
34 : 3,285,389
3,286,814
3,286,815
3,289,809
3,289,810
3,292,767
3,292,768
35 : 3,250,376
3,263,795
3,282,398
3,282,399
3,288,269
3,289,811
37 : 3,236,358
3,239,055
38 : 3,233,720
3,250,377
3,260,349
3,275,123
3,279,583
3,282,400
3,286,811
39 : 3,249,204
40 : 3,282,401
41 : 3,229,805
3,261,448
3,263,796
3,272,313
43 : 3,232,416
45 : 3,289,812
54 : 3,229,806
56 : 3,240,312
57 : 3,241,653
64 : 3,227,261
3,240,313
3,245,515
3,245,516
3,251,453
3,251,454
3,252,562
3,253,695
3,256,972
3,258,107
3,269,517
3,270,857
3,270,858
3,291,281
66 : 3,276,567
3,291,282
76 : 3,280,961
79 : 3,254,754
3,265,186
82 : 3,252,563
84 : 3,243,032
85 : 3,240,315
3,240,316
3,266,616
89 : 3,279,584
3,294,214
91 : 3,254,755
92 : 3,231,064
3,268,058
95 : 3,228,514
102 : 3,253,696
103 : 3,285,390
3,288,270
104 : 3,228,515
106 : 3,243,033
107 : 3,261,449
3,265,187
109 : 3,291,283
110 : 3,270,859
3,276,568
3,292,769
3,294,215
117 : 3,240,317
126 : 3,241,654
3,246,730
3,258,108
127 : 3,247,950
3,253,697
3,255,865
3,263,797
3,266,617
3,266,618
3,268,059
3,269,519
3,273,693
3,275,124
3,279,585
3,285,391
3,289,813
128 : 3,227,262
3,235,061
3,277,999
3,285,392
3,291,284
129 : 3,237,753
3,273,694
131 : 3,231,065
3,236,359
3,288,271
3,292,770
134 : 3,276,569
134 : 3,289,814
136 : 3,260,350
138 : 3,260,351
139 : 3,228,516
3,251,455
3,261,450
3,268,060
3,282,403
3,288,272
3,289,815
3,289,816
3,294,216
140 : 3,247,951
3,260,352
145 : 3,233,721
146 : 3,265,188
149 : 3,265,189
3,286,816
153 : 3,268,061
154 : 3,243,034
3,250,378
3,255,866
3,258,109
3,285,394
155 : 3,231,066
3,265,190
3,269,520
156 : 3,260,353
158 : 3,269,521
159 : 3,272,314
160 : 3,249,205
3,269,522
161 : 3,227,263
3,291,285
162 : 3,258,110
164 : 3,240,318
165 : 3,262,545
167 : 3,282,404
168 : 3,250,379
3,266,619
3,282,405
3,294,217
170 : 3,249,206
171 : 3,239,056
3,256,973
3,265,191
172 : 3,262,546
173 : 3,247,952
3,262,547
3,262,548
174 : 3,282,406
175 : 3,282,407
176 : 3,246,731
3,269,523
177 : 3,231,067
3,244,269
3,249,207
3,266,620
3,266,621
3,268,062
178 : 3,262,549
179 : 3,246,732
3,263,798
3,270,860
3,286,817
180 : 3,269,524
182 : 3,237,754
3,265,193
183 : 3,237,755
3,270,861
184 : 3,253,698
3,260,354
3,289,817
185 : 3,231,068
3,232,417
3,240,319
3,246,733
3,260,355
3,291,286
188 : 3,236,360
3,236,361
3,236,362
189 : 3,231,069
3,246,734
3,262,550
3,268,063
3,269,525
3,269,526
3,270,862
3,278,000
3,279,586
3,282,402
3,285,395
190 : 3,279,587
3,283,882
3,289,818
3,291,287
192 : 3,240,320
3,241,655
3,259,227
3,273,695
3,285,393
3,292,771
3,294,218
193 : 3,246,735
3,261,451
3,263,799
3,268,064
3,276,570
3,291,288
194 : 3,279,588
195 : 3,231,070
3,237,756
3,245,517
3,253,699
3,259,228
3,288,273
196 : 3,233,722
3,243,035
3,249,208
198 : 3,237,757
3,245,518
202 : 3,240,321
3,245,519
3,246,736
3,269,518
3,273,696
3,273,697
3,278,002
203 : 3,249,209
3,268,065
3,268,066
3,270,863
204 : 3,231,071
3,236,363
3,262,551
3,265,192
3,265,194
3,272,315
3,280,962
3,286,818
3,292,772
3,292,773
205 : 3,275,125
208 : 3,252,564
3,261,452
3,275,126
209 : 3,241,656
3,283,883
210 : 3,237,758
3,243,036
3,262,552
211 : 3,237,759
3,279,589
3,282,408
212 : 3,261,453
213 : 3,231,072
3,232,418
3,236,364
3,241,657
3,244,270
3,249,210
3,263,800
3,263,801
3,268,067
3,269,527
3,272,316
3,272,317
3,278,001
3,280,963
3,289,819
3,294,219
215 : 3,279,592
217 : 3,227,264
3,232,419
3,244,271
3,251,456
3,276,571
218 : 3,265,195
219 : 3,270,864
3,289,820
220 : 3,228,517
3,240,322
3,246,737
3,250,380
3,251,457
3,253,700
3,253,701
3,258,111
3,258,112
3,263,802
3,265,196
3,273,698
3,280,964
3,286,819
3,291,289
3,292,774
3,292,775
221 : 3,255,867
3,288,274
3,289,821
224 : 3,240,323
3,266,622
229 : 3,229,807
3,229,808
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Class 199

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62 : 3,273,699

Class 200

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Class 200—Con.

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149 : 3,235,696
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150 : 3,233,069
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151 : 3,257,534
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152 : 3,230,333
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153 : 3,227,847
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3,264,441
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3,275,780
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3,290,470
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155 : 3,259,727
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157 : 3,244,846
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158 : 3,265,846
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3,249,727
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160 : 3,257,536
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161 : 3,247,350
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162 : 3,240,911
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163 : 3,272,947
164 : 3,230,334
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165 : 3,293,398
166 : 3,230,335
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3,291,952
3,293,399
3,294,943
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167 : 3,231,706
3,238,343
3,246,110
167 : 3,246,111
3,247,352
3,250,887
3,253,111
3,260,830
3,265,847
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168 : 3,236,989
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3,267,247
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3,283,111
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3,287,534
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3,290,474
3,290,475
169 : 3,251,972
3,288,973
170 : 3,235,699
3,254,190
3,263,051
3,268,702
3,271,549
3,288,974
172 : 3,233,071
3,239,641
3,242,298
3,243,565
3,254,191
3,261,958
3,264,443
3,264,444
3,265,849
3,267,248
3,271,550
3,272,953
3,278,716
3,281,565
3,286,071
3,288,975
3,291,953
819 : 3,239,625
859 : 3,272,890

Class 201

5 : 3,272,720
6 : 3,258,409
7 : 3,232,845
8 : 3,248,303
12 : 3,251,751
17 : 3,252,871
3,284,317
20 : 3,271,268
27 : 3,227,627
31 : 3,236,745
36 : 3,272,721

Class 202

57 : 3,239,433
83 : 3,278,395
141 : 3,252,872
3,261,763
142 : 3,250,686
158 : 3,240,682
3,249,516
3,293,149
159 : 3,249,517
160 : 3,239,432
3,248,304
3,249,518
40 : 3,230,154
3,259,554
3,280,009
43.5 : 3,248,308
48 : 3,269,923
49 : 3,287,234
51 : 3,232,849
3,272,723
53 : 3,230,157
54 : 3,235,471
55 : 3,287,235
58 : 3,227,632
173 : 3,243,358
3,257,290
3,269,920
3,271,271
3,281,334
174 : 3,243,359
3,275,530
63 : 3,259,555
64 : 3,281,336
65 : 3,239,434
68 : 3,239,435
76 : 3,245,884
80 : 3,281,337
81 : 3,272,724
82 : 3,282,802
84 : 3,264,197
3,265,594
89 : 3,260,655
95 : 3,280,010
98 : 3,230,158

Class 204

190 : 3,278,396
197 : 3,251,752
1 : 3,232,851
3,234,562
3,244,602
205 : 3,227,630
3,250,687
234 : 3,257,291
3,290,230
236 : 3,244,601
3,271,272
3,282,797
3,282,798
3,291,704
256 : 3,243,360
267 : 3,247,079
3,259,551
389 : 3,284,319

Class 203

2 : 3,228,860
3,235,469
3,238,111
3,249,519
3,268,420
3,269,921
3,272,722
3,282,799
3,294,648
3 : 3,227,631
3,257,292
3,259,552
3,269,922
6 : 3,278,397
3,282,800
7 : 3,245,883
3,261,765
3,262,865
8 : 3,274,077
3,275,531
10 : 3,290,231
3,294,649
11 : 3,232,847
3,234,109
3,235,470
3,236,747
3,236,748
3,248,307
3,261,766
3,275,532
3,285,833
3,288,685
3,288,686
3,293,153
12 : 3,271,273
14 : 3,259,553
18 : 3,293,154
21 : 3,265,590
22 : 3,294,650
25 : 3,285,834
26 : 3,230,155
33 : 3,265,591
35 : 3,232,848
3,278,398
3,288,687
37 : 3,230,156
3,265,592
3,276,973
38 : 3,251,753
39 : 3,258,410
3,281,335
3,294,651
40 : 3,230,154
3,259,554
3,280,009
43.5 : 3,248,308
48 : 3,269,923
49 : 3,287,234
51 : 3,232,849
3,290,232
53 : 3,230,157
54 : 3,235,471
55 : 3,287,235
58 : 3,227,632
58 : 3,232,850
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76 : 3,245,884
80 : 3,281,337
81 : 3,272,724
82 : 3,282,802
84 : 3,264,197
3,265,594
89 : 3,260,655
95 : 3,280,010
98 : 3,230,158

Class 204

190 : 3,278,396
197 : 3,251,752
1 : 3,232,851
3,234,562
3,244,602
205 : 3,227,630
3,250,687
234 : 3,257,291
3,290,230
236 : 3,244,601
3,271,272
3,282,797
3,282,798
3,291,704
256 : 3,243,360
267 : 3,247,079
3,259,551
389 : 3,284,319

Class 203

2 : 3,228,860
3,235,469
3,238,111
3,249,519
3,268,420
3,269,921
.5 : 3,272,722
.5 : 3,282,799
.5 : 3,294,648
3 : 3,227,631
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3,259,552
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6 : 3,278,397
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7 : 3,245,883
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8 : 3,274,077
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10 : 3,290,231
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11 : 3,232,847
3,234,109
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3,236,748
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3,275,532
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3,293,153
12 : 3,271,273
14 : 3,259,553
18 : 3,293,154
21 : 3,265,590
22 : 3,294,650
25 : 3,285,834
26 : 3,230,155
33 : 3,265,591
35 : 3,232,848
3,278,398
3,288,687
37 : 3,230,156
3,265,592
3,276,973
38 : 3,251,753
39 : 3,258,410
3,281,335
3,294,651
40 : 3,230,154
3,259,554
3,280,009
43.5 : 3,248,308
48 : 3,269,923
49 : 3,287,234
51 : 3,232,849
3,290,232
53 : 3,230,157
54 : 3,235,471
55 : 3,287,235
58 : 3,227,632
37 : 3,285,838
38 : 3,227,636
3,227,637
3,231,479
3,234,110
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3,254,006
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3,264,199
3,276,975
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3,284,324
3,290,233
3,294,654
39 : 3,232,853
3,236,751
3,236,752
3,268,421
3,268,422
40 : 3,268,423
41 : 3,247,082
3,268,424
3,282,810
43 : 3,239,437
3,244,603
3,265,596
3,267,009
3,271,274
3,271,275
3,271,276
3,274,079
3,276,976
44 : 3,276,977
45 : 3,238,112
3,245,886
3,256,160
3,257,294
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46 : 3,293,157
47 : 3,285,839
3,290,234
49 : 3,245,887
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3,261,772
3,264,200
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50 : 3,227,638
3,294,655
51 : 3,232,854
3,247,083
3,248,310
3,282,812
52 : 3,239,439
3,267,010
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3,288,690
54 : 3,230,159
55 : 3,274,080
3,285,840
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56 : 3,234,111
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3,264,201
3,275,536
3,278,401
3,288,691
3,293,158
58 : 3,227,639
3,243,362
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3,252,875
3,265,597
3,275,537
3,276,980
3,280,013
59 : 3,234,112
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60 : 3,274,082
61 : 3,293,159
63 : 3,235,474
64 : 3,254,010
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3,271,277
3,274,083
65 : 3,278,402
67 : 3,236,753
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68 : 3,234,113
3,234,114
3,234,115
3,248,311
3,257,297

Class 204—Con.

69 : 3,284,325
72 : 3,271,278
3,274,084
73 : 3,245,889
3,249,521
3,250,690
3,280,014
74 : 3,267,011
77 : 3,227,640
78 : 3,252,878
3,257,298
79 : 3,245,890
80 : 3,234,116
3,247,084
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3,248,312
3,288,692
81 : 3,236,754
82 : 3,293,160
86 : 3,236,755
90 : 3,269,926
91 : 3,278,403
92 : 3,249,522
94 : 3,240,687
96 : 3,256,162
98 : 3,236,756
3,242,059
3,250,691
3,262,868
99 : 3,293,161
101 : 3,251,755
3,251,756
3,256,163
3,262,869
3,276,981
3,280,015
3,294,657
104 : 3,252,879
105 : 3,259,560
3,268,426
108 : 3,262,870
3,271,279
109 : 3,260,658
115 : 3,285,841
125 : 3,268,427
128 : 3,267,012
3,291,708
129 : 3,256,164
130 : 3,242,060
3,250,692
3,291,709
131 : 3,269,927
140 : 3,247,086
3,287,237
.5 : 3,232,855
.5 : 3,254,011
.5 : 3,272,729
.5 : 3,287,238
.5 : 3,293,162
141 : 3,239,440
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142 : 3,268,428
3,271,280
143 : 3,228,862
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145 : 3,265,600
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146 : 3,260,659
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147 : 3,231,480
147 : 3,251,758
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148 : 3,240,688
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149 : 3,236,757
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153 : 3,244,605
154 : 3,231,481
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156 : 3,240,689
157.1 : 3,265,602
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158 : Re.25,986
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159.14: 3,264,202
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.2 : 3,258,412
.22: 3,269,930
.22: 3,278,405
.22: 3,294,658
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163 : 3,228,864
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164 : 3,231,484
3,243,363
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165 : 3,256,168
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168 : 3,227,642
3,245,896
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169 : 3,240,691
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173 : 3,288,696
177 : 3,256,169
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180 : 3,231,485
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180 : 3,282,834
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181 : 3,230,162
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3,290,235
184 : 3,282,813
188 : 3,264,204
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192 : 3,235,476
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3,271,286
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3,282,815
3,282,816
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3,294,661
193 : 3,288,697
195 : 3,227,643
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3,244,607
3,244,608
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3,258,415
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3,282,818
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196 : 3,239,443
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197 : 3,227,644
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3,232,857
198 : 3,276,983
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201 : 3,282,819
203 : 3,276,985
206 : 3,245,897
210 : 3,267,017
3,271,287
212 : 3,271,288
213 : 3,256,170
3,294,663
219 : 3,244,609
3,271,289
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222 : 3,252,881
3,271,290
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224 : 3,238,114
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3,267,018
3,268,434
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225 : 3,235,478
3,245,898
3,256,171
227 : 3,294,665
228 : 3,254,014
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231 : 3,257,307
242 : 3,261,773
243 : 3,235,479
3,256,173
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245 : 3,245,899
245 : 3,265,606
246 : 3,282,822
247 : 3,243,364
248 : 3,256,504
256 : 3,236,760
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260 : 3,287,248
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263 : 3,271,292
3,287,250
266 : 3,262,871
270 : 3,269,932
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272 : 3,262,872
3,282,823
275 : 3,274,094
279 : 3,244,610
3,252,883
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280 : 3,258,416
281 : 3,230,163
284 : 3,251,762
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285 : 3,278,410
286 : 3,251,763
289 : 3,244,611
290 : 3,243,365
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291 : 3,232,858
292 : 3,284,333
294 : 3,244,612
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296 : 3,276,989
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297 : 3,244,613
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299 : 3,247,091
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300 : 3,238,115
301 : 3,228,867
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3,294,671
302 : 3,252,884
3,252,885
305 : 3,250,695
306 : 3,232,860
309 : 3,228,868

Class 206

.4 : 3,260,356
.4 : 3,286,820
.81: 3,245,522
.82: 3,229,809
.82: 3,241,659
.82: 3,244,272
.82: 3,292,779
.83: 3,245,523
.83: 3,258,113
.83: 3,285,397
.84: 3,231,074
1 : 3,235,062
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.7 : 3,273,700
.7 : 3,280,966
.8 : 3,278,007
2 : 3,272,318
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4 : 3,266,623
5 : 3,253,702
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7 : 3,252,565
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8 : 3,246,738
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9 : 3,256,974
12 : 3,272,319
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.1 : 3,263,803
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.5 : 3,235,063
.5 : 3,282,409
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.5 : 3,250,382
.5 : 3,278,008
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29 : 3,233,724
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36 : 3,278,009
37 : 3,280,967
38 : 3,263,804
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39 : 3,286,823
41 : 3,236,373
3,272,320
.2 : 3,245,525
.2 : 3,249,212
.2 : 3,272,321
.2 : 3,279,593
42 : 3,251,459
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84 : 3,249,218
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Class 208

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135 : 3,269,937
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165 : 3,238,121
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370 : 3,234,122

Class 209

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156 : 3,233,731
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329 : 3,254,767
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457 : 3,236,382
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Class 210

2 : 3,227,648
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5 : 3,261,779
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6 : 3,235,487
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20 : 3,238,125
21 : 3,227,649
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31 : 3,230,167
32 : 3,255,106
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33 : 3,235,488
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35 : Re.25,979

Class 210—Con.

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37 : 3,232,867
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38 : 3,234,124
39 : 3,265,616
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121 : 3,244,284
122 : 3,243,044
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134 : 3,286,840
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146 : 3,250,393
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179 : 3,245,538
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184 : 3,249,228
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187 : 3,255,887
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198 : 3,240,340
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199 : 3,243,046
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225 : 3,270,887
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261 : 3,249,230
262 : 3,285,420
263 : 3,250,395
264 : 3,282,432
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274 : 3,261,472
275 : 3,286,842
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291 : 3,245,540
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297 : 3,260,369
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298 : 3,232,436
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316 : 3,269,543
319 : 3,276,592
321 : Re.26,097
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322 : 3,272,341
323 : 3,237,775
327 : 3,270,888
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330 : 3,255,888
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331 : 3,250,396
332 : 3,251,473
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333 : 3,228,528
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335 : 3,231,091
340 : 3,240,344
345 : 3,291,312
347 : 3,294,242
349 : 3,246,765
350 : 3,276,594
354 : 3,291,313
363 : 3,252,579
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364 : 3,268,082
3,269,544
3,275,152
366 : 3,263,814
367 : 3,233,735
369 : 3,247,972
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3,282,433
370 : 3,256,993
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374 : 3,245,542
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375 : 3,279,612
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376 : 3,268,083
377 : 3,269,546
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386 : 3,263,816
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387 : 3,244,287
388 : 3,263,817
391 : 3,289,848
393 : 3,262,574
394 : 3,266,630
395 : 3,262,575
396 : 3,258,125
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401 : 3,262,576
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402 : 3,294,243
403 : 3,278,039
411 : 3,256,995
415 : 3,235,087
3,275,156
416 : 3,263,818
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418 : 3,251,474
434 : 3,233,737
435 : 3,240,345
436 : 3,239,064
438 : 3,227,280
440 : 3,232,437
3,272,342
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444 : 3,241,679
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446 : 3,240,346
448 : 3,239,065
450 : 3,292,792
456 : 3,291,314
457 : 3,228,529
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458 : 3,233,738
459 : 3,240,347
469 : 3,240,348
3,269,545
3,289,849
470 : 3,289,850
472 : 3,276,596
477 : 3,231,093
477 : 3,236,385
485 : 3,235,088
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486 : 3,263,819
487 : 3,231,094
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494 : 3,256,997
497 : 3,233,739
499 : 3,227,281
500 : 3,233,740
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523 : 3,286,844
526 : 3,233,742
528 : 3,241,682
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3,245,544
532 : 3,228,531
3,236,386
3,239,068
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533 : 3,260,371
534 : 3,232,438
542 : 3,266,631

Class 211

1 : 3,272,344
.3 : 3,285,423
.5 : 3,245,545
.5 : 3,252,581
4 : 3,289,851
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3,292,793
10 : 3,231,095
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11 : 3,231,096
3,269,547
13 : 3,260,372
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3,291,318
17 : 3,268,086
26 : 3,228,532
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27 : 3,279,617
34 : 3,286,845
3,292,794
35 : 3,249,231
40 : 3,227,282
3,258,126
3,275,158
41 : 3,232,440
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3,258,127
3,266,632
3,269,548
3,282,437
3,288,301
3,288,302
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3,294,244
42 : 3,236,387
3,294,245
43 : 3,235,092
3,241,683
44 : 3,272,345
45 : 3,262,579
46 : 3,283,912
47 : 3,235,093
49 : 3,275,159
3,279,618
3,282,438
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50 : 3,269,549
51 : 3,288,303
55 : 3,285,424
57 : 3,251,476
3,265,216
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58 : 3,270,890
59 : 3,229,819
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3,270,891
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60 : 3,229,820
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3,278,042
3,285,426
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64 : 3,288,304
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65 : 3,233,743
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69 : 3,227,283
71 : 3,227,284
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74 : 3,243,048
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75 : 3,259,249
78 : 3,283,913
86 : 3,233,744
3,237,778
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87 : 3,269,550
3,275,161
3,279,620
88 : 3,269,551
90 : 3,265,217
94 : 3,273,719
96 : 3,294,248
103 : 3,269,552
104 : 3,233,745
105.1 : 3,239,070
.1 : 3,241,684
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113 : 3,235,095
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119 : 3,252,583
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.15: 3,239,071
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133 : 3,232,442
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134 : 3,229,822
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148 : 3,229,823
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148 : 3,285,428
3,285,444
149 : 3,235,096
151 : 3,269,557
153 : 3,227,285
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163 : 3,255,890
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169 : 3,251,477
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177 : 3,228,533
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178 : 3,246,768
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182 : 3,229,824
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184 : 3,269,558
3,285,429

Class 212

2 : 3,270,893
3 : 3,227,286
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10 : 3,294,252
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13 : 3,236,392
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14 : 3,254,775
15 : 3,249,236
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21 : 3,250,399
26 : 3,237,780
29 : 3,266,637
35 : 3,253,716
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3,261,476
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38 : 3,285,445
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39 : 3,256,998
3,265,220
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46 : 3,250,400
49 : 3,237,781
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58 : 3,228,535
59 : 3,244,292
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64 : 3,245,551
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66 : 3,236,394
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67 : 3,289,855
68 : 3,258,130
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70 : 3,247,976
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71 : 3,270,895
76 : 3,275,162
84 : 3,266,639

86 : 3,233,746
89 : 3,249,237
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125 : 3,239,072
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129 : 3,241,686
131 : 3,244,293
132 : 3,262,581
134 : 3,261,477
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145 : 3,227,287
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Class 213

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.6 : 3,249,239
.6 : 3,263,823
7 : 3,233,747
8 : 3,232,443
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9 : 3,247,977
15 : 3,283,916
19 : 3,233,748
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21 : 3,239,073
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22 : 3,227,288
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33 : 3,255,892
43 : 3,237,783
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3,259,252
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46 : 3,245,552
62 : 3,250,403
76 : 3,280,990
100 : 3,258,132
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112 : 3,251,482
159 : 3,289,856
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211 : 3,239,074
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212 : 3,245,553
219 : 3,227,289
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220 : 3,253,718
221 : 3,258,134
3,294,254

Class 214

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390 : 3,255,906
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3,273,731
3,292,801
392 : 3,251,496
3,280,998
394 : 3,237,798
3,262,590
396 : 3,231,119
3,272,362
450 : 3,229,838
3,282,455
3,294,267
500 : 3,233,765
501 : 3,254,781
3,265,232
503 : 3,228,545
3,259,261
505 : 3,228,546
3,231,120
3,233,766
3,272,363
506 : 3,228,547
3,246,781
3,246,782
3,285,447
3,288,315
3,292,802
3,292,803
508 : 3,247,990
3,263,844
509 : 3,241,696
510 : 3,232,463
512 : 3,232,464
3,233,767
3,285,448
3,292,804
515 : 3,231,121
3,251,497
3,257,019
3,261,488
3,262,592
3,269,574
3,279,636
3,285,449
3,289,868
3,292,805
516 : 3,252,608
3,263,845
3,283,932
517 : 3,229,839
3,262,591
518 : 3,263,846
3,273,732
519 : 3,235,107
3,254,782
3,273,733
3,275,176
3,278,062
3,282,456
3,286,862
3,292,806
521 : 3,273,734
522 : 3,273,735
620 : 3,258,145
3,258,146
3,261,489
3,283,933
621 : 3,247,991
650 : 3,254,783
3,260,391
3,275,177
3,276,611

Class 214—Con.

651 : 3,262,593
3,266,650
652 : 3,252,609
3,260,392
3,262,994
653 : 3,227,299
3,245,562
3,262,595
654 : 3,235,108
3,272,364
656 : 3,239,087
3,286,863
660 : 3,240,372
670 : 3,289,869
671 : 3,272,365
672 : 3,289,870
674 : 3,227,300
3,235,109
3,235,110
3,289,871
701 : 3,289,872
730 : 3,232,465
3,233,768
3,239,088
3,241,697
3,241,698
3,289,873
771 : 3,288,316
778 : 3,279,637

Class 215

1 : 3,235,111
3,249,246
3,263,847
3,288,317
3,291,331
2 : 3,229,840
3,272,366
6 : 3,239,089
7 : 3,235,112
3,288,318
3,292,807
9 : 3,233,769
3,245,563
3,245,564
3,260,393
3,261,490
3,265,233
3,266,651
3,276,612
10 : 3,243,068
11 : 3,232,466
3,232,467
3,235,113
3,243,069
3,244,305
3,253,726
3,263,848
3,286,864
3,289,874
3,292,808
3,292,809
3,294,268
12 : 3,241,209
13 : 3,227,301
3,232,468
3,245,565
3,250,416
3,258,147
3,261,491
3,283,934
3,285,450
3,286,865
22 : 3,263,849
31 : 3,229,841
37 : 3,254,784
3,260,394
38 : 3,232,469
3,243,070
3,272,367
3,278,063
39 : 3,229,842
3,251,498
3,257,021
3,280,999
3,283,935
3,288,320
3,291,332
40 : 3,227,302
3,233,770
3,235,114
3,244,306
3,245,566
3,253,727
3,255,907
3,258,148
3,273,736
3,275,178
3,278,064
3,283,936
3,285,451
40 : 3,285,452
3,286,866
3,286,867
3,286,868
41 : 3,231,122
3,231,123
3,233,771
3,247,992
3,247,993
3,247,994
3,250,417
3,254,785
3,266,652
3,269,575
3,272,368
3,281,000
42 : 3,227,303
3,235,115
3,245,567
3,246,783
3,249,247
43 : 3,232,470
3,232,471
3,249,248
3,255,908
3,255,909
3,269,576
3,270,904
3,272,369
46 : 3,244,307
3,245,568
3,246,784
3,246,785
3,249,249
3,250,418
3,257,022
3,258,149
3,260,395
3,269,577
3,273,737
3,276,613
3,281,001
47 : 3,251,499
3,282,457
48 : 3,245,569
52 : 3,235,116
3,239,090
3,244,308
3,244,309
3,281,002
56 : 3,239,091
3,243,071
3,263,850
73 : 3,247,995
3,253,728
74 : 3,255,910
3,263,851
77 : 3,285,453
84 : 3,253,729
91 : 3,236,402
98 : 3,240,373
99 : 3,235,117
100 : 3,241,699
3,249,250
3,259,262
3,262,596
3,272,370
3,285,454
.5 : 3,246,786
.5 : 3,279,638
.5 : 3,285,455
.5 : 3,285,456

Class 217

12 : 3,246,787
3,261,492
3,262,597
3,273,738
3,286,869
3,288,319
3,294,269
21 : 3,294,270
26 : 3,245,570
.5 : 3,272,371
.5 : 3,281,003
.5 : 3,282,458
42 : 3,255,911
43 : 3,260,396
3,281,004
52 : 3,231,124
53 : 3,262,598
56 : 3,240,374
57 : 3,233,772
60 : 3,240,375
65 : 3,235,118
3,261,493

Class 219

7.5 : 3,240,912
.5 : 3,251,974
8.5 : 3,230,336
.5 : 3,236,992
8.5 : 3,242,299
.5 : 3,242,300
.5 : 3,242,301
.5 : 3,248,512
.5 : 3,253,112
.5 : 3,270,176
.5 : 3,294,928
9.5 : 3,227,848
.5 : 3,230,337
.5 : 3,231,707
.5 : 3,257,538
.5 : 3,258,573
.5 : 3,268,703
.5 : 3,283,112
10.41 : 3,244,850
.41 : 3,271,551
.43 : 3,272,954
.47 : 3,239,642
.49 : 3,238,345
.49 : 3,277,265
.49 : 3,294,946
.53 : 3,238,346
.53 : 3,272,955
.53 : 3,274,370
.53 : 3,281,566
.55 : 3,235,701
.55 : 3,235,702
.55 : 3,239,643
.55 : 3,242,303
.55 : 3,242,304
.55 : 3,249,731
.55 : 3,258,574
.55 : 3,260,832
.55 : 3,261,959
.55 : 3,263,052
.55 : 3,265,850
.55 : 3,271,552
.55 : 3,281,567
.55 : 3,281,568
.55 : 3,283,113
.57 : 3,247,353
.57 : 3,251,975
.59 : 3,236,993
.61 : 3,231,708
.61 : 3,268,704
.61 : 3,272,956
.61 : 3,294,947
.69 : 3,251,976
.69 : 3,256,416
.69 : 3,272,957
.69 : 3,290,476
.69 : 3,291,954
.77 : 3,242,302
.77 : 3,265,851
.77 : 3,270,177
.79 : 3,256,417
.79 : 3,275,784
56 : 3,250,888
3,260,833
3,275,785
3,280,293
3,286,072
3,288,976
59 : 3,244,851
3,263,053
3,283,114
60 : 3,238,347
3,240,913
3,243,566
3,256,418
3,261,960
3,263,054
3,275,786
3,283,115
61 : 3,227,849
62 : 3,287,536
67 : 3,234,352
68 : 3,259,729
69 : Re.26,043
Re.26,090
3,236,994
3,240,914
3,243,567
3,244,852
3,246,113
3,259,730
3,275,787
3,275,788
3,283,116
3,287,537
72 : 3,257,539
3,275,789
73 : 3,243,568
3,258,575
3,260,834
3,291,955
3,293,400
74 : 3,243,569
3,253,113
3,270,178
3,270,179
3,280,294
75 : 3,238,348
3,238,349
75 : 3,238,350
3,242,305
3,250,889
3,251,977
3,261,961
3,263,055
3,263,056
3,272,958
3,272,959
76 : 3,231,709
3,235,700
3,246,114
3,248,513
3,254,192
3,264,445
3,268,705
3,271,553
3,271,554
3,277,266
3,277,267
3,280,295
3,283,117
78 : 3,236,995
3,263,057
3,275,790
3,290,477
3,294,948
79 : 3,251,978
3,283,118
3,288,977
3,290,478
80 : 3,239,644
3,257,540
3,265,852
3,278,717
3,288,978
81 : 3,270,180
82 : 3,234,353
3,235,703
3,247,354
3,250,890
3,259,731
3,264,446
3,265,853
3,275,792
3,278,718
83 : 3,256,419
84 : 3,227,850
3,239,645
3,281,569
85 : 3,230,338
3,247,355
3,263,058
3,267,249
3,271,555
3,283,119
3,284,607
3,290,479
3,294,949
86 : 3,234,354
3,236,996
3,238,351
3,270,181
3,284,606
3,291,956
3,291,957
3,287,538
91 : 3,231,710
3,242,306
3,263,059
3,272,960
92 : 3,277,268
93 : 3,233,072
3,233,073
94 : 3,275,793
95 : 3,244,853
3,254,193
3,254,194
96 : 3,254,195
97 : 3,227,851
3,249,732
3,278,719
3,293,401
98 : 3,244,854
3,291,958
3,293,402
99 : 3,242,307
3,253,114
3,253,115
3,254,196
100 : 3,287,539
103 : 3,275,791
3,294,950
104 : 3,288,979
3,293,403
109 : 3,239,646
113 : 3,250,891
117 : 3,258,576
3,265,854
3,294,951
118 : 3,278,720
3,287,540
119 : 3,235,704
3,238,352
121 : 3,230,339
3,243,570
3,244,855
3,246,115
3,250,893
3,265,855
3,267,250
3,271,556
3,283,120
3,291,959
3,294,952
3,294,953
123 : 3,242,308
3,248,514
3,268,706
3,293,404
3,294,954
124 : 3,233,074
3,242,309
3,246,116
3,255,336
125 : 3,230,340
3,230,341
3,267,251
3,268,707
3,268,708
3,271,557
3,272,961
3,275,794
3,275,795
3,288,980
126 : 3,229,068
3,235,705
3,247,356
3,247,357
3,249,733
3,281,570
127 : 3,233,075
3,277,269
130 : 3,227,852
3,230,342
3,230,343
3,236,997
3,239,647
3,239,648
3,242,310
3,242,311
3,243,571
3,248,515
3,248,516
3,249,734
3,253,116
3,253,117
3,261,962
3,263,060
3,264,447
3,265,856
3,268,709
3,275,796
3,281,571
3,283,121
3,284,608
3,286,073
131 : 3,231,711
3,233,076
3,249,735
3,250,894
3,253,118
3,254,197
3,271,558
3,278,721
3,281,572
3,286,074
3,291,960
135 : 3,242,312
3,253,119
3,284,609
136 : 3,290,480
137 : 3,230,344
3,246,117
3,249,736
3,253,120
3,253,121
3,258,577
3,271,559
3,272,962
3,274,371
3,275,797
3,280,296
3,286,075
3,288,981
3,288,982
3,291,961
3,291,962
3,294,955
145 : 3,231,712
146 : 3,272,763
149 : 3,250,892
152 : 3,267,252
155 : 3,267,253
3,277,270
3,290,481
201 : 3,280,297
3,290,482
202 : 3,231,713
202 : 3,231,714
205 : 3,233,077
3,249,737
208 : 3,229,069
3,280,298
210 : 3,243,572
3,264,448
211 : 3,293,405
213 : 3,227,853
3,233,078
3,234,355
3,236,991
3,243,573
3,244,856
3,260,835
214 : 3,233,079
215 : 3,254,198
3,256,420
3,256,421
216 : 3,249,738
217 : 3,246,118
218 : 3,249,739
222 : 3,250,895
3,257,541
3,283,122
227 : 3,235,706
3,264,449
230 : 3,286,076
233 : 3,234,356
240 : 3,247,358
241 : 3,287,541
242 : 3,267,254
243 : 3,253,122
3,271,560
3,291,963
244 : 3,227,854
3,287,542
250 : 3,243,574
251 : 3,286,077
265 : 3,230,345
3,238,353
268 : 3,251,979
3,277,271
270 : 3,235,707
3,238,354
271 : 3,271,561
3,272,964
3,274,372
3,291,964
272 : 3,274,373
273 : 3,234,357
3,243,575
3,258,578
275 : 3,231,715
3,244,857
3,271,562
3,272,965
279 : 3,264,450
3,284,610
3,293,406
282 : 3,280,299
287 : 3,280,300
290 : 3,242,313
301 : 3,293,407
303 : 3,247,359
305 : Re.26,000
306 : 3,286,078
307 : 3,230,346
3,283,123
309 : 3,254,199
3,261,963
310 : 3,239,649
3,286,079
312 : 3,275,798
314 : 3,291,965
320 : 3,280,301
321 : 3,246,119
3,249,740
326 : 3,281,573
331 : 3,265,857
341 : 3,277,272
3,281,574
3,293,408
342 : 3,275,799
343 : 3,240,915
3,263,061
3,278,722
345 : 3,244,858
3,246,120
3,265,858
3,277,273
347 : 3,242,314
3,246,121
3,283,124
3,294,955
348 : 3,244,859
352 : 3,257,542
356 : 3,242,315
358 : 3,235,708
362 : 3,277,274
365 : 3,253,123
3,254,200
3,260,836
3,261,964
365 : 3,277,275
3,283,125
367 : 3,265,859
3,275,800
370 : 3,267,255
3,272,966
3,280,302
3,284,611
371 : 3,291,966
374 : 3,239,650
3,244,860
377 : 3,229,070
378 : 3,293,409
382 : 3,270,182
384 : 3,227,855
3,265,860
386 : 3,243,576
388 : 3,239,651
3,249,741
3,283,126
392 : 3,257,543
3,291,967
393 : 3,286,080
3,290,483
3,293,410
3,293,411
398 : 3,258,579
3,270,183
399 : 3,265,861
404 : 3,248,517
3,281,575
405 : 3,265,862
420 : 3,261,965
421 : 3,277,276
3,281,576
3,293,412
426 : 3,274,374
433 : 3,231,716
436 : 3,247,360
3,259,732
438 : 3,244,861
441 : 3,231,717
3,277,277
3,280,303
3,286,304
3,290,484
444 : 3,277,278
446 : 3,267,256
447 : 3,248,518
449 : 3,253,124
450 : 3,235,709
3,243,577
3,246,122
451 : 3,246,123
455 : 3,284,612
457 : 3,275,801
463 : 3,227,856
3,235,710
3,258,580
465 : 3,231,718
467 : 3,243,578
469 : 3,227,857
3,230,347
3,239,652
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3,280,305
470 : 3,278,723
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3,290,485
471 : 3,242,316
3,272,967
478 : 3,277,279
481 : 3,265,863
483 : 3,247,361
486 : 3,257,544
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489 : 3,291,968
494 : 3,227,858
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497 : 3,231,719
499 : 3,227,859
3,235,711
3,275,802
3,280,306
3,290,486
501 : 3,229,071
3,240,916
3,246,124
3,270,184
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3,277,280
503 : 3,291,969
516 : 3,251,980
522 : 3,263,063
3,288,983
524 : 3,236,998
3,281,577
528 : 3,238,355
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532 : 3,240,917
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533 : 3,293,413

535 : 3,272,968
3,275,803
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3,284,613
540 : 3,280,307
3,286,082
545 : 3,265,864
549 : 3,235,712
3,265,865

Class 220

1 : 3,236,403
3,250,419
3,251,500
3,266,653
.5 : 3,244,310
.5 : 3,266,654
2.1 : 3,228,548
.1 : 3,240,376
.1 : 3,260,397
.1 : 3,263,852
.1 : 3,265,234
.1 : 3,285,457
.3 : 3,243,072
3 : 3,228,549
3,228,550
3,239,092
3,241,700
3,250,420
3,252,610
3,260,398
3,268,103
3,270,905
3,270,906
3,282,459
.4 : 3,253,730
.4 : 3,255,912
.4 : 3,260,400
.6 : 3,283,937
.8 : 3,281,005
.9 : 3,232,472
.9 : 3,272,372
4 : 3,236,404
3,236,405
3,239,093
3,244,311
3,250,421
3,257,023
3,259,263
3,259,264
3,265,235
3,266,655
3,266,656
3,268,104
3,269,578
3,273,739
3,275,179
3,279,639
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5 : 3,229,050
3,241,701
3,244,312
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3,294,271
6 : 3,229,843
3,254,786
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8 : 3,285,459
9 : 3,231,125
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3,241,702
3,241,703
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3,272,373
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3,285,460
13 : 3,241,704
14 : 3,240,377
3,241,705
3,272,374
15 : 3,245,571
3,246,789
3,251,501
3,270,908
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3,273,740
3,291,333
17 : 3,241,706
3,275,180
3,285,461
18 : 3,229,844
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18 : 3,249,251
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19 : 3,245,572
3,272,376
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3,279,641
3,282,460
20 : 3,261,494
.5 : Re.26,092
.5 : 3,233,773
.5 : 3,283,938
.5 : 3,285,462
.5 : 3,285,463
21 : 3,233,774
3,240,378
3,245,573
3,246,790
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3,269,579
3,272,378
3,282,461
22 : 3,279,642
23.2 : 3,291,334
.4 : 3,269,580
.4 : 3,270,909
.83 : 3,250,422
.83 : 3,257,024
.83 : 3,294,273
24 : 3,232,473
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3,243,073
3,259,265
3,269,581
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.3 : 3,252,611
.3 : 3,278,066
.5 : 3,240,379
.5 : 3,262,599
.5 : 3,269,582
.5 : 3,279,643
.5 : 3,289,875
25 : 3,229,845
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26 : 3,228,551
3,240,381
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27 : 3,246,791
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29 : 3,249,253
3,255,915
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30 : 3,229,846
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31 : 3,236,408
3,246,792
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3,285,464
3,289,877
34 : 3,237,799
38.5 : 3,239,096
39 : 3,235,120
3,243,074
3,244,313
3,254,788
3,255,916
3,259,266
3,272,380
3,273,742
3,276,617
3,285,465
41 : 3,240,382
3,276,618
3,283,944
64 : 3,245,577
3,285,466
3,286,872
43 : 3,265,238
44 : 3,240,383
3,243,075
3,244,314
3,254,789
44 : 3,283,939
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3,289,878
46 : Re.26,127
3,246,793
3,258,151
3,266,657
3,269,585
3,273,743
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3,283,940
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3,294,274
47 : 3,228,552
3,235,121
3,235,122
3,236,409
3,245,575
3,261,497
48 : 3,227,304
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3,235,123
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3,286,874
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49 : 3,268,105
52 : 3,231,127
53 : 3,241,708
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54 : 3,232,474
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3,247,997
3,250,425
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3,251,502
3,251,503
3,254,790
3,255,917
3,259,267
3,263,855
3,266,659
3,269,586
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3,272,382
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3,273,745
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3,278,068
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3,282,463
3,283,945
3,283,946
3,285,467
3,286,875
3,288,323
3,291,336
3,294,275
3,269,588
3,289,881
62 : 3,236,410
63 : 3,227,305
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3,268,107
3,270,912
3,281,008
3,292,813
64 : 3,245,577
3,265,239
3,266,661
3,271,653
3,278,073
65 : 3,288,325
66 : 3,272,383
67 : 3,239,094
67 : 3,246,794
3,255,918
3,268,108
72 : 3,248,000
3,250,429
3,268,109
73 : 3,250,430
3,286,876
80 : 3,294,276
82 : 3,279,646
.5 : 3,275,186
83 : 3,252,612
3,286,877
84 : 3,265,240
85 : 3,236,411
3,239,095
3,257,025
3,276,620
3,286,878
86 : 3,254,791
89 : Re.26,102
3,227,306
3,229,848
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3,245,578
3,257,026
3,268,110
3,279,647
3,292,814
3,294,277
90 : 3,252,613
3,260,401
3,268,111
3,273,746
3,275,187
3,291,337
.2 : 3,268,792
.6 : 3,281,009
91 : 3,233,776
93 : 3,236,412
3,237,801
3,248,001
3,259,267
3,266,662
3,269,589
3,294,278
94 : 3,248,002
3,268,112
3,278,074
3,292,815
95 : 3,273,747
97 : 3,237,802
3,237,803
3,246,795
3,248,003
3,252,614
3,259,269
3,270,913
3,275,188
3,283,943
102 : 3,232,476
3,251,504
3,281,010
3,283,947
104 : 3,261,498
105 : 3,245,579
3,258,152
3,276,621
3,294,279
112 : 3,270,914
3,278,075
3,294,280
113 : 3,229,849
3,232,477
3,236,413
3,236,414
3,268,113
3,283,948
3,283,949
3,288,326
114 : 3,255,919
115 : Re.26,083
3,246,796
3,248,004
3,249,254
3,257,027
3,278,076
3,283,950
3,285,468
116 : 3,240,385
3,279,648
118 : 3,266,663
3,281,011

Class 221

1 : 3,243,076
3,253,734
3,259,270
3,272,384
125 : 3,243,080
3,276,623
3,276,624
2 : 3,270,915
3 : 3,258,153
4 : 3,260,402
6 : 3,228,553
3,270,916
7 : 3,266,664
9 : 3,253,735
3,245,581
3,279,649
3,292,816
3,294,281
10 : 3,260,403
11 : 3,258,154
3,279,650
3,283,951
3,291,338
12 : 3,294,282
13 : 3,246,797
3,248,005
3,260,404
3,268,114
3,283,952
14 : 3,254,792
15 : 3,268,115
17 : 3,251,505
18 : 3,261,499
23 : 3,269,590
3,269,591
32 : 3,260,405
33 : 3,232,478
3,243,077
34 : 3,245,580
36 : 3,248,006
3,251,506
3,258,155
3,259,271
3,275,189
3,278,078
3,286,879
37 : 3,276,622
40 : 3,268,116
41 : 3,228,554
91 : 3,244,317
93 : 3,269,592
3,289,882
45 : 3,233,777
3,291,339
47 : 3,265,241
48 : 3,239,097
3,243,078
3,266,665
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3,272,385
3,289,883
63 : 3,243,079
3,244,318
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3,265,242
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68 : 3,269,594
70 : 3,231,130
3,288,327
73 : 3,249,256
75 : 3,269,595
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77 : 3,294,283
81 : 3,237,804
82 : 3,252,615
3,286,880
84 : 3,227,307
3,253,736
85 : 3,263,857
88 : 3,279,651
90 : 3,252,616
93 : 3,246,799
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3,275,190
97 : 3,258,157
102 : 3,253,737
3,288,328
103 : 3,265,244
107 : 3,269,596
116 : 3,240,386
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3,252,617
120 : 3,294,284
122 : 3,260,406
123 : 3,250,431
124 : 3,244,320
3,254,794
3,265,245
3,282,466
3,258,160
3,265,248
3,291,341
3,292,821
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3,273,752
3,273,753
3,291,343
3,253,742
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3,266,670
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3,285,470
3,232,486
3,241,717
3,253,743
3,294,287
3,237,807
3,239,103
3,244,325
3,253,744
3,253,745
3,258,164
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3,270,918
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133 : 3,270,917
145 : 3,292,817
147 : 3,294,285
150 : 3,241,709
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155 : 3,288,329
167 : 3,276,625
172 : 3,281,012
173 : 3,286,881
174 : 3,288,330
175 : 3,275,191
176 : 3,241,710
177 : 3,266,667
178 : 3,289,884
186 : 3,243,081
3,269,597
199 : 3,228,555
200 : 3,239,098
3,253,738
201 : 3,292,818
203 : 3,244,319
205 : 3,248,008
220 : 3,258,158
223 : 3,279,652
227 : 3,263,859
232 : 3,233,778
3,239,099
3,283,954
236 : 3,292,819
238 : 3,288,331
239 : 3,273,749
243 : 3,240,387
246 : 3,244,321
251 : 3,283,955
253 : 3,253,739
254 : 3,272,386
257 : 3,276,626
259 : 3,241,711
3,275,192
260 : 3,278,080
265 : 3,241,712
267 : 3,232,479
273 : 3,262,603
274 : 3,263,860
278 : 3,273,750
279 : 3,228,556
281 : 3,273,751
283 : 3,265,246
288 : 3,289,885
289 : 3,250,432
290 : 3,231,131
293 : 3,292,820
296 : 3,294,286
297 : 3,244,322
298 : 3,231,132
3,260,407
299 : 3,231,133
3,235,125
301 : 3,257,029
3,281,013
302 : 3,243,082
3,263,861
305 : 3,232,480
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3,261,501

Class 222

1 : 3,227,308
3,227,309
3,229,850
3,231,134
3,237,805
3,248,009
3,252,618
3,252,619
3,255,920
3,255,921
3,258,159
3,259,272
3,259,273
3,260,408
3,261,502
3,275,193
3,276,627
3,276,628
3,278,081
3,281,014
3,283,956
3,289,886
3,289,887
2 : 3,252,620
3,292,821
3 : 3,232,481
3,243,083
3,285,469
4 : 3,232,482
3,245,582
3,258,160
3,265,248
3,291,341
3,294,322
5 : 3,227,310
3,237,806
3,241,713
3,246,801
5 : 3,248,010
3,266,668
3,266,669
3,269,598
14 : 3,251,507
3,268,117
16 : 3,232,483
20 : 3,241,714
3,241,715
3,254,795
3,260,409
3,278,082
23 : 3,257,030
3,257,031
25 : 3,228,557
3,236,415
26 : 3,231,135
3,232,484
3,244,323
3,252,621
3,257,032
3,291,342
36 : 3,257,033
3,257,034
41 : 3,258,161
3,258,162
42 : 3,261,503
43 : 3,244,324
3,289,888
44 : 3,276,629
45 : 3,228,558
3,241,716
48 : 3,259,274
3,272,387
3,275,194
49 : 3,229,851
51 : 3,240,388
52 : 3,227,311
3,227,312
3,228,559
3,229,852
3,232,485
3,233,779
3,233,780
3,236,416
3,239,101
3,239,102
3,245,583
3,252,622
3,253,740
3,253,741
3,258,163
3,273,752
3,273,753
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54 : 3,253,742
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3,266,670
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3,285,470
55 : 3,232,486
3,241,717
3,253,743
3,294,287
56 : Re.25,995
3,237,807
3,239,103
3,244,325
3,253,744
3,253,745
3,258,164
57 : 3,227,313
3,228,560
3,233,781
3,239,100
3,241,718
3,245,584
3,254,797
3,281,015
3,283,957
3,289,889
59 : 3,252,623
3,254,798
61 : 3,227,314
3,244,326
3,286,882
63 : 3,258,165
3,269,599
64 : 3,227,315
66 : 3,229,853
67 : 3,229,854
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3,255,922
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70 : 3,228,561
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3,232,487
3,233,782
3,240,389
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3,244,327

Class 222 – Con.

70 : 3,245,585
3,248,011
3,258,166
3,259,275
3,269,600
3,269,601
3,269,602
3,279,653
3,285,471
76 : 3,227,316
3,231,136
3,240,390
3,241,720
3,262,604
77 : 3,228,563
78 : 3,294,288
80 : 3,235,126
3,240,391
3,249,257
3,255,923
3,288,332
81 : 3,239,104
82 : 3,228,564
3,228,565
3,235,127
3,240,392
3,255,924
3,257,035
3,258,167
3,270,919
83 : 3,227,317
3,231,137
3,231,138
3,233,783
3,261,504
3,261,505
.5 : 3,276,631
.5 : 3,276,632
.5 : 3,283,958
85 : 3,289,890
86 : 3,285,472
88 : 3,245,586
3,253,747
3,254,799
3,258,168
91 : 3,278,083
92 : 3,227,318
3,236,417
3,273,754
3,289,891
93 : 3,241,721
94 : 3,227,319
3,239,105
3,240,393
3,266,671
95 : 3,231,139
3,240,394
3,243,084
3,246,802
3,248,012
3,257,036
3,270,920
3,278,084
3,288,333
3,289,892
3,294,289
96 : 3,252,624
3,257,037
98 : 3,233,784
3,291,344
99 : 3,257,038
100 : 3,248,013
3,259,276
101 : 3,232,488
3,263,862
3,265,249
102 : 3,249,258
3,257,039
3,275,195
3,289,893
103 : 3,262,605
3,269,603
3,281,016
3,291,345
105 : 3,269,604
107 : 3,235,128
3,246,803
3,252,625
3,255,925
3,258,169
3,260,410
3,260,411
3,260,412
3,263,863
3,278,085
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3,288,334
108 : 3,232,489
3,268,118
129 : 3,263,864
.1 : 3,240,395
.1 : 3,266,672
129.1 : 3,268,119
.1 : 3,272,388
.1 : 3,276,633
.1 : 3,292,822
.2 : 3,231,140
131 : 3,229,855
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3,265,250
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3,286,884
132 : 3,251,508
3,254,800
3,270,921
134 : 3,239,106
3,261,506
135 : 3,235,129
3,236,418
3,236,419
3,237,809
3,269,605
3,278,086
136 : 3,232,490
3,241,722
3,244,328
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3,272,389
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137 : 3,248,014
3,279,654
142.4 : 3,229,856
.9 : 3,235,130
143 : 3,250,434
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144 : 3,260,413
.5 : 3,276,634
145 : 3,260,414
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146 : 3,228,566
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3,258,170
3,258,171
3,261,507
3,266,673
3,266,674
3,269,606
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153 : 3,250,436
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154 : 3,232,491
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157 : 3,228,567
158 : 3,233,785
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159 : 3,229,857
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160 : 3,266,675
161 : 3,232,492
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162 : 3,260,415
3,272,391
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166 : 3,231,141
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167 : 3,254,801
168 : 3,268,120
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.5 : 3,227,320
.5 : 3,265,251
173 : 3,269,607
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174 : 3,229,858
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176 : 3,250,437
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177 : 3,233,786
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3,259,277
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178 : 3,259,278
179 : 3,233,787
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180 : 3,255,930
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3,273,756
181 : 3,250,438
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3,248,015
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189 : 3,227,323
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190 : 3,249,261
191 : 3,252,627
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193 : 3,231,144
3,232,493
3,232,494
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3,252,628
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194 : 3,249,263
3,272,396
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195 : 3,236,422
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233 : 3,231,146
239 : 3,289,897
243 : 3,248,020
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249 : 3,229,861
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254 : 3,233,790
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262 : 3,231,147
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263 : 3,235,137
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311 : 3,240,401
313 : 3,275,199
317 : 3,249,264
318 : 3,229,862
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321 : 3,228,570
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324 : 3,272,401
326 : 3,237,814
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328 : 3,227,326
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330 : 3,246,808
331 : 3,252,630
333 : 3,257,041
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334 : 3,227,327
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335 : 3,236,424
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340 : 3,255,935
345 : 3,245,589
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355 : 3,231,150
357 : 3,261,511
362 : 3,249,266
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363 : 3,227,328
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364 : 3,235,139
365 : 3,261,512
368 : 3,245,590
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370 : 3,266,677
380 : 3,232,497
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383 : 3,240,402
386 : 3,237,815
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.5 : 3,265,254
.5 : 3,273,761
387 : 3,279,659
389 : 3,233,791
389 : 3,245,591
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392 : 3,269,613
394 : RE.26,012
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397 : 3,258,176
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.7 : 3,231,154
.7 : 3,294,291
402.11: 3,283,961
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425 : 3,265,255
427 : 3,227,330
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439 : 3,252,631
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442 : 3,235,141
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447 : 3,243,086
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450 : 3,235,142
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478 : 3,235,145
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479 : 3,278,094
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484 : 3,248,025
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485 : 3,228,573
3,246,810
3,260,422
3,260,423
3,292,828
487 : 3,251,515
3,283,964
490 : 3,257,046
494 : 3,249,268
498 : 3,263,874
499 : 3,232,499
502 : 3,246,811
3,254,810
503 : 3,266,679
505 : 3,241,730
3,255,938
507 : 3,278,095
3,294,293
514 : 3,252,634
517 : 3,245,592
518 : 3,263,875
519 : 3,237,817
3,261,513
3,266,680
3,283,965
520 : 3,261,515
3,275,202
521 : 3,240,404
3,259,282
3,278,096
3,285,479
522 : 3,237,818
3,262,613
525 : 3,227,332
3,272,405
3,276,640
3,283,966
3,294,294
526 : 3,276,641
527 : 3,252,635
529 : 3,260,424
531 : 3,266,681
3,272,406
534 : 3,265,256
536 : 3,251,516
3,283,967
541 : 3,233,798
3,239,112
3,241,731
542 : 3,282,478
543 : 3,235,147
3,240,405
3,254,812
545 : 3,248,026
3,260,426
3,262,614
3,276,642
3,276,643
3,281,025
547 : 3,253,753
548 : 3,237,819
3,261,516
549 : 3,258,179
553 : 3,251,517
559 : 3,228,574
569 : 3,229,868
3,231,156
3,239,113
3,263,876
3,272,407
570 : 3,266,682
63 : 3,250,446
67 : 3,257,048
3,262,615
3,266,683
3,268,126
68 : 3,232,500
3,258,180
3,265,257
3,268,127
3,294,295
70 : 3,254,813
3,270,926
3,286,889
71 : 3,258,181
3,282,480
3,283,969
73 : 3,263,877
3,272,408
3,279,662
75 : 3,276,644
3,283,970
76 : 3,231,158
3,262,616
83 : 3,233,799
3,281,026
84 : 3,272,409
85 : 3,227,334
[illegible] : 3,241,732
[illegible] : 3,241,733
3,243,087
3,246,812
3,285,481
88 : 3,243,088
3,257,049
3,289,901
89 : 3,254,814
3,265,258
91 : 3,229,871
3,244,334
3,249,270
3,260,427
3,261,518
3,281,027
3,282,481
92 : 3,237,820
93 : 3,266,684
95 : 3,252,636
3,255,939
3,262,617
3,266,685
3,276,645
96 : 3,268,128
3,281,028
98 : 3,231,159
3,294,296
3,294,297
99 : 3,250,447
3,289,902
102 : 3,233,800
109 : 3,268,129
111 : 3,227,335
3,231,160
3,237,821
113 : 3,270,927
120 : 3,237,822
3,281,029

Class 224

1 : 3,232,501
3,252,637
3,258,182
2 : 3,227,336
3,227,337
3,239,114
3,246,813
3,250,448
3,252,638
3,252,639
3,257,050
3,261,519
3,265,259
3,268,130
3,269,620
3,276,646
3,289,903
4 : 3,233,801
3,259,283
3,265,247
3,270,928
5 : 3,229,872
3,233,802
3,259,284
3,272,410
3,283,971
3,294,298
.1 : 3,263,878
.1 : 3,279,663
6 : 3,229,873
3,254,815
3,260,428
3,265,260
3,269,621
3,275,205

7 : 3,263,879
3,269,622
3,282,482
8 : 3,233,803
3,254,816
9 : 3,241,734
3,250,449
3,266,686
3,292,830
15 : 3,272,411
17 : 3,286,890
23 : 3,285,492
25 : 3,249,271
3,282,483
3,285,482
26 : 3,227,338
3,272,412
28 : 3,273,766
3,294,299
29 : 3,257,051
3,263,880
3,265,261
3,268,131
39 : 3,286,891
42.01: 3,232,502
.01: 3,273,767
.03: 3,228,576
.03: 3,229,874
.03: 3,240,406
.03: 3,251,520
.03: 3,268,132
.03: 3,275,206
.07: 3,260,929
.1 : 3,227,339
.1 : 3,228,575
.1 : 3,231,161
.1 : 3,237,823
.1 : 3,239,115
.1 : 3,251,519
.1 : 3,253,754
.1 : 3,253,755
.1 : 3,257,052
.1 : 3,260,429
.1 : 3,261,520
.1 : 3,263,881
.1 : 3,265,262
.1 : 3,273,768
.1 : 3,281,030
.1 : 3,282,484
.1 : 3,283,972
.1 : 3,286,892
.21: 3,283,973
.38: 3,240,407
.41: 3,240,408
.42: 3,237,824
.42: 3,268,133
.42: 3,291,353
.44: 3,261,521
.45: 3,273,769
.46: 3,228,577
45 : 3,232,503
3,237,825
3,248,027
3,251,521
3,254,817
3,257,053
3,260,430
3,262,618
3,266,687
3,272,413
3,281,031
46 : 3,235,148
3,259,285
3,273,770
48 : 3,233,804
3,266,688
49 : 3,292,831
50 : 3,262,619
55 : 3,268,134
3,278,097
56 : 3,257,054

Class 225

1 : 3,244,335
3,244,336
3,246,814
3,249,272
3,257,055
3,261,522
3,269,623
2 : 3,232,504
3,244,337
3,253,756
3,259,286
3,263,882
3,265,263
3,268,135
3,268,136
3,268,137
3,275,207
3,283,974
3,286,893
3 : 3,239,116
3 : 3,273,771
3,294,300
7 : 3,283,975
12 : 3,273,772
16 : 3,249,273
3,266,689
3,281,032
17 : 3,273,773
18 : 3,232,505
19 : 3,227,340
3,231,162
3,237,826
21 : 3,228,578
23 : 3,228,579
25 : 3,265,264
32 : 3,239,117
34 : 3,259,287
36 : 3,263,883
38 : 3,229,875
3,281,033
41 : 3,262,620
42 : 3,237,827
44 : 3,227,341
3,246,815
45 : 3,272,414
48 : 3,281,034
3,281,035
3,285,483
49 : 3,229,876
3,281,036
64 : 3,283,976
65 : 3,283,977
66 : 3,260,431
77 : 3,260,432
79 : 3,291,354
93 : 3,232,506
3,240,409
96 : 3,231,164
3,236,427
.5 : 3,244,338
.5 : 3,279,664
97 : 3,235,149
3,237,828
3,269,624
3,270,929
101 : 3,268,138
102 : 3,255,940
103 : 3,237,829
3,262,621
3,283,978
3,286,894
104 : 3,244,339

Class 226

2 : 3,265,265
3,288,336
3 : 3,240,410
3,254,818
4 : 3,241,735
3,245,593
3,246,816
5 : 3,260,433
7 : 3,268,139
8 : 3,229,877
9 : 3,263,884
3,275,208
13 : 3,239,118
15 : 3,260,434
3,260,435
18 : 3,268,140
22 : 3,244,340
24 : 3,236,428
25 : 3,229,878
3,279,665
27 : 3,294,301
29 : 3,248,029
31 : 3,276,647
33 : 3,246,817
3,248,030
3,270,930
3,276,648
39 : 3,265,266
42 : 3,236,429
3,240,411
43 : 3,283,979
44 : 3,235,150
3,254,819
49 : 3,270,931
3,292,832
50 : 3,268,141
3,273,774
57 : 3,233,805
59 : 3,281,037
60 : 3,259,288
3,294,302
63 : 3,249,274
64 : 3,260,436
66 : 3,291,355
67 : 3,229,879
3,253,757
3,279,666
70 : 3,278,098
71 : 3,235,151
74 : 3,289,904
76 : 3,255,941
85 : 3,285,484
88 : 3,227,342
3,240,412
90 : 3,246,818
3,269,625
3,279,667
91 : 3,263,885
3,265,267
3,276,649
3,292,833
93 : 3,283,980
95 : 3,231,163
3,246,819
3,258,183
3,258,184
3,263,886
3,266,690
3,270,932
3,281,038
3,281,039
3,286,895
3,289,905
3,294,304
97 : 3,227,343
3,231,165
3,232,507
3,266,691
3,270,933
3,272,415
3,272,416
3,273,775
3,281,040
3,286,896
3,294,305
100 : 3,251,522
109 : 3,229,880
3,237,830
3,266,692
111 : 3,286,897
112 : 3,239,119
3,265,268
114 : 3,232,508
115 : 3,227,344
3,281,041
118 : 3,248,028
3,249,275
3,281,042
119 : 3,236,430
3,246,820
123 : 3,276,650
127 : 3,231,166
3,232,509
3,262,622
129 : 3,266,693
134 : 3,292,834
135 : 3,246,821
3,259,289
136 : 3,270,934
145 : 3,279,668
155 : 3,246,822
162 : 3,292,835
168 : 3,266,694
3,289,906
169 : 3,282,485
172 : 3,232,510
3,240,413
3,251,523
3,254,820
3,265,269
3,285,485
174 : 3,249,276
175 : 3,252,640
3,265,270
176 : 3,227,345
3,257,056
177 : 3,265,271
3,269,626
178 : 3,233,806
3,237,831
3,239,120
179 : 3,261,523
3,269,627
180 : 3,233,807
3,243,089
3,285,486
181 : 3,235,152
3,243,090
3,253,758
3,278,099
3,279,669
3,282,486
3,288,337
3,289,907
183 : 3,227,346
188 : 3,243,091
3,244,341
3,246,823
3,270,935
3,286,898
189 : 3,231,167
3,233,808
189 : 3,278,100
190 : 3,236,431
3,245,594
3,259,290
3,261,524
3,276,651
3,282,487
3,283,981
3,285,487
3,292,836
191 : 3,276,652
193 : 3,288,338
194 : 3,248,031
195 : 3,227,347
3,229,881
3,268,142
3,279,670
3,281,043
3,282,488
3,283,982
3,289,908
196 : 3,227,348
3,249,277
3,259,291
3,265,272
3,270,936
3,285,488
197 : 3,233,809
3,270,937
199 : 3,257,057
3,261,525
200 : 3,291,349

Class 227

1 : 3,249,278
3,261,526
3,279,671
3,281,044
2 : 3,265,273
3 : 3,235,153
7 : 3,233,810
3,251,524
3,257,058
3,261,527
3,265,274
3,278,101
3,282,489
8 : 3,248,032
3,252,641
3,255,942
3,259,292
3,278,106
9 : 3,261,528
10 : 3,235,154
3,239,121
3,249,279
3,275,209
3,286,899
11 : 3,283,983
16 : 3,292,837
17 : 3,281,045
18 : 3,265,275
19 : 3,244,342
30 : 3,283,984
61 : 3,236,432
76 : 3,244,343
77 : 3,279,672
80 : 3,233,811
3,289,909
81 : 3,269,629
82 : 3,275,210
3,291,356
83 : 3,291,357
85 : 3,279,673
88 : 3,231,168
93 : 3,257,059
94 : 3,243,092
95 : 3,276,653
3,294,303
96 : 3,266,695
100 : 3,248,033
3,252,642
101 : 3,228,580
107 : 3,269,630
109 : 3,252,643
3,273,776
112 : 3,283,985
113 : 3,285,489
115 : 3,281,046
116 : 3,245,596
3,249,280
117 : 3,237,832
119 : 3,254,821
120 : 3,253,760
3,266,696
3,266,697
3,266,698
3,282,490
3,283,986
123 : 3,272,417
2.5 : 3,233,812
.5 : 3,243,095
.5 : 3,243,096
.5 : 3,244,346
.5 : 3,245,600
.5 : 3,253,762
.5 : 3,257,062
.5 : 3,258,186
.5 : 3,258,187
.5 : 3,259,294
.5 : 3,261,530
.5 : 3,261,531
.5 : 3,265,280
.5 : 3,265,281
.5 : 3,268,144
.5 : 3,269,634
.5 : 3,275,213
.5 : 3,276,656
.5 : 3,285,491
.5 : 3,286,902
.5 : 3,286,903
.5 : 3,289,911
3.1 : 3,245,601
.1 : 3,249,282
.1 : 3,263,891
.5 : 3,229,886
.5 : 3,233,813
.5 : 3,239,126
4.5 : 3,279,675
.5 : 3,286,904
.5 : 3,288,341
.5 : 3,291,362
5.5 : 3,229,887
.5 : 3,259,296
.5 : 3,273,778
.5 : 3,291,363
.6 : 3,254,822
.6 : 3,268,145
.6 : 3,288,342
.7 : 3,233,814
.7 : 3,248,035
.7 : 3,276,657
6 : 3,227,351
3,246,824
3,261,532
3,263,892
3,268,146
3,288,343
3,291,364
7 : 3,237,835
8 : 3,248,032
17 : 3,262,624
3,265,276
3,265,279
18 : 3,239,123
20 : 3,239,124
3,245,597
3,245,598
3,259,293
3,263,889
3,279,674
22 : 3,282,491
25 : 3,229,883
3,255,944
27 : 3,266,701
36 : 3,269,633
37 : 3,249,281
41 : 3,227,349
3,253,761
44 : 3,240,414
3,241,736
3,244,345
3,265,277
3,291,360
46 : 3,257,061
47 : 3,243,094
3,255,945
48 : 3,266,702
49 : 3,266,703
50 : 3,229,884
3,251,526
3,251,527
3,258,185
3,261,529
52 : 3,229,885
3,250,453
3,252,645
3,253,763
54 : 3,245,599
55 : 3,248,034
3,260,439
56 : 3,227,350
3,239,125

Class 229

1.5 : 3,232,512
.5 : 3,237,834
.5 : 3,262,625
.5 : 3,262,626
.5 : 3,268,143
.5 : 3,272,418
.5 : 3,276,655
.5 : 3,288,340
.5 : 3,291,361
16 : 3,292,841
17 : 3,227,353
3,229,888
3,232,514
3,237,837
3,241,737
3,245,603
3,246,825
3,249,283
3,251,530
3,253,764
3,255,946
3,262,630
3,266,055
3,270,940
3,270,941
3,270,942
3,272,425
3,275,214
3,279,678
3,279,679
3,281,048
3,289,912
3,289,913
3,292,842
20 : 3,231,170
21 : 3,269,640
22 : 3,244,348
3,250,454
23 : 3,227,354
3,237,838
3,237,839
3,246,826
3,252,647
3,253,765
3,259,295
3,259,298
3,261,533
3,269,639
3,270,943
3,272,419
3,281,049
3,286,901
3,294,306
3,294,307
3,294,308
27 : 3,228,581
3,272,420
3,285,493
28 : 3,229,889
3,244,349
3,244,350
3,246,827
3,251,531
3,253,766
3,255,947
3,257,064
3,260,441
3,269,641
3,291,365
30 : 3,246,828
3,266,706
3,288,347
3,291,366
31 : 3,231,171
3,236,434
3,236,435
3,244,351
3,246,829
3,254,823
3,257,065
3,258,191
3,261,534
3,275,215
3,289,914
32 : 3,244,352
3,246,830
3,248,038
3,259,299
3,268,147
33 : 3,251,532
3,291,367
34 : 3,227,355
3,250,455
3,252,648
3,254,824
3,268,148
3,276,660
35 : 3,261,535
36 : 3,285,494
37 : 3,227,356
3,229,890
3,232,515
3,232,516
3,235,163
3,236,436
3,240,418
3,241,738
3,243,097
3,248,039
3,253,767
3,253,768
3,254,825
3,261,536

Class 229—Con.

37 : 3,262,631
3,263,896
3,266,708
3,268,149
3,273,780
3,275,216
3,275,217
3,278,108
3,281,050
3,286,906
3,288,348
3,291,368
3,291,369
3,291,370
38 : 3,253,769
39 : 3,227,357
3,229,891
3,233,818
3,244,353
3,258,192
3,266,707
3,272,421
3,28 8349
3,291,371
40 : 3,229,892
3,249,284
3,252,649
3,252,650
3,253,770
3,253,771
3,257,066
3,261,537
3,263,897
3,270,944
3,273,781
3,273,782
3,275,218
3,276,661
3,283,990
3,292,843
41 : 3,237,840
3,251,533
3,254,826
3,286,907
42 : 3,232,517
43 : 3,233,819
3,235,164
3,244,354
3,272,422
3,276,662
3,285,495
44 : 3,232,518
3,233,820
3,237,841
3,286,908
45 : 3,236,437
3,244,355
3,259,300
3,275,219
3,294,309
47 : 3,273,783
3,275,220
3,276,663
48 : 3,245,604
3,254,827
3,276,664
3,294,310
49 : 3,263,898
3,265,284
51 : Re.26,107
3,228,582
3,231,172
3,235,165
3,235,166
3,235,167
3,237,842
3,237,843
3,239,128
3,239,129
3,240,419
3,241,739
3,243,098
3,244,356
3,252,651
3,255,948
3,255,949
3,257,067
3,261,538
3,262,632
3,263,899
3,263,900
3,265,285
3,265,286
3,265,287
3,266,709
3,268,150
3,270,945
3,270,946
3,270,947
3,276,665
3,276,666
3,276,667
51 : 3,276,668
3,276,669
3,278,109
3,281,051
3,281,052
3,281,053
3,281,054
3,281,055
3,281,056
3,281,057
3,281,058
3,281,059
3,282,492
3,283,991
3,285,496
3,286,909
3,286,910
3,291,372
3,294,311
52 : Re.25,966
3,255,950
53 : 3,237,844
3,245,605
3,245,606
3,246,831
3,249,285
3,254,828
3,263,901
3,269,642
3,276,670
3,276,671
3,276,672
3,283,992
3,291,373
3,294,312
54 : 3,227,358
3,240,420
3,255,951
3,282,493
3,283,993
55 : 3,228,583
3,235,168
3,248,040
3,248,041
3,249,286
3,259,301
3,266,710
3,269,643
3,272,423
3,283,994
3,285,497
3,291,374
3,291,375
57 : 3,237,845
3,248,042
3,285,498
59 : 3,231,173
3,262,633
3,289,915
60 : 3,246,832
3,263,902
62 : 3,243,099
3,245,607
3,254,829
3,256,941
3,259,302
3,266,711
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3,285,499
.5 : 3,235,169
.5 : 3,236,438
.5 : 3,237,846
.5 : 3,249,287
.5 : 3,262,634
.5 : 3,263,903
.5 : 3,268,152
.5 : 3,281,060
.5 : 3,291,376
66 : 3,227,359
3,228,584
3,228,585
3,231,174
3,233,821
3,249,288
3,259,303
3,269,644
3,272,424
68 : 3,229,893
3,256,527
3,263,904
3,268,153
69 : 3,273,784
3,273,785
70 : 3,288,350
71 : 3,288,351
72 : 3,236,439
3,266,712
73 : 3,227,360
3,228,586
3,255,952
3,270,948
77 : 3,288,352
78 : 3,265,288
3,281,061
80 : 3,265,289
3,285,666
82 : 3,236,440
85 : 3,229,894
3,261,539
3,294,313
86 : 3,246,833
87 : 3,233,815
3,257,068
3,266,713
3,288,353
3,291,377
.2 : 3,282,494
92.1 : 3,250,456
.1 : 3,270,949
.1 : 3,270,950
.3 : 3,255,953
.8 : 3,259,304
.8 : 3,266,714
93 : 3,263,905

Class 230

1 : 3,239,130
2 : 3,229,895
3,251,534
3,275,221
9 : 3,251,535
3,253,772
3,253,773
3,270,951
3,291,378
11 : 3,253,774
14 : 3,257,069
15 : 3,266,715
3,278,110
17 : 3,232,519
3,233,822
3,278,111
19 : 3,261,540
20 : 3,276,673
21 : 3,289,916
22 : 3,269,645
23 : 3,273,786
24 : 3,294,314
31 : 3,255,954
3,255,955
3,261,541
3,272,426
40 : 3,285,500
42 : 3,278,112
44 : 3,228,587
3,254,830
45 : 3,228,588
3,239,131
3,245,609
47 : 3,272,427
52 : 3,237,847
3,244,357
3,249,289
3,253,775
54 : 3,236,441
55 : 3,255,956
3,266,716
3,286,911
3,289,917
58 : 3,237,848
3,239,132
3,243,100
3,243,101
3,270,952
3,279,683
67 : 3,268,154
69 : 3,228,589
3,228,590
3,231,175
3,232,520
3,233,823
3,235,170
3,236,442
3,239,133
3,239,134
3,240,421
3,241,740
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3,249,291
3,251,536
3,252,652
3,258,193
3,258,194
3,291,379
3,291,380
3,292,844
79 : 3,232,521
3,241,741
3,289,918
101 : 3,227,361
3,251,537
3,251,538
3,258,196
3,259,305
3,273,787
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111 : 3,279,680
114 : 3,251,539
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3,279,681
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115 : 3,240,422
3,248,043
3,268,155
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3,292,845
3,292,846
116 : 3,262,635
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117 : 3,229,896
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3,276,675
3,289,920
120 : 3,270,953
3,278,114
3,291,381
122 : 3,237,850
3,265,290
3,265,291
3,283,995
125 : 3,232,522
3,249,292
3,255,957
3,275,223
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3,288,355
127 : 3,229,898
3,278,115
3,285,501
3,289,921
3,289,922
128 : 3,246,834
3,272,428
129 : 3,250,458
130 : 3,289,923
132 : 3,262,636
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133 : 3,278,116
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134 : 3,228,591
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3,272,429
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3,289,924
3,294,315
138 : 3,260,444
3,263,911
139 : 3,232,523
3,291,383
141 : 3,250,459
3,275,225
3,281,063
3,292,847
143 : 3,241,744
3,245,612
3,265,292
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3,275,226
3,282,495
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145 : 3,229,899
3,235,171
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3,240,423
3,241,745
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3,261,542
3,263,912
3,263,913
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145 : 3,286,912
147 : 3,258,197
3,259,306
3,269,646
152 : 3,286,913
3,291,384
153 : 3,235,172
3,237,851
158 : 3,279,682
159 : 3,281,065
162 : 3,232,524
185 : 3,233,824
187 : 3,285,503
3,294,316
198 : 3,265,294
203 : 3,229,900
205 : 3,231,179
206 : 3,229,901
3,237,852
3,241,746
3,248,044
3,253,776
3,259,307
3,259,308
3,276,677
207 : 3,240,424
3,241,747
3,243,103
3,258,198
3,258,199
3,265,295
3,285,504
3,291,385
208 : 3,288,357
210 : 3,250,460
215 : 3,283,997
228 : 3,241,748
231 : 3,292,848
232 : 3,250,461
3,270,955
3,286,914
235 : 3,246,836
3,261,543
241 : 3,258,200
254 : 3,288,358
259 : 3,276,678
3,279,684
266 : 3,288,359
269 : 3,241,749
275 : 3,261,544
3,262,638

Class 231

2 : 3,227,362
3,244,358

Class 232

1 : 3,268,158
3,281,066
2 : 3,229,902
15 : 3,231,180
33 : 3,243,104
34 : 3,275,227
3,275,228
3,275,229
35 : 3,229,903
3,270,956
3,291,386
42 : 3,236,443
43.1 : 3,259,309
.2 : 3,241,750
.2 : 3,249,294
.2 : 3,261,545
.2 : 3,270,957
.2 : 3,279,685
.2 : 3,292,849
.3 : 3,237,853
.3 : 3,285,505
.4 : 3,244,359
44 : 3,241,751

Class 233

1 : 3,240,425
3,243,105
3,269,647
3,285,506
3,289,925
2 : 3,231,182
3,244,360
3,248,045
3,279,686
3 : 3,231,181
7 : 3,228,592
3,228,593
3,228,594
3,245,613
3,268,159
3,273,789
3,275,230
3,279,687
3,279,688
7 : 3,282,497
3,285,507
3,289,926
11 : 3,251,342
3,276,679
14 : 3,250,462
3,279,689
15 : 3,231,183
3,231,184
3,231,185
3,254,832
3,285,508
3,292,850
17 : 3,235,173
18 : 3,273,790
3,281,067
19 : 3,235,174
20 : 3,237,854
3,239,136
3,239,137
3,249,295
3,250,463
3,255,958
3,261,546
3,272,430
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3,294,317
21 : 3,228,595
22 : 3,244,361
3,255,959
3,288,360
23 : 3,288,361
24 : 3,228,596
3,228,597
3,233,825
3,275,231
26 : 3,235,175
3,241,752
3,241,753
3,241,754
3,248,046
3,257,072
3,265,296
3,266,718
3,268,160
3,289,927
27 : 3,243,106
3,244,362
3,246,837
3,257,073
3,282,498
28 : 3,237,855
3,244,363
3,291,387
29 : 3,228,598
46 : 3,253,777

Class 234

1 : 3,245,614
3,275,232
3,275,233
4 : 3,244,364
5 : 3,258,201
7 : 3,268,161
3,273,791
17 : 3,286,915
18 : 3,273,792
30 : 3,263,914
32 : 3,268,162
33 : 3,232,525
3,245,615
3,248,047
42 : 3,235,176
3,268,163
48 : 3,231,186
51 : 3,248,048
58 : 3,275,234
77 : 3,260,445
85 : 3,236,444
100 : 3,232,526
3,278,117
108 : 3,260,446
114 : 3,253,778
115 : 3,279,690
3,285,509
3,291,388
119 : 3,276,680
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128 : 3,229,904
3,268,164
129 : 3,228,599
131 : 3,232,527
3,241,755

Class 235

1 : 3,251,543
3,261,547
3,265,297
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7 : 3,227,363
7 : 3,289,929
23 : 3,265,298
30 : 3,235,177
3,249,296
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3,286,917
50 : 3,227,364
3,232,528
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3,286,918
51 : 3,233,826
54 : 3,232,529
3,249,297
58 : 3,262,639
60 : 3,241,756
3,243,107
3,249,298
3,253,779
3,260,447
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3,263,916
3,268,165
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.25: 3,260,449
.25: 3,285,511
.27: 3,254,834
.41: 3,263,917
.48: 3,279,694
.51: 3,266,719
.51: 3,273,793
61 : Re.26,041
3,231,187
3,231,188
3,232,530
3,243,108
3,243,109
3,250,464
3,254,835
3,255,960
3,259,310
3,260,450
3,263,918
3,266,720
3,266,721
3,268,166
3,269,648
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.11: 3,290,487
.11: 3,293,414
.11: 3,293,415
.11: 3,294,957
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61.12: 3,257,545
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.5 : 3,267,257
.5 : 3,277,282
.5 : 3,288,984
.6 : 3,229,072
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.6 : 3,246,125
.6 : 3,255,338
.6 : 3,259,733
.6 : 3,264,452
.6 : 3,267,261
.6 : 3,275,804
.7 : 3,238,356
.7 : 3,248,520
.7 : 3,254,201
.7 : 3,255,339
.7 : 3,267,258
.7 : 3,270,185
.9 : 3,233,080
.9 : 3,242,317
.9 : 3,253,125
.9 : 3,294,956
62 : 3,250,465
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63 : 3,260,451
3,260,452
64 : 3,254,836
.7 : 3,257,074
65 : 3,282,499
69 : 3,272,431
70 : 3,229,905
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3,260,453
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71 : 3,261,548
3,281,071
72 : 3,245,616
74 : 3,227,365
3,236,446
78 : 3,231,189
3,243,110
3,253,780
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3,259,311
3,259,312
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79.5 : 3,232,532
83 : 3,281,072
84 : 3,275,235
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86 : 3,266,723
88 : 3,248,049
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89 : 3,248,050
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90 : 3,266,724
91 : 3,251,544
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92 : 3,229,076
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94 : 3,240,426
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95 : 3,233,827
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97 : 3,227,366
98 : 3,239,138
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99 : 3,228,600
100 : 3,260,454
101 : 3,229,906
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110 : 3,270,959
114 : 3,268,168
117 : 3,229,907
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130 : 3,249,299
132 : 3,228,601
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134 : 3,288,363
137 : 3,244,367
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139 : 3,250,468
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144 : 3,244,368
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150 : 3,265,870
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.5 : 3,284,616
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.13: 3,242,321
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.2 : 3,290,491
.21: 3,254,202
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.35: 3,280,313
152 : 3,246,130
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153 : 3,227,865
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154 : 3,229,078
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155 : 3,242,323
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156 : 3,230,352
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158 : 3,278,730
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159 : 3,230,353
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168 : 3,230,355
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169 : 3,260,840
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175 : 3,234,371
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177 : 3,237,001
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178 : 3,239,656
179 : 3,280,317
180 : 3,233,086
181 : 3,242,326
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189 : 3,270,189
193 : 3,233,087
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194 : 3,234,375
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34 : 3,229,909
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195 : 3,271,567
196 : 3,274,381
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197 : Re.26,029
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200 : 3,232,533
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201 : 3,227,368
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Class 236

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9 : 3,255,964
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12 : 3,228,603
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13 : 3,227,369
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14 : 3,243,116
15 : 3,232,534
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.5 : 3,231,194
35.2 : 3,265,300
36 : 3,246,838
37 : 3,259,315
44 : 3,245,619
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3,289,936
46 : 3,281,074
3,285,513
3,286,924
48 : 3,227,370
49 : 3,288,370
51 : 3,275,237
56 : 3,266,726
3,288,367
59 : 3,286,925
3,286,926
66 : 3,260,458
68 : 3,236,451
3,251,549
3,254,838
3,265,302
78 : 3,228,604
3,240,428
80 : 3,227,371
3,235,180
3,260,459
3,261,549
3,265,303
87 : 3,241,761
3,275,238
3,294,320
91 : 3,246,839
3,246,840
3,278,119
92 : 3,248,058
3,253,781
3,259,316
3,284,004
93 : 3,228,605
3,237,862
3,263,926
3,273,798
3,291,391
98 : 3,278,120
99 : 3,233,830
3,241,762
3,258,202
3,262,642
3,272,433
3,281,075
3,289,937
3,294,321
100 : 3,235,181
101 : 3,248,675
102 : 3,236,452

Class 237

1 : 3,239,144
3,243,117
2 : 3,241,763
3,273,799
8 : 3,236,453
3,249,303
3,254,839
3,257,076
3,258,203
3,259,317
.3 : 3,241,764
.3 : 3,243,118
.3 : 3,243,119
.3 : 3,246,841
.3 : 3,269,653
.3 : 3,278,121
.3 : 3,282,505
.4 : 3,228,606
19 : 3,278,122
31 : 3,259,318
32 : 3,232,535
33 : 3,246,842
34 : 3,289,938
50 : 3,260,460
53 : 3,236,454
56 : 3,258,204
59 : 3,227,372
63 : 3,285,514
67 : 3,265,304
78 : 3,229,910
3,250,472
3,265,305
3,268,169
81 : 3,269,654

Class 238

2 : 3,278,123
3 : 3,261,550
10 : 3,228,607
3,243,120
3,288,368
3,291,392
14 : 3,279,700
3,289,939
3,291,393
.05: 3,241,765
22 : 3,292,857
29 : 3,289,940
116 : 3,289,941
121 : 3,285,515
143 : 3,291,394
243 : 3,288,369
283 : 3,268,170
287 : 3,282,506
292 : 3,269,655
309 : 3,240,429
321 : 3,243,121
349 : 3,246,843
3,254,840
3,269,656
3,282,507

Class 239

1 : 3,263,927
2 : 3,227,373
3,272,434
3,284,005
4 : 3,251,550
7 : 3,250,473
3,281,076
8 : 3,232,536
3,260,461
3,261,551
3,292,858
9 : 3,276,693
3,292,859
10 : 3,249,304
11 : 3,236,455
3,262,643
14 : 3,231,195
3,272,435
15 : 3,228,608
3,233,831
3,246,844
3,248,059
3,251,551
3,253,782
3,265,306
3,268,171
3,275,239
3,292,860
17 : 3,235,877
3,292,861
3,294,322
23 : 3,286,927
25 : 3,237,863
3,241,766
3,265,307
33 : 3,260,462
35 : 3,239,145
42 : 3,254,841
47 : 3,257,077
56 : 3,227,374
61 : 3,275,240
63 : 3,244,372
66 : 3,241,767
70 : 3,228,609
3,231,196
71 : 3,246,845
72 : 3,260,463
73 : 3,227,375
75 : 3,232,537
77 : 3,252,656
3,269,657
3,278,124
78 : 3,227,376
3,246,846
82 : 3,253,783
85 : 3,228,610
3,262,644
3,266,727
3,273,800

Class 239—Con.

85 : 3,281,077
3,281,078
89 : 3,240,430
90 : 3,257,078
101 : 3,240,431
3,253,784
3,276,694
3,289,942
102 : 3,243,122
3,285,516
3,285,517
107 : 3,254,842
3,288,371
109 : 3,268,172
113 : 3,249,305
3,257,079
116 : 3,228,611
117 : 3,250,474
123 : 3,263,928
124 : 3,227,377
3,240,432
3,241,768
3,243,123
3,269,658
127.1 : 3,243,124
.1 : 3,249,306
.1 : 3,251,552
.1 : 3,289,943
.3 : 3,231,197
.3 : 3,237,864
.3 : 3,251,553
.3 : 3,281,079
.3 : 3,282,421
132 : 3,254,843
.3 : 3,228,612
.3 : 3,232,538
.3 : 3,235,182
.3 : 3,255,966
133 : 3,255,967
142 : 3,229,911
3,237,865
3,239,146
3,276,695
150 : 3,239,147
3,286,928
155 : 3,233,832
3,266,728
159 : 3,239,148
165 : 3,270,962
166 : 3,284,006
168 : 3,231,198
3,236,456
172 : 3,265,308
177 : 3,259,319
183 : 3,241,769
185 : 3,292,862
186 : 3,266,729
187 : 3,246,847
3,265,309
3,269,659
201 : 3,265,310
203 : 3,239,149
204 : 3,237,866
3,258,205
3,263,929
3,272,436
3,282,508
205 : 3,266,730
206 : 3,263,930
3,268,173
3,272,437
212 : 3,237,867
3,245,595
3,245,608
3,246,848
3,255,968
3,268,174
3,272,438
3,281,080
213 : 3,281,081
222.15: 3,232,539
224 : 3,269,660
225 : 3,229,912
3,229,913
227 : 3,255,969
3,255,970
3,275,241
3,275,242
3,289,944
3,292,863
233 : 3,244,373
236 : 3,261,552
237 : 3,266,731
242 : 3,261,553
3,269,661
3,270,963
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251 : 3,265,311
3,288,372
252.0 : 3,261,554
253 : 3,231,199
265.11: 3,263,931
.15: 3,235,183
.15: 3,251,554
.15: 3,251,555
.15: 3,253,785
.15: 3,285,518
.15: 3,285,519
.17: 3,244,374
.19: 3,241,770
.19: 3,262,645
.19: 3,289,945
.19: 3,292,864
.23: 3,233,833
.23: 3,239,150
.23: 3,255,971
.23: 3,259,320
.23: 3,266,732
.23: 3,268,175
.23: 3,273,801
.23: 3,288,373
.23: 3,294,323
.25: 3,241,771
.25: 3,243,125
.25: 3,245,620
.25: 3,269,662
.25: 3,272,439
.25: 3,292,865
.27: 3,250,475
.27: 3,258,206
.27: 3,266,733
.27: 3,286,930
.29: 3,266,734
.29: 3,269,663
.35: 3,233,834
.35: 3,235,184
.35: 3,275,243
.35: 3,281,082
.35: 3,285,520
.37: 3,276,696
.39: 3,243,126
.39: 3,289,946
.41: 3,288,374
.43: 3,279,704
272 : 3,269,664
275 : 3,241,772
284 : 3,237,868
3,253,786
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3,286,932
3,292,866
288 : 3,294,324
289 : 3,229,914
296 : 3,252,657
304 : 3,236,457
3,246,849
3,263,932
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305 : 3,253,787
310 : 3,259,321
316 : 3,250,476
318 : 3,228,613
3,231,200
3,254,844
3,255,972
3,260,464
3,285,521
3,291,395
322 : 3,292,867
327 : 3,286,934
332 : 3,250,477
3,254,845
3,288,375
333 : 3,239,151
335 : 3,252,658
336 : 3,249,307
3,258,207
338 : 3,236,458
3,251,556
3,269,665
3,273,802
345 : 3,275,244
348 : 3,289,947
355 : 3,265,312
373 : 3,282,510
392 : 3,284,007
394 : 3,246,850
397 : 3,258,208
399 : 3,231,201
3,275,245
400 : 3,240,433
3,254,846
403 : 3,237,869
3,244,375
3,246,851
3,246,852
3,246,853
3,252,659
3,259,322
3,272,441
405 : 3,278,125
406 : 3,289,948
408 : 3,266,736
411 : 3,235,185
412 : 3,227,378
3,284,008
3,291,396
413 : 3,227,379
3,253,788
3,279,701
415 : 3,235,519
416 : 3,232,540
3,236,459
.4 : 3,236,460
422 : 3,255,973
3,292,868
424 : 3,237,870
3,245,621
425 : 3,245,622
426 : 3,272,440
427 : 3,227,380
3,232,541
3,261,555
3,284,009
.3 : 3,232,542
.5 : 3,265,313
428.5 : 3,270,964
.5 : 3,270,965
.5 : 3,275,246
.5 : 3,276,697
.5 : 3,279,702
.5 : 3,286,935
.5 : 3,288,076
429 : 3,285,522
430 : 3,229,915
3,260,465
431 : 3,239,152
432 : 3,228,614
3,229,916
433 : 3,279,703
3,288,377
436 : 3,241,773
447 : 3,275,247
450 : 3,261,556
452 : 3,276,698
453 : 3,243,127
3,249,308
456 : Re.26,013
457 : 3,273,803
458 : 3,244,376
459 : 3,282,511
460 : 3,252,660
468 : 3,237,871
487 : 3,275,248
490 : 3,279,705
500 : 3,231,202
515 : 3,252,661
518 : 3,249,309
523 : 3,275,249
533 : Re.26,016
3,244,377
3,255,974
3,279,706
3,282,512
534 : 3,253,789
3,282,513
545 : 3,269,666
547 : 3,240,434
3,246,854
3,288,378
548 : 3,266,737
550 : 3,270,966
552 : 3,263,933
553.5 : 3,268,176
556 : 3,263,934
559 : 3,236,461
560 : 3,270,967
562 : 3,237,872
569 : 3,253,790
3,273,804
579 : 3,261,557
3,272,442
3,276,699
3,289,949
585 : 3,259,323
3,288,379
588 : 3,235,187
590.3 : 3,273,805
591 : 3,265,314
3,291,397
601 : 3,261,558

Class 240

1 : 3,242,328
.2 : 3,233,088
.2 : 3,250,906
.2 : 3,250,907
.2 : 3,257,552
.2 : 3,265,877
.3 : 3,237,003
.3 : 3,238,363
.3 : 3,240,923
.3 : 3,251,984
.3 : 3,258,585
.3 : 3,258,586
.3 : 3,263,068
.3 : 3,267,272
1.3 : 3,267,273
.3 : 3,280,320
.3 : 3,294,962
.4 : 3,240,925
.4 : 3,255,342
2 : 3,227,866
3,231,730
3,238,364
3,240,926
3,244,868
3,248,530
3,251,985
3,264,461
3,264,462
3,278,738
3,278,739
.1 : 3,246,133
.1 : 3,246,134
.1 : 3,278,740
.13: 3,270,191
.13: 3,280,321
.18: 3,275,814
3 : 3,231,731
3,246,135
3,254,205
3,263,069
3,267,274
3,284,621
3,284,622
.1 : 3,270,192
4.2 : 3,265,878
.2 : 3,268,715
5 : 3,231,732
6.4 : 3,243,586
.4 : 3,268,716
.4 : 3,288,988
.41: 3,294,963
.42: 3,227,867
.42: 3,275,815
.42: 3,281,586
.45: 3,239,658
.45: 3,250,908
.45: 3,293,425
.46: 3,287,547
7.1 : 3,229,081
.1 : 3,229,082
.1 : 3,242,329
.1 : 3,244,869
.1 : 3,278,741
.1 : 3,284,623
.1 : 3,287,548
.5 : 3,253,136
.5 : 3,254,206
.7 : 3,255,343
.7 : 3,270,193
8.1 : 3,287,549
.16: 3,229,083
.2 : 3,227,868
.2 : 3,235,720
.2 : 3,235,721
.2 : 3,237,004
.2 : 3,238,365
.2 : 3,287,550
.22: 3,246,136
.22: 3,275,816
.3 : 3,248,531
.3 : 3,258,588
9 : 3,246,137
3,258,587
3,265,879
3,268,717
3,275,817
.5 : 3,233,089
.5 : 3,239,659
.5 : 3,294,964
10 : 3,244,870
3,248,532
3,253,137
3,271,568
3,272,976
3,275,818
3,277,291
3,278,742
3,283,136
3,286,088
.1 : 3,233,090
.1 : 3,235,722
.1 : 3,242,330
.6 : 3,233,091
.6 : 3,250,909
.6 : 3,258,589
.6 : 3,274,382
.61: 3,283,137
.62: 3,240,924
.63: 3,233,092
.63: 3,250,910
.63: 3,252,733
.64: 3,233,093
.65: 3,250,911
.65: 3,256,428
.65: 3,275,819
.66: 3,244,871
.66: 3,261,972
.66: 3,261,973
10.66: 3,264,463
.66: 3,265,880
.67: 3,264,464
11.2 : 3,227,869
.2 : 3,229,084
.2 : 3,237,005
.2 : 3,253,138
.2 : 3,265,881
.2 : 3,267,275
.2 : 3,272,977
.2 : 3,286,089
.2 : 3,291,975
.4 : 3,242,331
.4 : 3,249,749
.4 : 3,250,912
.4 : 3,265,882
.4 : 3,284,624
.4 : 3,288,989
16 : 3,244,872
20 : 3,270,194
22.18: 3,286,087
25 : 3,231,733
3,233,094
3,249,750
3,253,139
3,257,553
3,261,974
3,264,465
3,264,466
3,265,883
3,267,276
3,278,743
3,283,138
3,283,139
3,283,140
3,284,625
3,284,626
3,293,426
26 : 3,265,884
3,267,277
37 : 3,283,141
.1 : 3,294,965
.1 : 3,294,966
41.1 : 3,287,551
.15: 3,287,552
.3 : 3,247,367
.3 : 3,261,975
.3 : 3,264,467
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.3 : 3,267,279
.3 : 3,268,719
.35: 3,268,718
.35: 3,270,195
.35: 3,291,976
.36: 3,239,660
.36: 3,283,142
.55: 3,249,751
.55: 3,290,496
44.2 : 3,270,196
.26: 3,251,986
46.03: 3,233,095
.31: 3,275,820
.53: 3,237,006
.53: 3,293,427
.55: 3,290,497
.57: 3,259,737
.57: 3,283,143
47 : 3,229,085
3,255,345
3,263,070
3,265,885
3,268,720
3,275,821
3,281,587
49 : 3,278,744
51.11: 3,230,360
.11: 3,233,096
.11: 3,239,661
.11: 3,240,928
.11: 3,246,138
.11: 3,247,368
.11: 3,248,533
.11: 3,263,071
.11: 3,263,072
.11: 3,265,886
.11: 3,265,887
.11: 3,271,569
.11: 3,271,570
.11: 3,275,822
.11: 3,281,588
.11: 3,283,144
52 : 3,280,322
3,287,553
.1 : 3,264,468
53 : 3,242,332
54 : 3,244,873
61.9 : 3,259,738
73 : 3,238,366
3,243,587
3,265,888
3,275,823
3,277,292
3,291,977
78 : 3,247,369
78 : 3,248,534
3,248,535
3,268,721
3,272,978
3,286,090
3,291,978
3,291,979
3,293,428
3,294,967
81 : 3,231,734
3,247,370
3,275,824
3,294,968
90 : 3,280,323
93 : 3,250,913
103 : 3,254,207
3,259,739
106 : 3,234,376
3,249,752
3,251,987
3,258,590
3,259,740
3,270,197
3,274,383
3,275,825
3,288,990
108 : 3,246,139
128 : 3,251,988
3,268,722
3,283,145
144 : 3,281,589
3,281,590
145 : 3,280,324
146 : 3,248,536
3,248,537
147 : 3,254,208
3,264,470
3,288,991

Class 241

1 : 3,248,060
3,260,466
5 : 3,251,557
3,257,080
3,260,467
3,269,667
16 : 3,229,917
3,232,543
3,241,774
3,252,662
17 : 3,259,324
3,282,514
18 : 3,289,950
19 : 3,268,179
20 : 3,259,326
3,273,806
21 : 3,241,775
3,275,250
24 : 3,231,203
3,231,204
3,253,791
3,254,847
3,261,559
3,291,398
25 : 3,257,081
27 : 3,237,873
29 : 3,249,310
30 : 3,248,061
34 : 3,255,975
36 : 3,291,399
37 : 3,292,869
38 : 3,284,010
39 : 3,229,918
3,252,663
3,254,848
3,289,951
40 : Re.25,965
42 : 3,273,807
43 : 3,260,468
44 : 3,275,251
48 : 3,282,515
49 : 3,279,707
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53 : 3,285,523
55 : 3,241,776
3,276,700
60 : 3,236,462
62 : 3,258,209
65 : 3,243,128
3,292,870
70 : 3,294,325
72 : 3,233,835
73 : 3,233,836
74 : 3,235,188
3,251,558
85 : 3,258,210
86 : 3,229,919
97 : 3,243,129
98 : 3,266,738
100.5 : 3,263,935
.5 : 3,286,936
.5 : 3,288,380
101 : 3,240,435
101 : 3,252,664
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105 : 3,286,937
137 : 3,269,668
146 : 3,276,701
153 : 3,272,443
158 : 3,229,920
162 : 3,286,938
172 : 3,291,400
175 : 3,266,739
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176 : 3,272,444
184 : 3,254,849
186 : 3,245,623
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188 : 3,235,189
189 : 3,268,178
190 : 3,229,921
195 : 3,278,126
197 : 3,236,463
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3,272,445
199 : 3,233,837
204 : 3,229,922
208 : 3,227,381
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215 : 3,250,478
3,272,446
3,273,808
230 : 3,240,436
244 : 3,273,809
245 : 3,252,665
251 : 3,240,437
253 : 3,229,923
256 : 3,285,524
257 : 3,260,469
3,289,953
259 : 3,286,940
275 : 3,258,211
290 : 3,273,810
3,276,702
294 : 3,231,205
3,278,127
298 : 3,289,954
299 : 3,235,190
300 : 3,241,777

Class 242

1.1 : 3,227,382
.1 : 3,249,311
.1 : 3,251,559
.1 : 3,253,792
.1 : 3,253,793
.1 : 3,257,082
.1 : 3,270,969
.1 : 3,281,084
.1 : 3,291,401
2 : 3,288,382
4 : 3,239,153
3,291,402
6 : 3,232,544
7 : 3,228,615
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3,229,924
3,232,545
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3,291,403
9 : 3,227,383
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10 : 3,253,794
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13 : 3,231,206
18 : 3,229,925
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3,251,560
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3,279,713

18 : 3,281,086
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3,282,516
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.1 : 3,235,191
.1 : 3,241,779
19 : 3,269,669
25 : 3,231,208
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26.1 : 3,270,972
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.3 : 3,243,131
.4 : 3,231,209
27 : 3,227,384
3,261,561
35.5 : 3,235,192
.5 : 3,236,466
.5 : 3,240,439
.5 : 3,251,561
.5 : 3,279,710
.5 : 3,279,711
.5 : 3,279,712
.5 : 3,291,406
.6 : 3,239,154
.6 : 3,257,083
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.6 : 3,262,648
.6 : 3,265,316
.6 : 3,281,088
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.6 : 3,289,958
.6 : 3,294,326
37 : 3,282,517
3,291,407
39 : 3,251,562
3,259,328
42 : 3,249,312
3,273,812
43 : 3,248,064
3,266,740
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3,294,327
.2 : 3,227,385
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117 : 3,266,748
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Class 243

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6 : 3,265,324
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25 : 3,237,883
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29 : 3,294,343
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35 : 3,266,751

Class 244

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Class 244—Con.

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76 : 3,236,478
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77 : Re.26,064
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3,275,269
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78 : 3,237,893
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79 : 3,239,166
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80 : 3,229,934
83 : 3,228,632
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Class 246

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Class 248

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Class 249

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Class 250

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Class 251

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63 : 3,243,156
69 : 3,259,357
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85 : 3,241,805
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87 : 3,232,577
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88 : 3,265,351

Class 251 – Con.

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Class 252

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114 : 3,247,120
117 : 3,247,121
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132 : 3,284,364
134 : 3,294,692
135 : 3,235,505

135 : 3,247,122
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138 : 3,231,505
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139 : 3,240,713
142 : 3,242,093
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3,268,455
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143 : 3,232,881
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144 : 3,239,467
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146 : 3,231,507
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148 : 3,230,173
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149 : 3,277,011
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151 : 3,248,334
152 : 3,230,174
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153 : 3,267,039
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156 : 3,264,220
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161 : 3,248,335
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170 : 3,251,779
171 : 3,230,175
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172 : 3,282,853
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177 : 3,231,509
178 : 3,256,203
179 : 3,284,366
180 : 3,258,428
182 : 3,239,469
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186 : 3,227,655
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187 : 3,234,141
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.4 : 3,254,031
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.4 : 3,282,855
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.5 : 3,250,722
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308 : 3,244,638
309 : 3,234,143
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311.5 : 3,240,716
312 : 3,291,750
313 : 3,244,639
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316 : 3,238,141
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3,294,702
317 : 3,227,657
3,250,725
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321 : 3,251,782
321 : 3,259,586
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325 : 3,242,097
330 : 3,268,456
344 : 3,259,587
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351 : 3,293,191
353 : 3,294,703
354 : 3,243,382
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356 : 3,277,014
358 : 3,235,509
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359 : 3,238,143
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360 : 3,275,565
361 : 3,238,144
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363.5 : 3,257,331
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364 : 3,284,367
368 : 3,274,119
372 : 3,232,885
376 : 3,262,886
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385 : 3,285,859
386 : 3,231,510
3,231,511
387 : 3,293,189
389 : 3,234,144
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390 : 3,294,705
391 : 3,239,470
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395 : 3,235,510
402 : 3,228,888
404 : 3,265,633
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412 : 3,249,555
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413 : 3,231,513
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3,234,146
3,256,205
414 : 3,231,514
3,265,634
415 : 3,243,084
3,247,128
3,249,556
416 : 3,230,179
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417 : 3,247,129
419 : 3,235,511
420 : 3,258,430
421 : 3,252,919
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426 : 3,248,339
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428 : 3,228,889
3,271,322
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431 : 3,230,180
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432 : 3,248,340
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3,274,121
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438 : 3,288,722
3,294,707
439 : 3,242,100
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441 : 3,230,181
3,232,889
3,238,146
3,260,678
442 : 3,231,517
3,248,342
3,248,343
3,275,568
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3,275,570
3,288,723
443 : 3,260,679
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446 : 3,274,123
447 : 3,265,636
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3,291,753
448 : 3,228,891
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449 : 3,231,518
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451 : 3,267,044
3,274,124
3,275,571
3,277,018
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452 : 3,264,227
453 : 3,238,147
454 : 3,284,369
455 : 3,227,660
3,234,147
3,235,512
3,239,471
3,243,386
3,244,643
3,250,728
3,256,207
3,260,680
3,260,681
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457 : 3,258,431
461 : 3,258,432
3,264,225
462 : 3,231,519
3,284,370
463 : 3,228,892
3,231,520
3,249,557
3,251,783
3,258,433
3,264,228
3,278,453
464 : 3,249,558
3,260,682
3,291,755
465 : 3,227,661
3,228,893
3,230,182
3,236,783
3,240,719
3,242,101
3,245,919
3,264,226
3,265,637
3,272,759
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3,277,019
3,285,860
466 : 3,235,513
3,243,387
3,244,644
3,245,920
3,248,344
3,259,589
3,271,324
3,271,325
3,271,326
3,274,125
466 : 3,280,041
467 : 3,235,514
468 : 3,256,208
3,256,209
472 : 3,235,515
3,271,327
473 : 3,260,683
3,267,045
474 : 3,291,756
477 : 3,255,123
478 : 3,228,894
3,231,521
3,238,148
3,239,472
3,247,130
3,247,131
3,250,729
3,278,454
501 : 3,238,149
3,238,150
502 : 3,284,371
3,284,372
506 : 3,268,457
3,284,373
508 : 3,280,042
510 : 3,249,559
512 : 3,277,020
3,278,455
3,291,758
514 : 3,232,886
3,247,132
3,248,345
516 : 3,291,759
518 : 3,238,151
3,248,346
3,264,229
3,265,638
3,275,572
3,287,284
519 : 3,256,210
3,258,434
521 : 3,231,522

Class 253

2 : Re.25,964
3,268,205
3 : 3,231,237
11 : 3,259,361
18 : 3,259,362
20 : 3,292,899
24 : 3,229,958
3,236,497
3,236,498
3,275,293
26 : 3,236,499
3,239,193
3,245,656
3,246,874
3,253,816
39 : 3,227,418
3,232,580
3,241,813
3,243,158
3,245,657
3,250,512
3,255,994
3,261,587
3,268,206
3,281,115
3,282,561
3,285,566
.1 : 3,233,866
.1 : 3,269,700
.1 : 3,271,004
.1 : 3,275,294
.1 : 3,291,447
.15: 3,240,468
.15: 3,266,770
40 : 3,279,750
52 : 3,228,656
3,252,685
55 : 3,231,238
59 : 3,231,239
3,252,686
3,271,005
3,272,476
3,285,567
69 : 3,233,867
73 : 3,286,982
3,286,983
77 : 3,244,400
3,248,081
3,248,082
3,252,687
3,258,245
3,260,505
3,262,674
3,262,675
3,262,676
3,263,962
3,266,771
3,275,295
3,279,751
77 : 3,281,116
3,282,560
3,290,004
3,291,446
3,292,900
3,294,364
3,294,365
3,294,366
78 : 3,237,918
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3,268,207
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3,269,702
3,269,703
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3,288,434
79 : 3,286,984
86 : 3,228,657
101 : 3,282,562
117 : 3,276,742
3,282,563
3,292,901
121 : 3,236,500
122 : 3,232,581
3,240,469
3,243,159
3,249,333
148 : Re.26,095

Class 254

2 : 3,262,678
3,268,208
3,271,006
3,273,857
3,286,985
6 : 3,286,986
7 : 3,279,752
8 : 3,275,296
3,279,753
9 : 3,250,513
10 : 3,275,297
3,291,448
.5 : 3,237,919
.5 : 3,278,157
18 : 3,249,334
3,276,743
3,290,005
26 : 3,281,117
28 : 3,241,814
3,246,875
29 : 3,227,419
3,285,568
3,285,569
30 : 3,269,704
31 : 3,233,868
3,290,006
43 : 3,259,363
45 : 3,243,161
3,275,298
47 : 3,248,083
3,254,874
51 : 3,232,582
3,232,583
3,260,506
3,265,355
3,284,049
3,286,987
63 : 3,266,772
3,282,564
67 : 3,284,050
74 : 3,261,588
3,285,570
75 : 3,233,869
3,265,356
78 : 3,271,007
86 : 3,236,501
3,240,470
3,241,815
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3,259,364
3,273,858
3,279,754
3,288,435
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88 : 3,294,367
89 : 3,252,688
3,265,357
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92 : 3,282,565
93 : 3,228,658
3,241,816
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95 : 3,259,365
97 : 3,254,875
98 : 3,232,584
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99 : 3,240,471
100 : 3,229,959
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3,259,366
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101 : 3,259,367
103 : 3,244,401
104 : 3,269,706
3,279,757
105 : 3,237,920
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106 : 3,278,158
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109 : 3,273,859
110 : 3,259,368
120 : 3,268,209
122 : 3,228,659
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3,253,817
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3,266,774
3,282,566
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3,292,902
124 : 3,281,118
3,292,903
127 : 3,266,775
131 : 3,235,227
3,275,299
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132 : 3,246,877
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134 : 3,245,659
.3 : 3,235,228
.3 : 3,243,160
.3 : 3,244,402
.3 : 3,255,996
.3 : 3,258,246
.3 : 3,259,370
.3 : 3,260,507
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.4 : 3,246,878
135 : 3,229,960
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137 : 3,266,777
138 : 3,249,335
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139.1 : 3,281,119
144 : 3,263,965
145 : 3,292,904
147 : 3,290,009
148 : 3,284,052
150 : 3,249,336
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3,288,439
156 : 3,250,515
158 : 3,265,358
160 : 3,261,590
161 : 3,240,473
3,290,010
162 : 3,237,922
165 : 3,279,759
166 : 3,278,159
3,292,905
167 : 3,231,240
3,245,660
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3,258,248
3,271,010
3,279,760
3,281,121
168 : 3,260,508
3,285,573
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172 : 3,231,241
3,248,088
3,261,591
3,276,746
3,279,761
3,285,574
3,285,575
3,286,990
3,294,369
173 : 3,240,474
3,259,371
3,265,359

Class 254—Con.

173 : 3,265,360
3,276,747
3,276,748
3,278,160
3,282,568
3,292,906
175.5 : 3,290,011
.7 : 3,227,420
.7 : 3,275,300
183 : 3,278,161
184 : 3,241,817
3,273,860
3,282,569
185 : 3,244,404
3,268,210
3,268,211
3,291,450
3,291,451
186 : 3,235,229
3,244,405
3,265,361
3,265,362
3,272,478
3,291,452
187 : 3,227,421
3,290,012
3,292,907
188 : 3,258,249
3,276,749
189 : 3,243,162
3,273,861
3,278,162
190 : 3,249,337
3,265,363
3,279,762
3,281,122
3,284,053
3,290,013
3,292,908
192 : 3,250,516
3,255,997
3,262,679
3,278,163
194 : 3,275,301

Class 256

1 : 3,227,422
3,291,453
10 : 3,250,517
12.5 : 3,227,423
13:1 : 3,233,870
.1 : 3,258,250
.1 : 3,276,750
.1 : 3,284,054
.1 : 3,288,440
.1 : 3,292,909
19 : 3,239,194
3,265,364
21 : 3,244,406
3,285,576
22 : 3,258,251
24 : 3,246,879
3,278,164
27 : 3,240,475
32 : 3,239,195
34 : 3,285,577
47 : 3,266,778
48 : 3,248,089
57 : 3,246,880
67 : 3,239,196
69 : 3,233,871
73 : 3,273,862
3,290,014

Class 259

1 : 3,229,961
3,235,230
3,236,502
3,249,338
3,255,998
3,260,509
3,278,165
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2 : 3,255,999
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3 : 3,228,660
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4 : Re.26,084
3,232,585
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4 : 3,239,198
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3,259,373
3,260,510
3,261,593
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6 : 3,244,408
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7 : 3,228,662
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3,245,662
3,251,577
3,268,212
3,268,213
3,284,055
8 : 3,227,424
3,231,243
3,236,503
3,243,164
3,245,663
3,251,578
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10 : 3,259,374
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12 : 3,271,011
14 : 3,279,763
18 : 3,249,339
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22 : 3,241,818
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23 : 3,244,409
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29 : 3,229,963
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41 : 3,285,582
43 : 3,227,425
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44 : 3,240,476
46 : 3,251,579
55 : 3,285,583
56 : 3,261,594
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57 : 3,229,964
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61 : 3,246,881
71 : 3,266,782
72 : 3,241,819
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73 : 3,272,479
88 : 3,284,057
89 : 3,291,454
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91 : 3,278,167
95 : 3,229,965
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104 : 3,248,091
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106 : 3,279,765
107 : 3,250,518
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125 : 3,292,912
128 : Re.25,967
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134 : 3,235,233
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154 : 3,249,343
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Class 260—Con.

580 : 3,253,038 3,253,039 3,254,125 3,270,057 3,278,603 3,290,377 3,291,832
581 : 3,231,616 3,272,865 3,278,604
582 : 3,246,035 3,270,058
583 : 3,227,761 3,227,762 3,230,260 3,231,617 3,231,618 3,232,990 3,234,277 3,234,282 3,234,283 3,234,284 3,235,600 3,243,462 3,254,126 3,257,455 3,258,490 3,259,657 3,260,752 3,264,354 3,265,737 3,267,147 3,270,059 3,270,060 3,271,454 3,271,455 3,272,866 3,272,867 3,274,251 3,274,252 3,281,470 3,281,471 3,283,007 3,287,410 3,293,298 3,293,299
584 : 3,231,619 3,236,895 3,239,565 3,251,882 3,253,040 3,255,253 3,268,587 3,291,833
585 : 3,268,588 3,274,253 3,287,411
586 : 3,235,601 3,242,214 3,246,036 3,246,037 3,254,127 3,256,333 3,256,334 3,257,456 3,265,738 3,265,739 3,268,589 3,270,061 3,274,254 3,275,691 3,275,692 3,284,505 3,285,962 3,285,963 3,287,412 3,288,853 3,288,854 3,291,834 3,291,835 3,291,836 3,293,300
587 : 3,238,260 3,238,261 3,293,301
590 : 3,247,253 3,256,335 3,288,855
591 : 3,234,285 3,261,870 3,267,148 3,291,837 3,291,838
592 : 3,234,286 3,242,215 3,244,751 3,256,336 3,256,337 3,288,856
593 : 3,228,985 3,230,261 3,240,811 3,240,812 3,248,428 3,256,338 3,257,457 3,265,740 3,271,456 3,271,457 3,277,176 3,284,506 3,287,413
594 : 3,236,896 3,257,458 3,280,191 3,283,008
596 : 3,235,602 3,258,491 3,259,658
597 : 3,231,620 3,236,897 3,257,459 3,268,590 3,277,177 3,284,507
598 : 3,227,763 3,246,038 3,277,178
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600 : 3,236,898
601 : 3,236,899 3,240,813 3,244,752 3,253,041 3,270,062 3,278,605 3,290,378
602 : 3,284,509
603 : 3,254,128 3,256,339 3,272,868 3,277,179
604 : 3,231,621 3,232,991 3,239,566 3,247,254 3,260,753 3,271,458 3,271,459 3,274,255 3,280,193 3,283,009 3,284,510 3,288,857 3,290,379
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608 : 3,228,988 3,251,884 3,253,042 3,260,755 3,275,693 3,277,180 3,293,304
609 : 3,228,989 3,231,623 3,232,992 3,235,604 3,235,605 3,238,263 3,246,039 3,246,040 3,251,885 3,251,886 3,257,463 3,257,464 3,258,493 3,258,495 3,260,756 3,260,757 3,260,758 3,261,872 3,268,592 3,270,063 3,274,257 3,274,258 3,274,259 3,275,694 3,277,181 3,281,473 3,287,417 3,290,381 3,290,382 3,290,383
610 : 3,230,263 3,230,264 3,247,259 3,254,130 3,256,341 3,258,494 3,259,661 3,288,861 3,290,384
611 : 3,235,606 3,236,900 3,240,816 3,256,342 3,262,980 3,272,870 3,280,196 3,281,474 3,288,862 3,290,385 3,291,841 3,291,842
612 : 3,247,260 3,251,887 3,256,343 3,277,182 3,280,197 3,285,964 3,285,965 3,293,305
613 : 3,240,817 3,244,753 3,254,131 3,265,741 3,267,151 3,274,260 3,278,606 3,281,475 3,287,421 3,290,386 3,294,846
614 : 3,250,813 3,256,344 3,264,356 3,267,156 3,271,461 3,285,966 3,285,967 3,287,418 3,291,843 3,291,844
615 : 3,239,567 3,240,818 3,240,819 3,242,218 3,244,754 3,247,261 3,248,430 3,250,814 3,253,043 3,257,466 3,258,496 3,261,874 3,268,593 3,268,594 3,271,462 3,272,871 3,274,261 3,281,476 3,281,477 3,285,968 3,285,969 3,285,970 3,287,419 3,287,420 3,288,863 3,290,387 3,290,388 3,291,845 3,293,306 3,294,847 3,294,848
617 : 3,227,764 3,236,901 3,250,815 3,254,132 3,255,254 3,272,872 3,278,607 3,278,608 3,280,198 3,280,199 3,285,971
618 : 3,227,765 3,230,265 3,251,888 3,256,345 3,257,465 3,278,609 3,280,200 3,284,511
619 : 3,232,993 3,232,994 3,232,995 3,234,289 3,242,219 3,242,220 3,255,255 3,256,346 3,256,347 3,264,357 3,264,358 3,265,742 3,267,152 3,267,153 3,267,154 3,267,155 3,271,463 3,277,183 3,278,610 3,281,478 3,284,512 3,288,864 3,290,389 3,290,390 3,290,391 3,290,392 3,293,307
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635 : 3,240,822 3,259,662 3,260,759 3,294,849
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646 : 3,240,824 3,248,433 3,253,045 3,267,159 3,272,875
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668 : 3,234,297 3,235,615 3,240,829 3,243,469 3,244,758 3,246,044 3,247,271 3,247,272 3,249,644 3,251,895 3,253,049 3,256,354 3,258,503 3,258,504 3,261,876 3,262,982 3,267,165 3,268,607 3,268,608 3,268,609 3,271,468 3,272,879 3,272,880

668 : 3,272,881 3,272,882 3,272,883 3,274,276 3,275,701 3,278,621 3,278,622 3,281,482 3,284,523 3,291,847 3,293,314
669 : 3,240,830 3,247,273 3,248,441 3,256,355 3,259,666 3,262,983 3,271,469 3,281,487 3,283,023 3,288,871 3,288,872 3,294,856
670 : 3,228,994 3,231,629 3,247,274 3,271,470 3,271,471 3,274,277
671 : 3,230,270 3,238,266 3,238,267 3,238,268 3,239,575 3,242,221 3,247,275 3,248,442 3,248,443 3,248,444 3,251,897 3,253,050 3,255,269 3,260,763 3,265,753 3,267,166 3,274,278 3,275,702 3,275,703 3,277,195 3,277,196 3,284,524 3,290,402 3,291,848 3,293,315
672 : 3,227,769 3,233,002 3,235,616 3,236,904 3,240,831 3,244,759 3,249,645 3,251,898 3,256,356 3,256,357 3,260,764 3,260,765 3,268,610 3,277,197 3,281,483 3,284,525 3,284,526 3,284,527 3,287,431 3,288,873 3,288,874 3,288,875 3,288,876 3,291,849 3,291,850
673 : 3,244,760 3,247,276 3,275,704 3,277,198
.5 : 3,240,832
.5 : 3,283,024
.5 : 3,285,985
674 : 3,230,271 3,244,761 3,244,762 3,261,877 3,265,754 3,265,755 3,270,073 3,270,074 3,274,279 3,277,199 3,277,200 3,277,201 3,280,206 3,284,528 3,285,986 3,291,851 3,294,857
675 : 3,272,884 3,285,987
.5 : 3,264,362
.5 : 3,270,075
.5 : 3,278,623
.5 : 3,280,207
676 : 3,228,995 3,231,630 3,231,631 3,233,003 3,240,833 3,240,837 3,242,222 3,277,202 3,278,624 3,281,484 3,287,432 3,291,852
677 : 3,227,770 3,231,632 3,233,004 3,234,298 3,234,299 3,238,269 3,240,834 3,240,835 3,243,470 3,243,471 3,244,763 3,247,277 3,249,646 3,250,820 3,254,135 3,257,473 3,260,766 3,262,984 3,265,756 3,265,757 3,267,167 3,272,885 3,272,886 3,274,280 3,274,281 3,274,282 3,277,203 3,277,204 3,277,205 3,280,208 3,281,485 3,283,025 3,284,529 3,284,530 3,284,531 3,285,988 3,287,433 3,291,853
678 : 3,235,617 3,235,618 3,268,596 3,270,076 3,281,486
679 : 3,227,771 3,233,005 3,234,300 3,236,905 3,236,906 3,240,836 3,242,223 3,242,224 3,242,225 3,244,764 3,244,765 3,248,445 3,248,446 3,248,447 3,255,270 3,256,358 3,270,077 3,270,078 3,283,026 3,287,434 3,287,435
680 : 3,233,006 3,238,270 3,243,472 3,249,647 3,250,821 3,251,899 3,251,900 3,254,136 3,257,474 3,260,767 3,260,768 3,265,758 3,268,611 3,268,612 3,270,079 3,270,080 3,274,283 3,274,284 3,274,285 3,277,206 3,277,207 3,278,625 3,278,626 3,281,488 3,284,532 3,287,436 3,287,437 3,287,438 3,288,877 3,291,854
681 : 3,235,619 3,236,907 3,246,045 3,253,051 3,255,271 3,270,081 3,270,082 3,280,209 3,284,533 3,284,534 3,290,403
.5 : 3,242,226
.5 : 3,242,227
.5 : 3,264,363
.5 : 3,267,168
.5 : 3,268,613
.5 : 3,268,614
.5 : 3,270,083
.5 : 3,274,286
.5 : 3,281,489
.5 : 3,285,989
.5 : 3,293,316
682 : 3,244,766 3,260,769 3,267,169 3,283,027
683 : 3,238,271 3,251,892 3,261,878 3,261,879 3,264,364 3,268,615 3,271,472 3,283,028 3,294,858
.15: 3,227,773
.15: 3,236,911
.15: 3,239,576
.15: 3,240,839
.15: 3,243,473
.15: 3,244,767
.15: 3,244,768
.15: 3,246,046
.15: 3,249,648
.15: 3,251,901
.15: 3,253,052
.15: 3,255,272
.15: 3,255,273
.15: 3,256,359
.15: 3,259,667
.15: 3,259,668
.15: 3,260,770
.15: 3,264,366
.15: 3,264,367
.15: 3,265,759
.15: 3,268,618
.15: 3,271,473
.15: 3,271,474
.15: 3,271,475
.15: 3,275,706
.15: 3,275,707
.15: 3,278,632
.15: 3,278,633
.15: 3,278,634
.15: 3,294,860
.2 : 3,236,908
.2 : 3,236,909
.2 : 3,240,838
.2 : 3,248,448
.2 : 3,248,449
.2 : 3,248,450
.2 : 3,268,616
.2 : 3,268,617
.2 : 3,270,084
.2 : 3,270,085
.2 : 3,272,887
.2 : 3,281,490
.2 : 3,284,535
.2 : 3,290,404
.2 : 3,290,405
.2 : 3,293,317
.2 : 3,294,859
.3 : 3,230,272
.3 : 3,236,910
.3 : 3,247,278
.3 : 3,248,451
.3 : 3,258,505
.3 : 3,264,365
.3 : 3,267,170
.3 : 3,267,171
.3 : 3,270,086
.3 : 3,274,287
.3 : 3,275,705
.3 : 3,278,627
.3 : 3,278,628
.3 : 3,278,629
.3 : 3,278,630
683.3 : 3,278,631
.3 : 3,280,210
.3 : 3,284,536
.3 : 3,288,878
.3 : 3,290,406
.3 : 3,290,407
.3 : 3,291,855
.3 : 3,293,318
.3 : 3,293,319
.43: 3,253,053
.43: 3,259,669
.43: 3,272,888
.45: 3,236,912
.46: 3,243,474
.47: 3,239,577
.47: 3,240,840
.48: 3,233,007
.48: 3,239,578
.48: 3,246,047
.48: 3,249,649
.48: 3,249,650
.48: 3,253,054
.48: 3,254,137
.48: 3,280,211
.49: 3,250,822
.51: 3,231,633
.58: 3,284,537
.59: 3,293,320
.62: Re.26,060
.62: 3,227,774
.62: 3,227,775
.62: 3,234,301
.62: 3,244,769
.62: 3,256,360
.64: 3,251,902
.65: 3,233,008
.65: 3,238,272
.65: 3,248,452
.65: 3,280,212
.68: 3,242,228
.68: 3,242,229
.68: 3,287,439
.7 : 3,227,772
.7 : 3,285,990
.74: 3,227,776
.74: 3,280,213
.75: 3,253,055
.9 : 3,270,087
.9 : 3,283,029
687 : 3,247,279 3,248,453
736 : 3,261,880
771 : 3,230,273
805 : 3,293,321
807 : 3,253,056
823 : 3,272,889 3,278,635
824 : 3,243,475 3,246,048 3,247,280
825 : 3,247,281 3,274,288 3,280,214
826 : 3,261,881
827 : 3,227,777 3,239,579 3,247,282 3,288,879 3,294,861
828 : 3,262,986 3,288,880
829 : 3,246,049 3,280,215 3,294,862
830 : 3,235,620 3,238,273 3,239,580 3,261,882 3,267,172 3,275,708 3,281,491 3,281,492 3,288,881 3,294,863
831 : 3,264,369 3,268,619 3,280,216 3,281,493 3,285,991 3,291,856
832 : 3,281,494
834 : 3,249,651 3,264,370 3,268,620
835 : 3,247,283 3,262,987 3,271,476 3,278,636 3,281,495 3,288,766
836 : Re.26,018 3,240,841 3,247,284 3,247,285 3,262,988 3,265,760 3,288,882 3,288,883 3,290,408 3,291,857 3,294,864
837 : 3,247,286 3,247,287 3,247,288 3,277,208 3,288,884 3,293,322 3,294,865
838 : 3,256,361 3,278,637 3,284,538
841 : 3,242,230 3,259,670 3,261,883 3,261,884
842 : 3,244,770 3,283,030 3,291,858
844 : 3,280,217
845 : 3,255,274 3,277,209 3,281,496 3,294,866
846 : 3,287,440 3,293,323
848 : 3,256,368 3,267,174
850 : 3,257,475 3,278,638 3,293,324
851 : 3,270,088 3,293,325
855 : 3,235,621
856 : 3,235,622 3,236,913
857 : 3,228,996 3,230,274 3,235,623 3,235,624 3,236,914 3,243,476 3,243,477 3,243,478 3,243,479 3,250,823 3,261,885 3,262,989 3,264,371 3,267,175 3,274,289 3,278,639 3,285,992 3,285,993 3,287,441 3,288,885
858 : 3,240,842 3,244,771 3,248,454 3,265,761 3,284,539 3,287,442
859 : 3,227,778 3,257,476 3,283,031 3,291,859
860 : 3,228,997 3,249,652 3,265,762 3,274,290 3,278,640 3,290,409
861 : 3,227,779 3,227,780 3,244,772 3,249,653 3,262,990 3,268,621 3,275,709 3,285,994
862 : 3,231,634 3,256,362 3,261,886 3,267,176 3,290,410
863 : 3,238,274 3,239,581 3,274,291 3,275,710 3,275,711 3,281,497
864 : 3,236,915
865 : 3,267,177 3,285,995
866 : 3,260,771 3,291,860
867 : 3,274,292 3,283,032
868 : 3,294,867
869 : 3,236,916 3,243,480 3,250,824 3,251,903 3,270,089 3,274,293 3,284,540
872 : 3,257,477 3,264,372 3,265,763 3,265,764
873 : 3,230,275 3,235,625 3,239,582 3,256,363 3,262,991 3,268,622 3,274,294 3,281,498 3,290,411 3,290,412
874 : 3,249,654 3,280,218 3,281,499 3,290,413
875 : 3,233,009
876 : 3,234,303 3,251,904 3,258,506 3,260,772 3,261,887 3,262,992 3,264,373 3,265,765 3,268,623 3,275,712 3,280,219 3,287,443 3,288,886 3,291,861 3,294,868
877 : 3,242,231 3,253,057 3,261,888 3,270,090 3,271,477
878 : 3,230,276 3,236,917 3,242,232 3,267,173 3,268,624 3,277,210 3,278,641 3,283,033 3,284,541 3,285,996 3,290,414 3,290,415 3,293,326 3,294,869
879 : 3,240,843 3,248,455 3,251,905 3,262,993 3,274,295 3,287,444
880 : 3,230,277 3,231,635 3,234,302 3,238,275 3,243,481 3,246,050 3,248,456 3,262,994 3,264,374 3,264,375 3,265,766 3,267,178 3,267,180 3,268,625 3,278,642 3,284,542 3,285,997 3,288,887
881 : 3,235,626 3,242,233 3,249,655 3,251,906 3,253,058 3,262,995 3,287,445
883 : 3,254,138 3,265,767 3,274,296
884 : 3,247,289 3,274,297 3,275,713 3,275,714
885 : 3,247,174 3,249,656 3,264,376 3,265,768 3,281,500
887 : 3,262,996 3,284,543
889 : 3,262,997 3,265,769 3,265,770 3,275,715
891 : 3,268,626 3,283,034
893 : 3,284,544 3,294,870
894 : 3,240,844 3,244,773 3,278,644
895 : 3,255,275 3,256,364 3,272,891
897 : 3,227,781 3,231,636 3,236,918 3,242,234 3,244,774 3,247,290 3,250,825 3,253,059 3,254,139 3,254,140 3,255,276 3,256,365 3,256,366 3,256,367 3,261,889 3,264,377 3,265,771 3,268,627 3,278,645 3,278,646 3,280,220 3,281,501 3,283,035 3,283,036 3,291,862 3,291,863
898 : 3,238,276 3,265,772 3,271,478 3,274,298 3,287,446 3,288,888
899 : 3,247,291 3,267,179 3,275,716 3,284,545 3,287,447
900 : 3,253,060 3,291,864 3,294,871
901 : 3,257,478 3,271,479 3,290,416 3,290,417
920 : 3,281,502 3,285,998
923 : 3,280,221
924 : 3,254,141
925 : 3,238,277
926 : 3,231,637 3,235,627 3,242,235
927 : 3,234,304 3,246,051 3,262,998 3,262,999 3,280,222 3,280,223 3,283,037 3,291,865 3,294,872
928 : 3,228,998 3,233,010 3,234,305 3,254,142 3,277,211
929 : 3,236,919 3,263,000 3,263,001 3,263,002 3,294,873
930 : 3,244,775
931 : 3,271,480
932 : 3,248,457 3,257,479 3,270,091 3,277,212
933 : 3,280,224
935 : 3,248,458 3,281,503
936 : 3,285,999 3,293,327
937 : 3,257,480 3,270,092 3,270,093 3,287,448
938 : 3,242,498
940 : 3,228,999 3,248,459

Class 260 – Con.

940 : 3,250,826
3,278,647
3,280,225
3,281,504
3,286,000
941 : 3,264,378
3,278,648
3,284,546
3,284,547
942 : 3,278,649
3,278,650
3,278,651
3,278,652
3,280,226
3,283,038
943 : 3,229,000
3,265,773
3,267,181
3,277,214
944 : 3,270,094
3,278,653
3,293,328
3,293,329
945 : 3,291,866
947 : 3,286,001
3,286,002
948 : 3,229,001
3,235,628
3,268,628
3,277,215
3,277,216
3,294,874
949 : 3,260,712
3,294,875
950 : 3,243,482
951 : 3,246,052
3,274,299
3,280,227
953 : 3,263,003
3,265,681
3,265,774
3,281,505
3,291,867
954 : 3,234,306
955 : 3,270,095
3,288,889
3,288,890
956 : 3,268,629
960 : 3,271,481
3,281,506
961 : 3,250,827
3,259,671
963 : 3,236,920
3,250,828
3,258,507
3,275,717
964 : 3,275,718
968 : 3,268,630
3,281,507
969 : 3,251,907
970 : 3,242,236
971 : 3,228,925
3,288,891
972 : 3,256,370
3,294,876
976 : 3,270,096
3,287,449
978 : 3,284,548
981 : 3,274,300
982 : 3,261,890
3,272,892
985 : 3,277,217
990 : 3,235,629

Class 261

1 : 3,266,783
3,269,710
3,282,571
3 : 3,228,665
3,261,595
3,265,370
3,266,784
7 : 3,278,169
16 : 3,237,926
18 : 3,286,997
19 : 3,273,866
20 : 3,227,427
23 : 3,232,587
3,233,878
3,243,166
3,259,376
3,272,482
3,272,483
3,279,767
3,282,572
3,284,060
3,290,019
3,294,374
3,294,375
24 : 3,231,247
3,235,234
24 : 3,272,484
25 : 3,253,819
27 : 3,253,820
3,265,371
3,286,998
28 : 3,281,127
3,282,573
29 : 3,235,235
3,246,885
3,253,821
3,262,682
3,273,867
3,278,170
3,279,768
3,282,574
3,290,020
3,290,021
3,290,022
3,294,376
30 : 3,265,372
3,286,999
34 : 3,251,585
3,269,711
3,275,305
3,281,128
3,281,129
3,290,023
35 : 3,253,822
3,272,485
3,275,306
3,279,769
36 : 3,258,254
3,275,307
3,279,770
3,282,575
3,288,445
39 : 3,227,428
3,228,666
3,231,248
3,237,927
3,246,886
3,248,094
3,248,095
3,248,096
3,249,344
3,249,345
3,259,377
3,262,683
3,263,972
3,263,973
3,263,974
3,272,486
3,272,487
3,272,488
3,273,868
3,278,171
3,279,771
3,281,130
3,284,061
3,284,062
3,285,585
3,291,461
3,291,462
3,294,377
40 : 3,273,869
41 : 3,231,249
3,231,250
3,235,236
3,235,237
3,254,880
3,265,373
3,266,785
3,269,712
3,269,713
3,273,870
3,288,446
42 : 3,236,505
3,278,172
43 : 3,271,014
3,273,871
44 : 3,243,167
46 : 3,243,168
50 : 3,232,588
3,236,506
3,248,097
3,249,346
3,259,378
3,259,379
3,265,374
3,265,375
3,278,173
3,281,131
3,281,132
3,284,063
62 : 3,284,064
64 : 3,239,200
65 : 3,245,666
3,284,065
69 : 3,235,238
3,241,822
3,245,667
3,268,216
3,288,447
70 : 3,263,975
70 : 3,284,066
74 : 3,243,169
3,287,000
76 : 3,251,586
78 : 3,228,667
3,275,308
3,287,001
79 : 3,233,879
80 : 3,252,691
83 : 3,233,880
3,256,001
84 : 3,284,067
88 : 3,290,024
91 : 3,278,174
92 : 3,229,966
3,266,786
3,285,586
3,287,002
3,294,378
93 : 3,250,519
94 : 3,243,170
3,245,668
3,266,787
3,287,003
95 : 3,232,589
96 : 3,273,872
3,285,587
97 : 3,232,590
3,243,171
3,259,380
3,281,133
3,284,068
98 : 3,263,976
99 : 3,278,175
100 : 3,291,463
104 : 3,276,754
3,279,772
109 : 3,233,881
110 : 3,268,217
112 : 3,227,429
3,260,511
3,263,977
114 : 3,231,251
3,245,669
3,246,887
3,262,684
3,282,576
3,287,004
3,294,379
115 : 3,248,098
118 : 3,233,882
121 : 3,294,380
122 : 3,245,670
3,279,773
123 : 3,231,252
130 : 3,285,588
140 : 3,290,025
141 : 3,249,347
142 : 3,291,464
145 : 3,294,381
149 : 3,292,913
151 : 3,284,435
152 : 3,288,448
157 : 3,262,685

Class 262

640.87: 3,235,637

Class 263

1 : 3,271,015
3 : 3,256,002
3,269,714
3,271,016
3,290,026
6 : 3,228,668
3,236,507
3,248,099
3,254,881
3,259,381
3,279,774
3,291,465
3,291,466
3,294,382
7 : 3,271,017
8 : 3,261,596
10 : 3,285,589
15 : 3,260,512
3,284,069
19 : 3,233,883
3,236,508
3,240,478
3,241,823
3,256,003
3,261,597
3,263,978
3,263,979
3,265,376
3,269,715
3,284,070
21 : 3,236,509
3,250,520
3,250,521
21 : 3,257,103
3,262,686
3,263,980
3,263,981
3,266,788
3,282,577
26 : 3,273,873
28 : 3,260,513
3,265,377
3,288,449
29 : 3,250,522
3,253,823
3,262,687
3,266,789
3,284,071
3,285,590
30 : 3,260,514
32 : 3,235,239
3,243,172
3,254,882
3,276,755
3,279,775
3,284,072
3,288,450
33 : 3,227,430
3,232,591
3,232,592
3,251,587
3,257,104
3,271,018
3,273,874
3,281,134
3,285,591
3,290,027
3,290,028
3,291,467
3,294,383
3,294,384
36 : 3,285,592
40 : 3,244,412
3,249,348
3,252,692
3,276,756
3,282,578
3,287,005
3,288,451
41 : 3,240,479
43 : 3,232,593
44 : 3,290,029
46 : 3,256,004
3,279,776
3,282,579
3,282,580
48 : 3,227,431
50 : 3,285,593
51 : 3,235,240
52 : 3,227,782
3,258,508
3,270,097
53 : 3,265,775
3,280,228
3,281,508
3,293,330

Class 264

.5 : 3,227,783
.5 : 3,230,278
.5 : 3,230,279
.5 : 3,230,280
.5 : 3,231,638
.5 : 3,236,921
.5 : 3,236,922
.5 : 3,255,277
.5 : 3,255,278
.5 : 3,255,279
.5 : 3,263,004
.5 : 3,264,379
.5 : 3,270,098
.5 : 3,278,655
.5 : 3,284,549
.5 : 3,284,550
.5 : 3,291,869
.5 : 3,291,870
.5 : 3,293,332
.5 : 3,294,877
1 : 3,235,630
3,244,776
3,248,460
3,251,908
3,255,280
3,263,005
3,265,776
3,270,099
3,274,301
3,278,654
3,291,871
3,293,331
3,294,878
2 : 3,235,631
3,265,777
3,291,868
3 : 3,230,281
3,239,583
3 : 3,246,053
3,250,829
3,255,281
3,256,371
3,261,891
3,265,778
3,267,182
4 : 3,270,100
5 : 3,265,779
8 : 3,249,657
3,255,282
3,263,006
3,272,893
9 : 3,230,282
3,250,830
10 : 3,280,229
12 : 3,231,639
3,260,773
3,283,039
3,293,333
3,293,334
13 : 3,231,640
3,231,641
3,233,011
3,242,237
3,247,292
3,287,472
3,288,892
14 : 3,234,307
3,268,631
15 : 3,229,002
3,271,482
16 : 3,247,293
17 : 3,251,909
3,251,910
3,258,509
3,288,893
19 : 3,229,003
22 : 3,236,923
3,246,054
3,270,101
3,271,483
3,274,302
3,280,230
23 : 3,233,012
3,246,055
24 : 3,250,831
3,274,303
3,278,656
25 : 3,231,642
3,231,643
3,235,632
3,249,658
3,251,911
3,268,632
3,271,484
3,284,551
3,287,473
3,287,474
3,288,894
26 : 3,233,013
3,242,238
3,253,064
3,265,780
3,271,485
3,294,879
27 : 3,250,832
3,265,781
3,268,633
3,270,102
3,274,304
3,281,509
28 : 3,256,372
3,260,774
29 : 3,233,014
3,246,056
3,254,143
3,255,283
3,261,892
3,280,231
3,283,040
3,286,003
3,291,872
3,294,880
30 : 3,233,015
3,258,510
3,259,672
3,267,183
31 : 3,229,004
3,274,305
3,293,335
32 : 3,265,782
33 : 3,275,719
34 : 3,231,644
3,238,278
3,274,306
3,287,475
35 : 3,236,924
3,246,057
36 : 3,242,239
3,268,634
3,272,894
3,287,476
37 : 3,274,307
37 : 3,293,336
38 : 3,278,657
40 : 3,261,893
3,274,308
3,277,218
3,283,041
3,288,895
41 : 3,268,635
42 : 3,236,925
3,247,294
3,254,144
3,274,309
43 : 3,250,833
3,261,894
3,264,380
3,274,310
45 : 3,235,633
3,239,584
3,240,845
3,242,240
3,243,483
3,248,461
3,251,912
3,256,373
3,257,481
3,257,482
3,257,483
3,258,511
3,258,512
3,259,673
3,261,895
3,264,381
3,265,783
3,265,784
3,265,785
3,270,103
3,271,486
3,277,219
3,277,220
3,286,004
3,288,896
3,293,337
46 : 3,264,382
47 : 3,229,005
3,236,926
3,240,846
3,246,058
3,249,659
3,253,065
3,257,484
3,281,510
48 : 3,243,484
3,246,059
3,275,720
49 : 3,235,634
3,281,511
3,283,042
51 : 3,236,927
3,243,485
3,249,660
3,253,066
3,268,636
3,278,658
53 : 3,227,784
3,233,016
3,248,462
3,250,834
3,259,674
3,277,221
3,287,477
54 : 3,247,295
3,249,661
3,265,786
3,278,659
3,283,043
3,291,873
3,293,338
56 : 3,235,635
3,265,787
3,278,660
57 : 3,249,662
58 : 3,268,637
3,283,044
59 : 3,242,241
60 : 3,263,007
3,275,721
62 : 3,230,283
3,246,060
3,272,895
63 : 3,233,017
3,234,308
3,253,067
3,274,311
3,277,222
3,287,478
64 : 3,271,487
65 : 3,261,896
3,275,722
66 : 3,249,663
68 : 3,278,661
69 : 3,233,018
3,244,777
3,268,638
3,270,116
70 : 3,275,723
3,284,552
3,285,442
71 : 3,227,785
3,240,847
3,242,242
3,250,835
3,280,232
73 : 3,230,284
3,231,645
3,253,068
77 : 3,278,662
78 : 3,233,019
3,242,243
3,247,296
3,251,913
3,268,639
3,274,312
3,288,897
3,293,339
3,293,340
81 : 3,271,488
82 : 3,238,279
3,247,297
3,250,836
3,275,724
83 : 3,242,244
84 : 3,230,285
3,239,585
86 : 3,231,646
87 : 3,235,636
88 : 3,249,664
89 : 3,242,245
3,244,778
3,244,779
3,244,780
3,274,313
3,280,233
3,280,234
3,283,045
3,284,553
3,291,874
90 : 3,231,647
3,235,638
3,253,069
3,263,008
92 : 3,235,639
3,270,104
3,271,490
3,274,314
3,283,046
3,290,418
3,294,881
93 : 3,234,310
3,271,064
3,274,315
3,291,875
94 : 3,249,665
3,251,914
3,251,915
3,260,775
3,265,788
3,271,489
3,274,316
3,293,341
95 : 3,227,786
3,234,309
3,243,486
3,244,781
3,246,061
3,248,463
3,255,284
3,260,776
3,264,383
3,264,384
3,265,789
3,265,790
3,268,640
3,274,317
3,275,725
3,278,663
3,280,235
3,286,005
3,291,876
3,294,882
96 : 3,248,464
97 : 3,267,184
3,268,641
3,277,223
3,280,236
3,294,883
98 : 3,227,787
3,229,006
3,246,062
3,257,485
3,263,009
3,267,186
3,272,896
3,275,726
3,278,664
3,278,665
3,278,666
3,283,047
3,288,898

99 : 3,229,007
3,267,185
3,294,884
3,294,885
100 : 3,233,020
3,291,877
101 : 3,250,837
102 : 3,235,640
3,240,848
3,271,491
3,288,899
103 : 3,238,280
3,249,666
3,259,675
3,290,419
104 : 3,264,385
3,274,318
107 : 3,247,298
3,264,386
108 : 3,240,849
3,253,070
109 : 3,233,021
3,238,281
3,255,285
3,255,286
3,256,374
3,261,897
3,272,897
3,280,237
111 : 3,231,648
3,231,649
3,244,782
3,250,838
112 : 3,227,788
3,244,783
3,246,063
3,256,375
3,258,513
113 : 3,246,064
3,248,465
3,283,048
3,286,006
117 : 3,227,789
3,227,790
119 : 3,249,667
3,250,839
3,272,898
3,281,512
3,286,007
120 : 3,230,286
3,230,287
3,268,642
121 : 3,283,049
122 : 3,229,008
3,229,009
3,261,898
3,267,187
3,267,188
3,271,492
3,287,479
3,287,480
123 : 3,233,022
3,239,586
3,259,676
3,261,899
3,264,387
125 : 3,240,850
3,258,514
3,264,388
126 : 3,259,677
3,263,010
3,272,899
3,274,319
3,286,008
127 : 3,234,311
3,242,246
128 : 3,231,650
3,251,916
129 : 3,253,071
3,257,486
3,265,791
3,265,792
3,267,189
3,286,009
130 : 3,246,065
131 : 3,264,389
132 : 3,246,066
3,259,678
134 : 3,251,917
135 : 3,251,918
3,272,900
3,274,320
136 : 3,229,010
137 : 3,244,784
3,267,190
3,283,050
3,291,878
139 : 3,270,105
3,287,481
140 : 3,261,900
141 : 3,265,793
143 : 3,270,106
3,271,493
146 : 3,231,651
146 : 3,275,727
147 : 3,249,668
3,253,072
3,270,107
148 : 3,283,051
149 : 3,288,900
150 : 3,275,728
3,287,482
151 : 3,227,791
3,256,376
153 : 3,240,851
3,263,011
156 : 3,281,513
157 : 3,254,145
3,265,795
3,293,342
158 : 3,247,299
159 : 3,238,282
160 : 3,229,011
3,277,224
161 : 3,281,514
3,287,483
162 : 3,270,108
3,275,729
163 : 3,239,587
3,280,238
166 : 3,267,191
3,294,886
167 : 3,255,287
3,291,879
168 : 3,233,023
3,247,300
171 : 3,244,785
3,248,466
3,264,390
3,278,667
173 : 3,233,024
174 : 3,229,012
3,253,073
3,264,391
3,275,730
3,277,225
175 : 3,250,840
176 : 3,230,288
3,233,025
3,244,786
3,257,487
3,275,731
3,280,239
3,291,880
177 : 3,249,669
3,250,841
3,258,515
3,272,901
178 : 3,233,026
3,235,641
3,270,109
179 : 3,284,554
181 : 3,240,852
182 : 3,235,642
3,284,555
184 : 3,271,494
189 : 3,274,321
198 : 3,277,226
203 : 3,227,792
3,227,793
3,246,067
3,253,074
3,267,192
205 : 3,227,794
209 : 3,231,652
3,231,653
3,234,312
3,239,588
3,249,670
3,249,671
3,256,377
3,258,516
210 : 3,238,283
3,254,146
3,271,495
3,290,420
213 : 3,274,322
216 : 3,230,289
3,238,284
3,240,853
3,277,227
219 : 3,249,672
3,261,901
3,267,193
3,270,110
3,278,668
3,290,421
221 : 3,265,796
3,284,556
223 : 3,227,795
3,244,787
225 : 3,247,301
228 : 3,233,027
229 : 3,229,013
3,294,887
230 : 3,234,313
3,255,288
231 : 3,264,392
231 : 3,270,111
232 : 3,271,496
234 : 3,263,012
235 : 3,265,797
236 : 3,240,854
3,264,393
3,281,515
238 : 3,284,557
242 : 3,239,589
3,254,147
3,259,679
3,263,013
3,280,240
3,286,010
244 : 3,246,068
3,270,112
3,272,902
3,272,903
3,284,558
245 : 3,270,113
3,287,484
248 : 3,243,487
3,247,302
3,283,052
3,294,888
249 : 3,247,303
3,265,794
250 : 3,229,014
3,284,559
251 : 3,251,919
252 : 3,238,285
253 : 3,271,497
255 : 3,239,590
3,246,069
3,265,798
3,294,889
256 : 3,227,796
259 : 3,248,467
3,268,643
3,290,422
261 : 3,231,654
3,263,014
3,271,498
3,271,499
262 : 3,260,777
3,265,799
263 : 3,264,394
3,270,114
3,278,669
3,287,485
266 : 3,268,644
3,291,881
267 : 3,244,788
3,256,378
3,288,901
268 : 3,235,643
269 : 3,244,302
3,271,500
270 : 3,253,075
271 : 3,234,314
272 : 3,233,028
3,238,286
3,248,468
3,261,902
3,264,395
3,268,645
3,294,890
275 : 3,259,680
3,272,904
276 : 3,238,287
277 : 3,283,053
282 : 3,260,778
284 : 3,243,488
285 : 3,268,646
3,281,516
288 : 3,233,029
3,235,644
3,254,148
3,257,488
289 : 3,256,379
3,257,489
3,257,490
3,261,903
290 : 3,229,015
3,242,248
3,259,681
3,275,732
3,277,228
3,280,241
291 : 3,251,920
3,293,343
292 : 3,284,560
293 : 3,260,779
294 : 3,290,423
296 : 3,243,489
300 : 3,288,902
3,291,882
302 : 3,293,344
303 : 3,268,647
306 : 3,286,011
308 : 3,231,655
3,274,323
310 : 3,234,315
3,275,733
311 : 3,242,249
312 : 3,259,682
313 : 3,229,016
3,260,780
314 : 3,239,591
316 : 3,235,645
3,255,289
3,275,734
319 : 3,271,501
320 : 3,230,290
3,270,117
3,271,502
321 : 3,240,855
3,260,781
322 : 3,271,503
323 : 3,236,928
325 : 3,287,486
328 : 3,231,656
3,236,929
3,243,490
3,247,304
3,264,396
3,265,800
3,270,115
329 : 3,267,194
3,288,903
3,291,883
330 : 3,243,491
331 : 3,257,491
333 : 3,231,657
334 : 3,260,782
3,293,345
337 : 3,244,789
344 : 3,283,054
346 : 3,243,492
347 : 3,271,504
349 : 3,248,469

Class 266

1 : 3,232,594
3,236,510
2 : 3,237,928
3,262,688
.5 : 3,235,241
3 : 3,239,201
3,252,693
3,284,073
3,291,468
4 : 3,233,884
3,240,480
3,245,671
3,271,019
3,272,489
3,288,452
5 : 3,229,967
3,245,672
3,252,694
3,258,255
3,265,378
3,268,218
3,275,309
3,284,074
3,290,030
6 : 3,229,968
3,239,202
3,251,588
3,252,695
3,291,469
9 : 3,228,669
3,292,914
11 : 3,235,242
3,287,006
3,290,031
12 : 3,239,203
13 : 3,231,253
3,257,105
3,271,020
3,284,075
19 : 3,268,219
3,279,777
3,294,385
20 : 3,228,670
3,241,824
23 : 3,227,432
3,228,671
3,249,349
3,262,689
3,265,379
3,290,032
3,291,470
24 : 3,227,433
3,243,173
3,243,174
3,245,673
3,271,021
3,282,581
3,290,033
25 : 3,232,595
27 : 3,275,310
28 : 3,246,888
29 : 3,229,969
3,231,254
30 : 3,276,757
30 : 3,281,135
33 : 3,237,929
3,237,930
3,276,758
34 : 3,235,243
3,236,511
3,239,204
3,240,481
3,241,825
3,246,889
3,258,256
3,276,759
3,281,136
3,291,471
3,292,915
35 : 3,239,205
3,258,257
3,262,690
3,262,691
3,269,716
3,272,490
3,281,137
36 : 3,227,434
3,239,206
3,251,589
3,257,106
3,288,453
3,294,386
38 : 3,291,472
3,291,473
39 : 3,245,674
3,292,916
42 : 3,262,692
43 : 3,229,970
3,250,523

Class 267

1 : 3,227,435
3,228,672
3,229,971
3,231,255
3,231,256
3,232,596
3,233,885
3,233,886
3,235,244
3,236,512
3,236,513
3,239,207
3,241,826
3,244,413
3,244,414
3,246,890
3,250,524
3,250,525
3,251,590
3,252,696
3,252,697
3,252,698
3,254,883
3,254,884
3,254,885
3,259,382
3,259,383
3,260,515
3,261,598
3,263,982
3,265,380
3,266,790
3,266,791
3,268,220
3,269,717
3,272,491
3,272,492
3,275,311
3,276,760
3,276,761
3,276,762
3,276,763
3,278,176
3,279,778
3,279,779
3,279,780
3,279,781
3,281,138
3,282,582
3,284,076
3,287,007
3,288,454
3,288,455
3,290,034
3,291,474
3,292,917
3,294,387
3,294,388
3,294,389
3 : 3,231,257
3,262,693
4 : 3,276,764
8 : 3,232,597
3,251,591
3,263,983
3,272,493
8 : 3,273,875
3,275,312
3,290,035
9 : 3,232,598
3,285,594
11 : 3,236,514
3,258,258
3,273,876
3,275,313
3,292,918
15 : 3,290,036
19 : 3,285,595
31 : 3,231,258
3,294,390
33 : 3,279,782
45 : 3,288,456
47 : 3,281,139
48 : 3,227,436
3,288,457
57 : 3,243,175
.1 : 3,228,673
58 : 3,263,984
63 : 3,263,985
64 : 3,232,599
3,237,931
3,248,100
3,250,526
3,256,005
3,256,006
3,263,986
3,265,381
3,266,792
3,269,718
3,272,494
3,272,495
3,275,314
3,285,596
3,287,008
3,290,037
3,290,038
3,291,475
3,292,919
3,294,391
65 : 3,228,674
3,257,107
66 : 3,256,007
70 : 3,250,527
71 : 3,236,515
74 : 3,272,496
89 : 3,258,259
3,273,877
102 : 3,240,482
3,240,483
3,285,597
103 : 3,235,245
3,263,987
105 : 3,239,208
107 : 3,282,583
3,285,598
3,288,458
3,292,920
110 : 3,258,260
3,272,497
3,292,921
111 : 3,276,765
3,287,009

Class 268

37 : 3,243,176
39 : 3,232,600
50 : 3,231,259
3,244,415
59 : 3,228,675
3,231,260
3,235,246
3,240,484
65 : 3,237,932
72 : 3,228,676
74 : 3,237,933
118 : 3,235,247
122 : 3,235,248
124 : 3,228,677

Class 269

21 : 3,233,887
3,294,392
24 : 3,281,140
25 : 3,290,039
26 : 3,243,177
3,244,416
30 : 3,232,601
32 : 3,241,827
3,273,878
41 : 3,278,177
45 : 3,257,108
47 : 3,249,350
3,251,592
3,261,599
3,279,783
48.1 : 3,228,678
.1 : 3,229,972
55 : 3,239,209
58 : 3,243,178
61 : 3,273,879
63 : 3,227,437
71 : 3,228,679
73 : 3,248,101
87.3 : 3,243,179
94 : 3,227,438
95 : 3,290,040
131 : 3,292,922
134 : 3,232,602
153 : 3,262,694
154 : 3,245,675
165 : 3,245,676
208 : 3,239,210
236 : 3,249,351
240 : 3,266,793
252 : 3,236,516
254 : 3,245,677
3,273,880
3,291,476
305 : 3,240,485
3,243,180
3,294,393
315 : 3,232,603
3,245,678
317 : 3,262,695
319 : 3,233,888
321 : 3,261,600
3,273,881
325 : 3,227,439
3,241,828
3,281,141
3,282,584
326 : 3,227,440

Class 270

4 : 3,231,261
5 : 3,284,077
21 : 3,258,261
31 : 3,239,211
3,268,221
37 : 3,294,394
39 : 3,276,766
3,291,477
40 : 3,248,102
3,285,599
3,291,478
3,291,479
45 : 3,265,382
50 : 3,263,988
52 : 3,248,103
53 : 3,237,934
3,245,679
3,249,352
54 : 3,269,719
3,275,315
57 : 3,260,516
3,269,720
3,275,316
58 : 3,248,104
3,252,699
3,260,517
3,262,696
3,269,721
3,271,022
3,271,023
3,273,882
3,276,767
61 : 3,241,829
3,278,178
62 : 3,260,518
68 : 3,276,768
69 : 3,229,973
3,252,700
3,294,395
73 : 3,229,974
3,250,528
79 : 3,248,105
3,279,784
81 : 3,266,794
82 : 3,284,078
86 : 3,269,722
93 : 3,245,680

Class 271

1 : 3,252,701
3,291,480
2 : 3,231,262
3,233,889
3,281,142
3 : 3,231,263
3,254,886
3,278,179
3,282,585
3,292,923
4 : 3,232,604
5 : 3,227,441
3,236,517
3,260,519
3,279,785
8 : 3,263,989
3,272,498

Class 271—Con.

9 : 3,273,883
3,290,041
10 : 3,241,830
3,249,353
3,251,593
3,272,499
3,276,769
3,276,770
3,281,143
3,285,600
3,287,010
3,288,459
3,291,481
11 : 3,231,264
3,254,887
3,261,601
3,265,383
3,291,482
12 : 3,235,249
3,279,786
3,287,011
17 : 3,279,792
3,285,601
18 : 3,276,771
3,287,012
19 : 3,239,212
3,253,824
3,278,180
3,288,460
21 : 3,279,787
22 : 3,273,884
3,278,181
26 : 3,253,825
3,260,520
3,275,317
3,294,396
27 : 3,245,681
3,269,723
3,269,724
3,271,024
3,273,885
3,284,079
29 : 3,231,265
32 : 3,252,702
3,256,008
3,258,262
3,279,788
3,285,602
33 : 3,262,697
34 : 3,272,500
35 : 3,231,266
3,239,213
3,288,461
36 : 3,265,384
3,285,603
39 : 3,260,521
3,279,789
40 : 3,266,795
41 : 3,279,790
42 : 3,279,791
44 : 3,227,442
3,245,682
3,262,698
3,285,604
3,290,042
45 : 3,239,214
3,262,699
3,266,796
3,271,025
3,273,886
3,276,772
3,282,586
3,287,013
46 : 3,232,605
47 : 3,288,462
48 : 3,245,683
49 : 3,240,486
50 : 3,282,587
51 : 3,228,680
3,239,215
3,257,109
3,258,263
3,261,602
3,263,990
3,263,991
3,265,385
3,287,014
52 : 3,248,106
53 : 3,240,487
3,241,831
3,244,417
3,263,992
3,276,773
3,281,144
54 : 3,239,216
3,276,774
55 : 3,272,501
56 : 3,239,217
57 : 3,228,681
3,232,606
3,233,890
3,249,354
57 : 3,254,888
3,281,145
3,284,080
3,287,015
59 : 3,227,443
3,244,418
3,251,594
60 : 3,256,009
61 : 3,239,218
3,239,219
3,246,891
3,265,386
3,276,775
3,285,605
62 : 3,237,935
3,240,488
3,240,489
3,259,384
3,265,387
3,269,725
3,272,502
3,272,503
3,285,606
3,288,463
3,291,483
63 : 3,291,484
64 : 3,232,607
3,243,181
3,263,993
3,266,797
3,266,798
3,266,799
3,284,081
65 : 3,227,444
3,288,464
68 : Re.26,004
3,249,355
3,256,010
3,256,011
3,258,264
3,258,265
3,272,504
3,281,146
3,285,607
69 : 3,231,267
3,254,889
71 : 3,240,490
3,271,026
3,272,505
3,291,485
74 : 3,228,682
3,240,491
3,243,182
3,256,012
3,268,222
3,285,608
3,288,465
75 : 3,239,220
76 : 3,257,110
77 : 3,233,891
78 : 3,271,027
86 : 3,261,603
3,276,776
87 : 3,281,147
88 : 3,231,268
89 : 3,240,492
3,250,529
3,252,703
668 : 3,275,318

Class 272

1 : 3,232,608
3,251,595
3,260,523
3,294,397
3 : 3,250,530
3,266,800
4 : 3,237,936
8 : 3,243,183
3,250,531
3,265,388
3,272,506
3,278,182
.5 : 3,256,013
.5 : 3,256,014
10 : 3,237,937
3,259,386
27 : 3,262,700
30 : 3,235,250
31 : 3,261,604
3,272,507
3,278,183
3,279,793
33 : 3,235,251
3,235,252
3,235,253
3,268,223
3,276,777
36 : 3,243,184
3,294,398
50 : 3,236,518
52 : 3,237,938
53.1 : 3,233,892
54 : 3,231,269
3,292,924
56 : 3,227,445
3,261,605
3,279,794
.5 : 3,233,893
.5 : 3,246,892
.5 : 3,251,596
.5 : 3,263,994
.5 : 3,269,726
.5 : 3,273,887
.5 : 3,291,486
57 : 3,228,683
3,228,684
3,255,115
3,271,028
3,278,184
58 : 3,287,016
60 : 3,250,532
3,262,701
61 : 3,233,894
3,246,893
63 : 3,232,609
65 : 3,233,895
67 : 3,227,446
68 : 3,265,389
3,290,043
70 : 3,237,939
.1 : 3,275,319
.3 : 3,235,254
.3 : 3,237,940
.3 : 3,252,704
.4 : 3,273,888
72 : 3,261,606
3,266,801
73 : 3,259,385
74 : 3,241,832
75 : 3,249,356
3,263,995
76 : 3,250,533
79 : 3,227,447
3,269,727
80 : 3,256,015
3,278,185
81 : 3,235,255
3,257,111
3,268,224
3,290,044
3,294,399
83 : 3,248,107
3,268,225
84 : 3,231,270
85 : 3,256,016
3,260,522
3,261,607
87 : 3,235,256
3,271,029

Class 273

1 : 3,232,610
3,241,833
3,249,357
3,266,802
3,273,889
3,294,400
.5 : 3,233,896
.5 : 3,233,897
.5 : 3,233,898
.5 : 3,258,266
.5 : 3,288,466
3 : 3,263,996
9 : 3,237,941
14 : 3,287,017
22 : 3,236,519
3,253,826
26 : 3,229,975
3,233,899
3,236,520
3,246,894
3,268,226
3,271,030
29 : 3,231,271
32 : 3,275,320
33 : 3,254,890
3,273,890
41 : 3,227,448
42 : 3,232,611
3,278,186
43 : 3,228,685
3,231,272
3,233,900
3,235,257
3,237,942
3,239,221
3,239,222
3,245,684
3,248,108
3,248,109
3,251,597
3,256,017
3,257,112
3,265,390
3,272,508
43 : 3,292,925
49 : Re.26,003
3,232,612
3,233,901
3,237,943
3,248,110
3,265,391
51 : 3,260,524
3,279,795
52 : 3,284,082
54 : 3,231,273
3,235,258
3,240,493
3,245,685
3,248,111
3,248,112
3,250,534
3,250,535
3,252,705
3,254,891
3,262,702
3,263,997
3,266,803
3,269,728
3,269,729
55 : 3,227,449
3,227,450
3,233,902
3,237,944
3,281,148
58 : 3,229,976
3,241,834
59 : 3,228,686
63 : 3,239,223
3,248,113
3,253,827
3,256,018
3,265,392
3,266,804
3,271,031
65 : 3,256,019
3,256,020
3,279,796
67 : 3,259,387
68 : 3,232,613
3,269,730
69 : 3,246,895
73 : Re.26,128
3,239,224
77 : 3,260,525
78 : 3,266,805
81.3 : 3,245,686
.4+: 3,252,706
.4 : 3,263,998
82 : 3,227,451
3,228,687
3,229,977
3,229,978
3,231,274
3,232,614
3,232,615
3,232,616
3,232,617
3,233,903
3,237,945
3,240,494
3,241,835
3,246,896
3,248,114
3,248,115
3,251,598
3,257,113
85 : 3,228,688
3,228,689
3,235,259
3,240,495
3,269,731
3,287,018
86 : 3,231,275
87.4 : 3,288,467
89 : 3,227,452
93 : 3,227,453
94 : 3,231,276
95 : 3,228,690
3,232,618
3,237,946
3,256,021
3,262,703
96 : 3,236,521
97 : 3,229,979
101 : 3,231,277
3,246,897
3,249,358
3,254,892
3,271,033
.1 : 3,251,599
.1 : 3,271,032
.1 : 3,294,401
.2 : 3,239,225
102 : 3,244,419
.1 : 3,262,704
.1 : 3,272,509
.2 : 3,233,904
.2 : 3,272,510
102.2 : 3,275,321
105 : 3,244,420
.4 : 3,287,019
106.5 : 3,227,454
.5 : 3,241,836
.5 : 3,266,806
108 : 3,268,227
110 : 3,236,522
3,239,226
113 : 3,276,778
118 : 3,228,691
3,231,278
3,278,187
119 : 3,275,322
120 : 3,275,323
123 : 3,232,619
126 : 3,228,692
3,259,388
3,275,324
127 : 3,239,227
128 : 3,237,947
129 : 3,228,693
3,258,267
131 : 3,254,893
134 : 3,228,694
3,231,279
3,232,620
3,237,948
3,260,526
135 : 3,254,894
136 : 3,240,496
3,251,600
138 : 3,241,837
3,259,389
3,284,083
3,292,926
141 : 3,235,260
3,272,511
142 : 3,235,261
3,243,185
3,248,116
143 : 3,228,695
3,256,022
3,281,149
144 : 3,232,621
3,237,949
145 : 3,269,732
146 : 3,258,268
148 : 3,236,523
3,292,927
149 : 3,232,622
152.1 : 3,245,687
.1 : 3,263,999
.2 : 3,236,524
153 : 3,253,828
155 : 3,235,262
156 : 3,235,263
163 : 3,240,497
3,253,829
3,262,705
3,273,891
3,273,892
3,273,893
3,292,928
165 : 3,227,455
3,256,023
166 : 3,237,950
3,249,359
167 : 3,250,536
173 : 3,233,905
176 : 3,260,527
179 : 3,264,000
3,275,325
181 : 3,231,280
182 : 3,264,001
183 : 3,228,696
3,243,186
3,264,002
3,268,228
3,269,733
186 : 3,229,980
3,232,623
3,246,898
3,254,895
187 : 3,229,981
3,244,421
3,253,830
189 : 3,288,468
193 : 3,231,281
197 : 3,229,982
199 : 3,288,469
201 : 3,294,402
203 : 3,292,929
207 : 3,288,470
218 : 3,239,228
235 : 3,227,456

Class 274

1 : 3,239,229
3,245,688
3,260,528
3,266,807
3,268,229
1 : 3,272,512
3,281,150
3,282,588
3,282,589
3,282,590
3,285,609
2 : 3,246,899
3,291,487
3,292,930
3,292,931
3 : 3,275,326
4 : 3,227,457
3,258,269
3,271,034
3,285,610
5 : 3,281,151
9 : 3,227,458
3,228,697
3,244,422
3,249,360
3,253,831
3,256,024
3,261,608
3,273,894
6 : 3,241,841
3,253,834
3,279,800
3,290,046
10 : 3,228,698
3,231,282
3,232,624
3,236,525
12 : 3,227,461
15 : 3,228,701
3,232,627
3,239,231
3,248,117
3,257,115
3,279,801
3,282,591
3,287,021

Class 276

44 : 3,275,329

Class 277

1 : 3,235,269
3,248,118
3,249,363
3,258,271
3,275,330
3,275,331
3,284,086
2 : 3,260,530
3,290,047
3 : 3,246,901
3,259,390
3,273,899
3,282,592
4 : 3,244,424
3,272,516
5 : 3,239,232
3,264,004
8 : 3,246,902
9 : 3,240,501
3,273,900
11 : 3,236,528
3,288,472
12 : 3,282,593
13 : 3,259,391
15 : 3,236,529
3,291,489
18 : 3,278,190
21 : 3,291,490
22 : 3,241,842
3,248,119
3,269,735
24 : 3,250,538
3,266,810
25 : 3,256,027
3,266,811
26 : 3,269,736
3,272,517
27 : 3,268,232
3,271,037
3,291,491
29 : 3,228,702
3,262,706
30 : 3,272,518
31 : 3,268,233
34 : 3,227,462
3,261,611
.3 : 3,235,270
.3 : 3,262,707
.3 : 3,265,397
35 : 3,253,835
37 : 3,275,332
38 : 3,231,284
39 : 3,275,333
40 : 3,245,692
3,278,191
41 : 3,250,539
3,275,334
38 : 3,271,036
3,292,936
39 : 3,241,840
3,284,085
42 : 3,245,691
3,250,537
3,261,610
3,265,396
3,269,734
47 : 3,290,045

Class 275

2 : 3,229,983
3,235,268
3,276,779
3 : 3,229,984
3,229,985
3,229,986
3,236,527
3,256,026
3,258,270
3,272,515
3,294,406
6 : 3,241,841
3,253,834
3,279,800
3,290,046
8 : 3,232,626
3,273,898
3,294,407
12 : 3,227,461
15 : 3,228,701
3,232,627
3,239,231
3,248,117
3,257,115
3,279,801
3,282,591
3,287,021

Class 276

44 : 3,275,329

Class 277

1 : 3,235,269
3,248,118
3,249,363
3,258,271
3,275,330
3,275,331
3,284,086
2 : 3,260,530
3,290,047
3 : 3,246,901
3,259,390
3,273,899
3,282,592
4 : 3,244,424
3,272,516
5 : 3,239,232
3,264,004
8 : 3,246,902
9 : 3,240,501
3,273,900
11 : 3,236,528
3,288,472
12 : 3,282,593
13 : 3,259,391
15 : 3,236,529
3,291,489
18 : 3,278,190
21 : 3,291,490
22 : 3,241,842
3,248,119
3,269,735
24 : 3,250,538
3,266,810
25 : 3,256,027
3,266,811
26 : 3,269,736
3,272,517
27 : 3,268,232
3,271,037
3,291,491
29 : 3,228,702
3,262,706
30 : 3,272,518
31 : 3,268,233
34 : 3,227,462
3,261,611
.3 : 3,235,270
.3 : 3,262,707
.3 : 3,265,397
35 : 3,253,835
37 : 3,275,332
38 : 3,231,284
39 : 3,275,333
40 : 3,245,692
3,278,191
41 : 3,250,539
3,275,334

42 : 3,276,780
3,291,492
47 : 3,235,271
3,254,898

Class 278

48 : 3,229,987
53 : 3,231,285
3,251,601

Class 279

57 : 3,279,802
58 : 3,235,272
3,284,087
3,288,473
3,294,408
59 : 3,259,392
3,269,737
3,292,937
62 : 3,251,602
3,285,614
64 : 3,281,155
68 : 3,231,286
3,236,530
3,282,594
70 : 3,257,116
73 : 3,228,703
81 : 3,269,738
85 : 3,279,803
88 : 3,235,273
3,288,474
89 : 3,250,540
92 : 3,241,843
3,241,844
3,244,425
3,272,519
3,273,901
3,279,804
3,291,493
3,291,494
93 : 3,227,463
94 : 3,231,287
95 : 3,273,902
96 : 3,257,117
3,273,903
3,273,904
3,273,905
100 : 3,240,502
101 : 3,233,907
3,257,118
102 : 3,264,005
105 : 3,227,464
3,262,708
3,262,709
3,262,710
3,265,398
110 : 3,257,119
116.2 : 3,278,192
.2 : 3,292,938
.4 : 3,236,531
124 : 3,284,088
125 : 3,284,089
131 : 3,236,532
134 : 3,259,393
3,273,906
138 : 3,228,704
3,253,836
139 : 3,268,234
3,282,595
140 : 3,261,612
3,281,156
141 : 3,276,781
142 : 3,235,274
143 : 3,276,782
151 : 3,269,739
152 : 3,291,495
154 : 3,235,275
162 : 3,279,805
164 : 3,291,496
165 : 3,268,235
3,272,520
166 : 3,231,288
169 : 3,291,497
172 : 3,237,953
176 : 3,261,613
180 : 3,231,289
3,275,335
3,285,615
3,294,409
181 : 3,252,707
3,285,616
182 : 3,241,845
3,250,541
183 : 3,276,783
188 : 3,287,022
198 : 3,251,603
3,265,399
201 : 3,264,006
205 : 3,271,038
3,272,521
3,279,806
3,288,475
206 : 3,228,705
3,282,596
207 : 3,235,276
212 : 3,232,628
222 : 3,245,693
228 : 3,271,039
235 : 3,241,846
237 : 3,237,954

Class 280

1.183 3,237,956
.202 3,284,090
.203 3,259,395
2 : 3,239,234
3 : 3,269,740
5 : 3,264,007
.2 : 3,227,465
.2 : 3,279,812
.22: 3,231,290
.22: 3,253,837
.22: 3,259,396
.26: 3,241,848
.26: 3,269,741
.28: 3,235,278
6 : 3,227,466
3,233,909
3,237,957
3,246,905
3,250,543
3,254,899
3,264,008
3,285,617
.1 : 3,236,535
.1 : 3,237,958
.1 : 3,246,906
.1 : 3,262,711
7.13: 3,292,940
.15: 3,229,988
.15: 3,258,272
.15: 3,258,273
8 : 3,266,813
11.11: 3,285,618
.12: 3,243,191
.13: 3,232,630
.13: 3,260,531
.13: 3,260,532
.13: 3,269,742
.13: 3,272,522
.13: 3,276,784
.13: 3,284,091
.13: 3,290,048
.17: 3,279,807
.2 : 3,250,544
.2 : 3,261,614
.2 : 3,282,598
.2 : 3,287,023
.23: 3,228,707
.26: 3,291,498
.31: 3,229,989
.31: 3,279,808
.35: 3,228,708
.35: 3,232,631
11.35: 3,233,911
.35: 3,241,849
.35: 3,244,431
.35: 3,246,907
.35: 3,248,124
.35: 3,249,365
.35: 3,251,607
.35: 3,258,274
.35: 3,261,615
.35: 3,265,400
.35: 3,271,040
.35: 3,272,523
.35: 3,272,524
.35: 3,278,195
.35: 3,279,809
.35: 3,282,597
.35: 3,282,599
.35: 3,284,092
.35: 3,288,476
.35: 3,288,477
.35: 3,291,499
.35: 3,291,500
.35: 3,292,941
.36: 3,272,525
.37: 3,232,632
.37: 3,250,545
.37: 3,265,401
.37: 3,269,743
.37: 3,272,526
.37: 3,290,049
12 : 3,294,410
21 : 3,276,785
29 : 3,243,192
3,246,908
3,254,900
30 : 3,290,050
33.99: 3,233,912
.99: 3,241,850
.99: 3,261,616
.99: 3,272,527
.99: 3,272,528
.99: 3,276,786
.99: 3,288,478
34 : 3,241,851
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35 : 3,243,193
3,288,479
3,294,411
36 : 3,235,279
3,236,536
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40 : 3,229,990
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41 : 3,265,402
3,291,502
43.1 : 3,260,533
.11: 3,265,403
.12: 3,243,194
.12: 3,260,534
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.13: 3,284,093
.13: 3,294,412
.17: 3,269,744
.23: 3,232,633
.23: 3,237,959
.23: 3,240,506
.23: 3,268,236
.23: 3,271,041
.23: 3,271,042
.23: 3,271,043
.23: 3,288,480
.24: 3,235,280
.24: 3,243,195
.24: 3,275,336
47 : 3,261,618
.11: 3,269,745
.13: 3,272,529
.17: 3,257,120
.18: 3,236,537
.19: 3,262,712
.2 : 3,258,275
.25: 3,227,467
.26: 3,229,991
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.26: 3,285,620
.26: 3,292,942
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.31: 3,236,538
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.35: 3,240,507
.37: 3,243,196
.37: 3,246,909
.38: 3,288,482
.4 : 3,248,125
47.4 : 3,258,276
78 : 3,252,711
79.1 : 3,288,483
.2 : 3,252,712
.2 : 3,261,619
.2 : 3,262,714
.2 : 3,272,530
.2 : 3,273,908
.2 : 3,288,484
.3 : 3,265,404
.3 : 3,271,044
80 : 3,240,508
3,243,197
3,276,788
81 : 3,254,901
3,264,009
3,282,601
3,284,094
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3,291,503
84 : 3,237,960
87 : 3,237,961
3,249,366
3,271,045
.01: 3,236,539
.01: 3,241,853
.04: 3,235,282
.04: 3,252,713
.04: 3,269,746
.1 : 3,275,337
91 : 3,235,283
3,279,813
92 : 3,248,123
95 : 3,229,992
3,241,854
3,262,715
3,275,338
3,279,814
96.1 : 3,240,509
.1 : 3,284,485
.1 : 3,294,413
.2 : 3,237,962
.2 : 3,239,235
.2 : 3,256,028
.2 : 3,257,121
.2 : 3,259,397
.2 : 3,261,620
.2 : 3,261,621
.2 : 3,273,909
.2 : 3,273,910
.2 : 3,278,196
.2 : 3,282,602
.2 : 3,285,622
104 : 3,232,634
3,246,910
3,266,815
3,273,912
3,292,943
.5 : 3,227,468
.5 : 3,239,236
.5 : 3,241,855
.5 : 3,241,856
.5 : 3,246,911
.5 : 3,251,608
.5 : 3,253,838
.5 : 3,261,622
.5 : 3,271,046
.5 : 3,279,815
.5 : 3,290,052
.5 : 3,290,053
.5 : 3,294,414
106 : 3,264,010
3,279,816
3,282,603
.5 : 3,290,054
112 : 3,232,635
3,243,198
3,257,122
3,285,623
3,288,486
3,290,055
124 : 3,231,291
3,233,914
3,233,915
3,243,199
3,250,546
3,254,902
3,257,123
3,268,237
3,269,747
3,271,047
3,278,197
3,279,820
3,284,095
3,287,025
3,288,487
3,290,056
3,292,944
3,292,945
3,294,415
150 : 3,236,540
3,239,237
3,240,510
3,262,716
150 : 3,276,789
3,279,817
3,281,160
3,282,604
.5 : 3,253,839
153 : 3,227,469
154.5 : 3,237,963
.5 : 3,241,857
.5 : 3,244,432
.5 : 3,248,126
.5 : 3,279,818
.5 : 3,285,624
157 : 3,231,292
163 : 3,244,433
164 : 3,237,964
165 : 3,249,367
3,288,488
166 : 3,229,993
3,291,504
179 : 3,229,994
202 : 3,288,490
204 : 3,271,048
206 : 3,290,057
211 : 3,231,293
3,282,605
217 : 3,237,965
218 : 3,229,995
219 : 3,249,368
229 : 3,292,946
236 : 3,259,398
239 : 3,282,606
274 : 3,233,916
275 : 3,264,011
276 : 3,241,858
278 : 3,294,416
279 : 3,260,535
281 : 3,275,339
3,279,821
287 : 3,259,399
3,265,405
3,292,947
289 : 3,284,096
400 : 3,245,695
3,276,790
404 : 3,232,636
405 : 3,227,470
3,235,284
3,257,124
3,269,748
3,284,097
3,284,098
406 : 3,248,127
3,265,406
3,284,098
407 : 3,246,912
3,254,903
3,284,102
408 : 3,237,966
3,294,417
3,294,418
410 : 3,266,816
3,288,491
3,290,058
411 : 3,269,749
412 : 3,292,948
414 : 3,257,125
415 : 3,231,294
3,243,200
3,287,026
3,288,492
3,294,419
3,294,420
418 : 3,246,913
3,252,714
421 : 3,243,201
3,278,198
3,279,822
3,279,823
423 : 3,235,285
3,237,967
3,241,859
3,259,400
3,278,199
425 : 3,239,238
3,253,840
432 : 3,231,295
3,250,547
3,275,340
433 : 3,252,715
3,254,904
434 : 3,239,239
3,239,240
3,239,241
3,251,609
3,282,607
435 : 3,251,610
438 : 3,241,860
3,282,608
446 : 3,244,434
3,273,911
3,284,099
3,294,421
457 : 3,265,407
458 : 3,254,905
460 : 3,275,341
3,275,342
460 : 3,279,824
461 : 3,266,817
474 : 3,269,750
476 : 3,281,161
478 : 3,243,202
3,266,818
3,279,819
3,279,825
3,281,162
479 : 3,241,861
3,252,716
3,285,625
3,292,949
480 : 3,285,626
481 : 3,235,287
3,243,203
3,260,536
3,284,100
482 : 3,252,717
3,269,751
3,284,101
3,292,950
485 : 3,244,435
489 : 3,235,286
3,239,242
3,250,548
490 : 3,236,541
3,241,862
491 : 3,281,163
3,287,027
492 : 3,237,968
493 : 3,271,049
495 : 3,287,028
501 : 3,262,717
3,281,164
502 : 3,233,917
507 : 3,233,913
3,237,969
3,260,537
3,271,050
511 : 3,257,126

Class 281

1 : 3,294,422
3 : 3,290,059
5 : 3,287,029
8 : 3,259,401
15 : 3,245,696
3,266,819
3,272,531
16 : 3,250,549
17 : 3,275,343
21 : 3,256,029
3,284,102
3,292,951
23 : 3,244,436
29 : 3,228,709
3,231,296
3,241,863
3,271,051
3,273,913
31 : 3,227,471
3,257,127
38 : 3,228,710
39 : 3,257,128
44 : 3,227,472
3,246,914

Class 282

1 : 3,228,711
5 : 3,235,288
8 : 3,278,200
9 : 3,233,918
16 : 3,273,914
20.92: 3,271,056
22 : 3,258,277
3,272,532
3,290,060
23 : 3,227,473
3,243,204
3,254,906
3,257,129
3,290,061
25 : 3,237,970
3,243,205
3,261,623
3,294,423
29 : 3,236,542
3,237,971
3,237,972
3,284,104
3,291,505
101 : 3,275,560

Class 283

6 : 3,281,165
7 : 3,227,474
3,245,697
3,272,533
3,279,826
56 : Re.26,049
57 : 3,276,791
62 : 3,237,973
63 : 3,268,238
3,294,424
65 : 3,269,752
66 : 3,269,753

Class 285

1 : 3,279,827
2 : 3,236,543
3 : 3,250,550
3,265,408
3,268,239
3,284,105
3,285,627
3,288,493
3,290,062
7 : 3,239,243
3,239,244
3,244,437
3,245,698
3,250,551
3,262,718
3,271,052
3,279,828
3,282,609
8 : 3,271,053
9 : 3,227,475
3,275,344
13 : 3,233,919
14 : 3,288,494
15 : 3,244,438
18 : 3,239,245
3,240,511
3,241,864
3,248,129
3,251,611
3,273,915
3,282,610
3,287,030
3,290,063
21 : 3,235,289
3,266,820
22 : 3,264,012
3,264,013
23 : 3,239,246
24 : 3,231,297
3,260,539
27 : 3,232,637
3,248,130
3,265,409
3,285,628
3,287,031
39 : 3,250,552
3,258,278
3,287,032
40 : 3,266,821
41 : 3,262,719
43 : Re.26,026
45 : 3,228,712
3,240,512
3,246,916
3,282,611
3,290,064
46 : 3,278,201
47 : 3,246,917
3,251,612
3,272,534
3,275,345
49 : 3,251,613
3,275,346
50 : 3,278,202
53 : 3,249,369
3,288,495
54 : 3,233,920
55 : 3,232,638
3,235,290
3,235,291
3,253,841
3,264,014
3,268,240
3,284,106
3,284,107
3,284,108
62 : 3,261,624
64 : 3,246,918
74 : 3,241,865
81 : 3,232,639
3,249,370
3,253,842
84 : 3,246,919
90 : 3,240,513
3,254,907
93 : 3,232,640
3,271,054
94 : 3,239,247
3,288,496
3,290,065
96 : 3,236,544
98 : 3,232,641
3,241,866
109 : 3,228,713
3,241,867

Class 285 – Con.

109 : 3,269,754
3,276,792
110 : 3,229,996
3,233,921
3,245,699
3,258,279
3,260,540
3,265,410
3,266,822
112 : 3,251,615
3,291,506
114 : 3,232,642
3,251,614
3,272,535
3,272,536
3,281,166
3,291,507
115 : 3,287,034
130 : 3,248,131
132 : 3,291,508
133 : 3,248,132
3,259,402
134 : 3,259,403
135 : 3,265,411
137 : 3,229,997
3,252,718
3,252,719
3,269,755
3,276,793
3,282,612
138 : 3,288,497
139 : 3,268,241
141 : 3,284,111
142 : 3,268,242
3,268,243
144 : 3,266,823
145 : 3,239,248
147 : 3,257,130
3,287,035
149 : 3,237,974
3,245,700
3,254,908
3,276,794
152 : 3,239,249
158 : 3,232,643
3,240,514
3,246,132
3,292,952
160 : 3,278,203
161 : 3,262,720
3,275,347
162 : 3,243,206
174 : 3,244,439
3,245,701
3,262,721
177 : 3,248,133
181 : 3,276,795
3,285,630
183 : 3,290,066
187 : 3,239,250
3,272,537
3,291,509
189 : 3,239,251
3,254,909
3,264,015
3,272,542
3,292,953
190 : 3,258,280
194 : 3,232,644
197 : 3,284,109
198 : 3,292,954
205 : 3,232,645
212 : 3,240,515
3,259,404
3,262,722
3,266,824
3,275,348
215 : 3,236,545
226 : 3,232,646
3,254,910
3,259,405
3,273,916
228 : 3,241,868
231 : 3,235,292
3,272,538
233 : 3,231,298
3,235,293
235 : 3,268,244
3,284,110
236 : 3,228,714
3,232,647
3,233,922
3,268,245
237 : 3,246,920
238 : 3,236,546
3,257,131
239 : 3,233,923
247 : 3,246,921
3,269,756
3,290,067
248 : 3,243,207
250 : 3,239,252
252 : 3,275,349
253 : 3,249,371
3,257,132
256 : 3,243,208
3,252,720
261 : 3,243,209
3,276,796
3,292,955
263 : 3,273,917
264 : 3,271,055
276 : 3,244,440
3,290,068
277 : 3,266,825
3,268,246
281 : 3,278,204
284 : Re.26,126
286 : 3,236,547
3,248,134
3,268,247
3,268,248
292 : 3,227,476
300 : 3,237,975
305 : 3,245,702
311 : 3,278,205
312 : 3,268,249
313 : 3,228,715
319 : 3,245,703
320 : 3,239,253
322 : 3,232,648
3,233,924
323 : 3,248,135
3,265,412
328 : 3,258,281
3,284,112
332.3 : 3,249,372
.3 : 3,273,918
.4 : 3,272,539
334.1 : 3,288,498
.4 : 3,265,413
.5 : 3,278,206
.5 : 3,294,425
.5 : 3,294,426
340 : 3,233,925
3,273,919
3,291,510
341 : 3,233,926
3,245,704
3,248,136
3,259,406
3,275,350
3,290,069
348 : 3,265,414
354 : 3,285,631
363 : 3,285,632
374 : 3,244,441
382 : 3,249,373
390 : 3,239,254
401 : 3,233,927
419 : 3,229,998

Class 287

1 : 3,294,427
12 : 3,240,516
3,278,207
14 : 3,232,649
20 : 3,236,548
3,245,705
3,268,250
3,287,036
.2 : 3,287,037
.3 : 3,290,070
.5 : 3,281,167
.5 : 3,287,038
.92: 3,258,282
.92: 3,262,723
.92: 3,268,251
.92: 3,276,797
.92: 3,278,208
.92: 3,279,829
.92: 3,279,830
.92: 3,281,168
.92: 3,282,613
.92: 3,284,113
.92: 3,284,116
.92: 3,285,633
.92: 3,285,635
.92: 3,285,636
.92: 3,285,637
.924 3,281,169
.94: 3,256,030
21 : 3,235,294
3,276,798
3,287,039
51 : 3,253,843
52 : 3,235,295
3,273,920
.02: 3,285,638
.05: 3,250,553
.05: 3,279,831
.06: 3,251,616
.07: 3,272,543
.08: 3,237,976
53 : 3,232,650
53 : 3,240,517
3,241,869
3,243,210
3,253,844
3,260,541
3,260,542
3,264,016
3,271,057
3,285,639
3,285,641
3,290,071
.5 : 3,273,921
54 : 3,272,540
3,273,922
3,275,351
3,278,209
3,288,499
56 : 3,227,477
3,268,252
58 : 3,235,296
3,239,255
3,259,407
3,284,103
3,284,114
3,287,040
3,292,956
60 : 3,229,999
3,278,210
76 : 3,249,374
78 : 3,243,211
82 : 3,264,017
83 : 3,262,724
85 : 3,230,000
3,233,928
3,275,352
3,288,500
87 : 3,227,478
3,231,299
3,233,929
3,239,256
3,239,257
3,239,259
3,240,518
3,243,212
3,248,137
3,250,554
3,257,133
3,259,408
3,260,543
3,269,757
3,269,758
3,269,759
3,273,923
3,279,832
3,284,115
3,290,072
3,291,511
3,292,957
3,292,958
90 : 3,245,706
3,249,375
3,250,555
3,250,556
3,250,557
3,253,845
3,269,760
3,272,541
3,273,924
3,275,353
3,279,833
3,279,834
3,288,501
3,290,073
3,290,074
91 : 3,249,376
3,288,502
93 : 3,231,300
3,232,651
3,233,930
3,236,549
3,265,415
99 : 3,278,212
100 : 3,266,826
101 : 3,228,716
3,231,301
3,235,297
3,245,707
103 : 3,236,550
3,249,377
3,275,354
104 : 3,260,544
3,276,799
108 : 3,285,634
111 : 3,281,170
114 : 3,282,614
119 : 3,237,977
3,240,519
3,243,213
3,248,138
3,252,721
3,256,031
3,258,283
3,279,835
125 : 3,258,284
125 : 3,285,640
127 : 3,253,846
3,266,827
129 : 3,249,378
130 : 3,240,520
189.35: 3,257,134
.35: 3,262,725
.35: 3,264,018
.35: 3,264,019
.35: 3,276,800
.35: 3,276,801
.35: 3,284,117
.35: 3,288,503
.36: 3,251,617
.36: 3,253,847
.36: 3,259,409
.36: 3,261,625
.36: 3,261,626
.36: 3,264,020
.36: 3,264,021
.36: 3,265,416
.36: 3,265,417
.36: 3,265,418
.36: 3,265,419
.36: 3,265,420
.36: 3,266,828
.36: 3,269,761
.36: 3,271,058
.36: 3,271,059
.36: 3,275,355
.36: 3,275,358
.36: 3,275,359
.36: 3,276,802
.36: 3,281,171
.36: 3,281,172
.36: 3,281,173
.36: 3,282,615
.36: 3,284,119
.36: 3,285,642
.36: 3,285,644
.36: 3,287,041
.36: 3,288,489
.36: 3,288,504
.36: 3,288,505
.36: 3,288,506
.36: 3,290,075
.36: 3,290,076
.36: 3,290,077
.36: 3,294,428
.36: 3,294,429
.36: 3,294,430
.365 3,251,618
.365 3,252,722
.365 3,278,211
.365 3,281,174
.365 3,284,118

Class 289

1.2 : 3,227,479
.5 : 3,252,723
.5 : 3,264,022
.5 : 3,264,023
2 : 3,243,214
3,265,421
5 : 3,239,258
13 : 3,254,911
14 : 3,232,652
15 : 3,248,139
17 : 3,252,724
3,265,422
3,287,042
18 : 3,252,725
3,294,431

Class 290

1 : 3,234,395
3,259,752
3,274,394
2 : 3,242,345
3,244,898
4 : 3,230,381
3,238,376
3,283,165
30 : 3,235,743
31 : 3,270,207
32 : 3,271,579
36 : 3,270,208
38 : 3,248,555
3,259,753
3,264,482
3,264,483
3,264,484
3,275,836
40 : 3,234,396
3,239,677
3,242,346
3,242,347
3,243,596
3,264,485
3,287,565
50 : 3,240,947
52 : 3,247,393
52 : 3,274,395
53 : 3,231,749

Class 291

3 : 3,271,060
14 : 3,271,061

Class 292

1 : 3,292,959
5 : 3,235,298
3,257,135
6 : 3,261,627
7 : 3,275,360
9 : 3,287,043
11 : 3,236,551
3,239,260
17 : 3,235,299
3,287,044
30 : 3,285,645
48 : 3,264,024
52 : 3,231,302
53 : 3,288,507
3,290,078
56 : 3,243,215
67 : 3,259,410
3,265,423
70 : 3,228,717
3,261,628
3,291,512
74 : 3,248,140
75 : 3,239,261
87 : 3,281,175
92 : 3,266,829
99 : 3,228,718
3,240,521
111 : 3,240,522
113 : 3,237,978
3,259,411
3,259,412
114 : 3,287,045
120 : 3,275,361
122 : 3,294,432
123 : 3,233,931
128 : 3,246,922
3,266,830
3,268,253
3,282,616
3,288,508
132 : 3,259,413
133 : 3,266,831
3,285,646
144 : 3,241,870
145 : 3,265,424
153 : 3,241,871
166 : 3,248,141
3,249,379
3,249,380
3,264,025
169 : 3,232,653
3,253,848
3,261,629
3,261,630
3,269,762
3,279,836
3,287,046
3,287,047
171 : 3,282,617
172 : 3,235,300
3,290,079
175 : 3,233,932
196 : 3,262,726
198 : 3,240,523
201 : 3,243,216
3,273,925
202 : 3,265,425
3,276,803
204 : 3,275,362
212 : 3,244,442
216 : 3,272,544
3,272,545
3,281,176
3,287,048
3,291,513
223 : 3,279,837
224 : 3,241,872
228 : 3,266,832
3,275,363
229 : 3,250,558
3,287,049
230 : 3,287,050
238 : 3,248,142
3,288,509
241 : 3,281,177
244 : 3,235,301
3,257,136
251 : 3,250,559
3,252,726
3,279,838
3,288,510
.5 : 3,232,654
.5 : 3,235,302
.5 : 3,244,443
251.5 : 3,258,285
.5 : 3,261,631
.5 : 3,273,926
.5 : 3,276,804
.5 : 3,287,051
.5 : 3,288,511
.5 : 3,294,433
254 : 3,287,052
256.5 : 3,291,514
.63: 3,287,053
.67: 3,259,414
.69: 3,261,632
.71: 3,245,708
258 : 3,282,618
259 : 3,268,254
263 : 3,260,545
3,278,213
3,285,647
264 : 3,275,364
3,292,960
265 : 3,232,655
268 : 3,284,120
280 : 3,232,656
284 : 3,279,839
288 : 3,291,515
298 : 3,257,137
306 : 3,244,444
307 : 3,265,426
3,284,121
311 : 3,292,961
318 : 3,278,214
322 : 3,290,080
336.3 : 3,228,719
.3 : 3,248,143
.3 : 3,257,138
.3 : 3,271,062
.3 : 3,287,054
340 : 3,241,873
341 : 3,240,524
.12: 3,287,055
.13: 3,245,709
.18: 3,251,619
.18: 3,257,139
.18: 3,265,427
.18: 3,269,763
346 : 3,271,063
3,279,840
3,290,081
347 : 3,275,365
3,287,056
357 : 3,241,874

Class 293

1 : 3,250,560
3,265,428
3,284,122
3,288,512
3,290,082
9 : 3,236,552
67 : 3,291,516
88 : 3,241,875

Class 294

1 : 3,281,178
2 : 3,264,026
3,272,546
5.5 : 3,244,445
.5 : 3,251,620
.5 : 3,292,962
7 : 3,250,561
15 : 3,254,912
3,262,727
3,282,619
3,282,620
3,284,123
16 : 3,227,480
3,232,657
3,237,979
3,239,262
3,243,217
3,248,144
3,253,849
3,253,850
3,259,415
3,261,633
3,261,634
3,262,728
3,264,027
3,269,764
3,281,179
3,285,648
19 : 3,239,263
3,239,264
3,258,286
3,264,028
3,265,429
3,265,430
3,273,927
3,273,928
3,276,805
3,276,806
3,278,215
19 : 3,288,513
20 : 3,232,658
3,252,727
3,257,140
25 : 3,236,553
26 : 3,251,621
29 : 3,259,416
3,261,635
3,292,963
31 : 3,269,765
3,272,547
3,284,124
3,291,517
.2 : 3,250,562
.2 : 3,252,728
.2 : 3,275,366
33 : 3,251,622
3,278,216
50 : 3,273,929
.5 : 3,273,930
.9 : 3,268,255
.9 : 3,272,548
61 : 3,285,649
64 : 3,227,481
3,227,482
3,230,001
3,230,002
3,240,525
3,259,417
3,272,549
3,291,518
3,294,434
65.5 : 3,228,720
.5 : 3,243,218
.5 : 3,257,141
66 : 3,276,807
67 : 3,239,265
3,243,224
3,244,446
3,253,851
3,253,852
3,258,287
3,275,367
3,276,808
3,282,621
3,291,519
73 : 3,230,003
74 : 3,233,933
3,233,934
3,240,526
3,276,809
3,276,810
3,279,841
3,290,083
75 : 3,260,546
78 : 3,230,004
3,250,563
3,254,913
3,261,636
3,278,217
81 : 3,237,980
3,252,729
3,257,142
3,261,637
3,262,729
3,273,931
3,278,218
3,287,057
83 : 3,239,266
3,243,219
3,259,418
3,259,419
3,259,420
3,266,833
3,266,834
3,285,650
86 : 3,245,710
3,248,145
3,284,125
.15: 3,278,219
.24: 3,266,835
.25: 3,262,730
.25: 3,265,431
.25: 3,278,220
.3 : 3,275,368
.33: 3,273,932
87.2 : 3,245,711
.2 : 3,250,564
.2 : 3,258,288
.2 : 3,281,180
.2 : 3,288,514
.26: 3,232,659
.28: 3,243,220
88 : 3,227,483
3,231,303
3,253,853
3,264,029
3,294,435
90 : 3,279,842
93 : 3,259,421
97 : 3,251,623
99 : 3,253,854
101 : 3,257,143
3,262,731

101 : 3,269,766
102 : 3,264,030
3,292,964
104 : 3,285,651
110 : 3,257,144
112 : 3,245,712
118 : 3,273,933

Class 295

11 : 3,251,624
31 : 3,272,550

Class 296

1 : 3,239,267
3,241,876
3,246,923
3,276,811
.5 : 3,287,121
10 : 3,266,836
12 : 3,292,965
14 : 3,257,145
16 : 3,228,721
20 : 3,265,432
3,284,126
22 : 3,249,381
3,288,515
23 : 3,233,935
3,256,032
3,259,422
3,271,065
3,275,369
3,284,127
3,284,128
3,288,516
3,288,517
3,288,518
3,288,519
3,288,520
3,288,521
3,290,084
3,290,085
3,292,966
24 : 3,231,304
3,240,527
3,245,713
3,249,382
3,285,652
3,291,520
3,292,967
26 : 3,236,554
3,245,714
3,273,934
27 : 3,278,221
3,284,129
28 : 3,232,660
3,243,221
3,252,730
3,254,914
3,266,837
3,278,222
3,279,843
3,285,653
3,292,968
3,292,969
3,294,436
31 : 3,253,855
35 : 3,250,565
3,276,812
37 : 3,232,661
3,259,423
3,272,551
3,287,058
44 : 3,236,555
3,239,268
3,243,222
3,243,223
50 : 3,237,981
52 : 3,262,732
56 : 3,272,552
3,279,844
57 : 3,265,433
61 : 3,288,522
63 : 3,275,370
3,290,086
65 : 3,236,556
3,258,289
3,278,223
3,288,523
3,294,437
66 : 3,246,924
3,292,970
68 : 3,250,566
3,253,856
3,256,033
70 : 3,282,622
76 : 3,233,936
3,271,066
3,273,935
78 : 3,227,484
.1 : 3,284,130
91 : 3,281,181
95 : 3,279,845
95 : 3,281,182
97 : 3,228,722
3,244,447
3,246,925
3,259,424
3,261,638
3,265,434
3,276,813
3,282,623
3,282,624
100 : 3,231,305
102 : 3,256,034
107 : 3,227,485
3,276,814
116 : 3,271,067
117 : 3,227,486
3,235,303
3,251,625
3,252,731
120 : 3,271,068
121 : 3,266,838
136 : 3,237,982
3,241,877
137 : 3,233,937
3,237,983
3,239,269
3,252,732
3,253,857
3,290,087
3,290,088
3,292,971
145 : 3,236,557
146 : 3,288,524
152 : 3,294,438
3,294,439
153 : 3,264,031

Class 297

6 : 3,256,035
16 : 3,256,036
19 : 3,235,304
3,279,846
29 : 3,269,767
35 : 3,228,723
3,285,654
39 : 3,290,089
45 : 3,228,724
57 : 3,266,839
59 : 3,236,558
3,245,715
65 : 3,282,625
68 : 3,269,768
69 : 3,287,059
75 : 3,243,225
3,244,448
3,244,449
83 : 3,261,639
84 : 3,228,725
3,233,938
85 : 3,243,226
3,243,227
3,269,769
3,284,131
89 : 3,279,847
3,282,626
90 : 3,278,224
92 : 3,243,228
93 : 3,246,926
101 : 3,265,435
106 : 3,269,770
118 : 3,239,270
3,290,090
119 : 3,232,662
125 : 3,254,915
130 : 3,239,271
132 : 3,269,771
134 : 3,243,229
135 : 3,249,383
3,261,640
140 : 3,254,916
142 : 3,262,733
147 : 3,232,663
148 : 3,259,425
3,278,225
150 : 3,294,440
156 : 3,244,450
157 : 3,244,451
3,262,734
3,266,840
159 : 3,256,037
3,259,426
3,273,936
3,276,815
160 : 3,230,005
162 : 3,233,939
3,261,641
3,265,436
3,269,772
3,284,132
3,292,972
163 : 3,245,716
182 : 3,255,344
183 : 3,259,427
184 : 3,232,664
3,243,230
186 : 3,259,428
188 : 3,251,626
3,262,735
3,291,521
191 : 3,235,305
192 : 3,259,429
3,271,069
193 : 3,230,006
194 : 3,233,940
3,239,272
3,259,430
3,271,070
195 : 3,243,231
3,249,384
3,258,290
3,291,522
214 : 3,269,773
216 : 3,268,256
217 : 3,248,146
3,258,291
218 : 3,248,147
219 : 3,273,937
3,278,226
220 : 3,266,841
226 : 3,256,038
238 : 3,281,183
239 : Re.25,985
Re.26,071
3,236,559
3,246,927
3,246,928
3,256,039
3,275,371
3,278,227
3,291,523
244 : 3,230,007
248 : 3,227,487
3,237,984
3,281,184
253 : 3,262,736
254 : 3,245,717
3,272,553
3,285,655
256 : 3,237,985
3,272,554
3,279,848
257 : 3,241,878
268 : 3,258,292
284 : 3,241,879
3,279,849
3,288,525
285 : 3,275,372
296 : 3,235,306
3,294,441
298 : 3,294,442
302 : 3,241,880
3,290,091
3,291,524
303 : 3,240,528
3,259,431
3,278,228
304 : 3,250,567
3,284,133
308 : 3,291,525
309 : 3,237,986
3,261,642
310 : 3,256,040
3,272,556
317 : 3,252,734
321 : 3,235,307
322 : 3,254,917
327 : 3,240,529
3,250,568
328 : 3,253,858
329 : 3,284,134
330 : 3,227,488
3,250,569
332 : 3,287,060
335 : 3,279,850
337 : 3,235,308
3,285,656
345 : 3,231,306
3,278,229
353 : 3,291,527
354 : 3,259,432
3,288,526
355 : 3,288,527
359 : 3,276,816
361 : 3,284,135
367 : 3,259,433
369 : 3,272,555
3,294,443
374 : 3,237,987
3,285,657
375 : 3,271,071
377 : Re.26,070
3,276,817
3,290,092
378 : 3,265,437
379 : 3,262,737
380 : 3,265,438
384 : 3,249,385
384 : 3,278,230
385 : 3,228,726
3,232,665
3,239,273
3,241,881
3,241,882
3,244,452
3,259,434
3,265,439
3,279,851
3,285,659
3,287,061
3,291,528
3,294,444
386 : 3,269,774
388 : 3,227,489
3,230,008
3,230,009
3,231,307
3,241,883
3,243,232
3,245,718
3,246,929
3,248,148
3,248,149
3,249,386
3,251,627
3,257,146
3,257,147
3,262,738
3,265,440
3,266,842
3,272,557
3,278,231
3,279,852
3,287,062
3,287,063
3,288,528
3,291,526
3,294,445
3,294,446
3,294,447
389 : 3,227,490
3,233,941
3,243,233
3,258,293
3,275,373
390 : 3,287,064
395 : 3,285,658
397 : 3,245,719
3,253,859
3,254,918
3,271,072
3,292,973
400 : 3,292,974
403 : 3,275,374
410 : 3,231,308
412 : 3,279,853
416 : 3,241,884
3,244,453
417 : 3,249,387
422 : 3,236,560
3,271,073
423 : 3,245,720
426 : 3,271,074
3,273,938
3,287,065
3,292,975
3,294,448
427 : 3,236,561
3,268,257
3,294,451
429 : 3,230,010
433 : 3,257,148
437 : 3,249,388
438 : 3,227,491
3,264,033
439 : 3,271,075
440 : 3,241,885
3,253,860
3,258,294
3,266,843
441 : 3,230,011
3,248,150
442 : 3,250,570
445 : 3,230,012
3,271,076
3,275,375
3,276,818
3,285,660
3,291,529
446 : 3,230,013
448 : 3,256,041
451 : 3,235,309
3,284,136
452 : 3,252,735
3,252,736
3,266,844
3,281,185
3,291,530
453 : 3,253,861
3,262,739
455 : 3,259,435
456 : 3,264,034
457 : 3,243,234
459 : 3,257,149
460 : 3,288,529
461 : 3,240,530
462 : 3,252,737
463 : 3,233,942

Class 298

2 : 3,281,186
5 : 3,237,988
3,260,547
11 : 3,228,727
13 : 3,236,562
14 : 3,232,666
17 : 3,239,274
3,288,530
3,290,093
.5 : 3,231,309
19 : 3,237,989
21 : 3,232,667
22 : 3,256,042
3,262,740
3,271,077
3,272,558
3,279,854
23 : 3,230,014
3,235,310
3,254,919
3,288,531
25 : 3,271,078
35 : 3,248,151
3,254,920
38 : 3,236,563

Class 299

1 : 3,232,668
3,235,311
3,282,627
3,294,449
2 : 3,254,921
4 : 3,236,564
3,262,741
3,278,232
3,278,233
3,278,234
5 : 3,284,137
10 : 3,251,628
12 : 3,266,845
14 : 3,245,721
18 : 3,260,548
3,268,258
3,288,532
3,294,450
32 : 3,276,819
34 : 3,245,722
3,284,138
3,285,661
3,285,662
3,285,663
3,291,531
37 : 3,232,669
3,251,629
3,272,559
3,278,235
3,287,066
39 : 3,266,846
3,269,775
3,272,560
3,273,939
3,291,532
40 : 3,261,643
3,271,079
41 : 3,248,152
45 : 3,291,533
55 : 3,278,236
3,281,187
3,291,534
56 : 3,231,310
3,232,670
3,237,990
57 : 3,259,436
3,269,776
3,285,664
3,288,533
3,290,094
3,290,095
59 : 3,245,723
3,278,237
3,278,238
3,288,534
3,288,535
64 : 3,279,855
3,288,536
69 : 3,292,976
78 : 3,290,096
79 : 3,239,275
80 : 3,282,628
3,285,665
3,285,667
3,290,097
81 : 3,273,940
85 : 3,279,856
85 : 3,282,629
3,290,099
90 : 3,290,098
91 : 3,256,043
3,268,259
3,268,260
92 : 3,246,930
3,254,922
3,271,080
3,275,376
3,285,668
94 : 3,258,295
3,276,820

Class 300

2 : 3,231,311
3,246,931
3,264,035
3 : 3,241,886
3,261,644
4 : 3,243,235
3,279,857
5 : 3,230,015
3,260,549
11 : 3,279,858
14 : 3,268,261
16 : 3,279,859
17 : 3,227,492
3,233,943
21 : 3,233,944
3,239,276
3,248,153
3,254,923

Class 301

1 : 3,248,154
3,251,630
5 : 3,273,941
6 : 3,275,377
12 : 3,237,991
3,259,437
3,275,378
13 : 3,227,493
36 : 3,237,992
37 : 3,252,738
3,252,739
3,259,438
3,264,036
3,265,441
3,268,262
3,279,860
3,287,067
3,294,452
41 : 3,275,379
43 : 3,241,887
47 : 3,239,277
63 : 3,235,312
3,256,044
65 : 3,250,571
3,250,572
3,253,862

Class 302

2 : 3,246,932
3,294,453
3 : 3,245,724
14 : 3,232,671
3,232,672
3,235,313
3,244,455
3,254,924
3,257,150
3,268,263
3,269,777
3,271,081
3,285,669
3,287,068
3,294,454
17 : 3,235,314
3,236,565
3,258,296
3,266,847
3,273,942
3,279,861
20 : 3,269,778
23 : 3,279,862
3,285,670
24 : 3,240,531
25 : 3,276,821
28 : 3,244,454
3,249,389
3,253,863
3,265,442
3,272,561
29 : 3,231,312
3,232,673
3,250,573
3,253,864
3,253,865
3,266,848
3,268,264
29 : 3,268,265
3,279,863
34 : 3,228,728
3,251,631
3,260,550
3,262,742
37 : 3,231,313
3,250,574
3,271,082
3,291,535
42 : 3,240,532
49 : 3,231,314
3,233,945
3,240,533
3,268,266
3,284,139
3,291,536
50 : 3,271,083
51 : 3,239,278
3,245,725
3,258,297
52 : 3,264,037
3,268,267
3,269,779
53 : 3,230,016
3,237,993
3,253,866
3,279,864
3,288,537
55 : 3,272,562
56 : 3,239,279
58 : 3,285,671
59 : 3,257,151
3,265,443
3,273,943
3,284,140
60 : 3,230,017
3,251,632
3,269,780
61 : 3,265,444
3,268,268
64 : 3,265,445
66 : 3,264,038

Class 303

1 : 3,260,551
2 : 3,250,575
3,281,188
3 : 3,275,380
4 : Re.26,022
3,272,563
6 : 3,245,726
3,252,740
3,258,298
3,260,552
3,264,039
3,269,781
3,269,782
3,278,239
3,278,240
3,278,241
7 : 3,228,730
3,232,674
3,237,994
3,241,888
3,261,645
3,268,269
3,272,564
3,275,381
3,284,141
8 : 3,271,084
3,272,565
9 : 3,228,729
3,237,995
3,273,950
3,285,672
3,294,455
11 : 3,288,538
13 : 3,257,152
3,266,849
3,268,270
3,272,566
3,278,242
3,279,865
3,284,142
3,288,539
14 : 3,253,867
15 : 3,240,534
3,240,535
3,256,045
3,275,382
16 : 3,240,536
3,260,553
18 : 3,260,554
3,269,783
3,271,085
3,275,383
19 : 3,232,675
3,279,866
21 : 3,232,676
3,233,946
3,237,996
3,245,213

Class 303—Con.

21 : 3,245,727
3,245,728
3,256,046
3,260,555
3,260,556
3,264,040
3,265,446
3,275,384
3,278,243
3,288,540
3,291,537
3,291,538
3,292,977
3,292,978
22 : 3,233,947
3,237,997
3,256,047
3,257,153
3,285,673
24 : 3,245,729
3,276,822
29 : RE.25,969
3,240,537
3,240,538
3,240,539
3,272,567
30 : 3,275,385
40 : 3,227,494
3,259,439
3,285,674
49 : 3,260,557
52 : 3,227,495
3,265,447
3,266,850
3,266,851
3,269,784
3,279,867
3,291,539
54 : 3,236,567
3,266,852
3,284,143
56 : 3,245,730
59 : 3,252,741
60 : 3,228,731
61 : 3,231,315
66 : 3,232,677
69 : 3,244,456
80 : 3,232,678
82 : 3,268,271
83 : 3,240,540
84 : 3,237,998
86 : 3,265,448

Class 305

10 : 3,275,386
11 : 3,235,315
3,244,457
3,250,576
3,276,823
12 : 3,236,568
13 : 3,232,679
3,250,577
18 : 3,285,675
27 : 3,275,387
3,285,676
32 : 3,241,889
34 : 3,244,458
35 : 3,261,646
36 : 3,260,558
3,266,853
38 : 3,231,316
3,282,630
3,285,677
54 : 3,278,244
56 : 3,237,999
59 : 3,279,868

Class 306

1.6 : 3,279,869
3 : 3,227,496
13 : 3,291,540
19 : 3,233,948
22 : 3,256,048
26 : 3,239,280

Class 307

2 : 3,275,837
10 : 3,229,109
3,244,899
3,244,900
3,283,166
11 : 3,230,382
17 : 3,287,566
3,290,510
24 : 3,289,006
29 : 3,271,580
35 : 3,291,998
38 : 3,230,383
38 : 3,293,443
39 : 3,231,750
3,240,948
3,243,597
43 : 3,239,678
48 : 3,264,486
52 : 3,231,751
57 : 3,229,110
3,270,209
3,294,976
58 : 3,247,394
64 : 3,229,111
3,255,358
3,257,564
66 : 3,240,949
3,267,288
3,293,444
3,293,445
3,293,446
3,294,977
68 : 3,243,598
72 : 3,287,567
81 : 3,227,889
3,246,164
82 : 3,237,013
3,275,838
83 : 3,280,334
84 : 3,294,978
85 : 3,259,754
3,277,307
86 : 3,234,397
3,258,603
3,261,980
88 : 3,227,890
3,229,112
3,233,112
3,233,113
3,233,114
3,234,401
3,235,744
3,237,014
3,237,015
3,237,016
3,239,679
3,239,680
3,239,681
3,240,950
3,243,599
3,244,901
3,244,902
3,246,165
3,248,556
3,254,229
3,256,445
3,257,565
3,258,604
3,264,487
3,268,736
3,270,210
3,271,581
3,271,582
3,274,396
3,275,839
3,275,840
3,275,841
3,275,842
3,277,308
3,277,309
3,280,335
3,284,635
3,286,099
3,290,511
3,290,512
3,290,513
3,291,999
3,292,000
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3,292,002
3,294,979
.3 : 3,237,017
.3 : 3,247,395
.3 : 3,248,557
.3 : 3,260,852
.3 : 3,261,981
.3 : 3,261,982
.3 : 3,264,488
.3 : 3,280,336
.3 : 3,283,167
.3 : 3,287,568
.3 : 3,293,447
.5 : RE.25,978
.5 : RE.26,027
.5 : RE.26,036
.5 : RE.26,082
.5 : 3,227,892
.5 : 3,227,893
.5 : 3,227,894
.5 : 3,227,895
.5 : 3,227,896
.5 : 3,229,114
.5 : 3,229,115
.5 : 3,229,116
.5 : 3,229,117
88.5 : 3,229,118
.5 : 3,229,119
.5 : 3,229,120
.5 : 3,229,121
.5 : 3,230,384
.5 : 3,230,385
.5 : 3,230,386
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.5 : 3,230,391
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.5 : 3,230,400
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3,238,400
3,240,967
3,243,616
3,249,775
3,260,872
3,263,106
3,294,991
55 : 3,254,246
3,271,600
56 : 3,258,619
57 : 3,237,032
3,239,698
3,244,915
3,293,461
58 : 3,287,580
59 : 3,227,902
3,240,968
3,265,912
60 : 3,235,756
3,250,926
3,252,019
61 : 3,261,994
3,277,323
62 : 3,260,873
3,270,223
3,274,410
63 : 3,243,617
64 : 3,252,020
3,260,874
3,261,995
68 : 3,246,183
3,246,184
3,250,927
3,250,928
3,250,929
3,253,167
3,271,601
3,271,602
3,280,351
3,293,462
3,294,992
3,293,128
70 : 3,233,128
3,252,021
3,253,168
3,254,247
3,289,020
71 : 3,231,767
3,233,129
3,250,930
3,283,186
3,290,524
3,293,463
3,294,993
75 : 3,250,931
76 : 3,278,774
3,280,352
80 : 3,244,916
81 : 3,268,749
82 : 3,249,776
3,294,994
83 : 3,239,699
86 : 3,231,768
3,254,248
3,258,620
3,261,996
3,283,187
87 : 3,242,360
3,246,186
3,248,582
3,255,367
3,270,224
3,275,862
88 : 3,233,130
3,243,618
3,243,619
3,256,454
3,264,505
89 : 3,270,225
90 : 3,229,131
3,235,757
3,250,932
3,256,451
3,258,621
3,261,997
3,270,226
3,270,227
3,272,999
3,284,650
91 : 3,234,415
3,238,401
3,256,452
93 : 3,235,758
3,281,615
3,292,022
94 : 3,230,405
3,240,969
3,293,465
95 : 3,252,022
3,294,995
96 : 3,268,750
97 : 3,239,700
98 : 3,267,309
3,273,000
3,289,019
103 : 3,235,759
3,267,310
104 : 3,248,583
3,249,777
105 : 3,229,132
3,233,131
3,238,402
3,249,778
3,250,933
3,283,188
106 : 3,263,107
3,271,600
112 : 3,239,701
115 : 3,252,023
3,267,311
126 : 3,261,998
152 : 3,273,001
153 : 3,234,416
3,249,779
3,265,913
3,278,775
3,290,525
154 : 3,234,417
3,244,917
3,249,780
3,258,622
3,277,324
3,278,776
3,280,353
3,293,466
155 : 3,230,406
3,247,407
3,252,024
3,283,189
156 : 3,231,769
3,231,770
3,235,760
3,246,187
3,253,169
3,256,453
3,258,623
3,268,751
3,286,110
3,292,023
3,293,467
162 : 3,243,620
3,283,190
164 : 3,234,418
3,259,771
3,261,999
3,268,752
3,274,411
166 : 3,237,033
3,242,361
3,275,863
3,293,468
168 : 3,230,407
3,233,132
3,239,702
3,243,621
3,252,025
3,253,170
3,264,504
3,283,191
3,284,651
3,289,021
3,293,469
171 : 3,248,584
3,252,026
3,275,864
3,283,618
3,289,703
3,246,188
3,256,454
3,264,505
3,284,918
3,235,762
3,274,412
3,257,572
3,286,111
3,233,133
3,273,002
3,238,403
3,248,585
3,237,034
3,252,027
3,233,134
3,292,024
3,255,368
3,231,771
3,292,025
3,233,135
3,234,419
3,290,526
3,243,622
3,243,623
3,264,506
3,237,035
3,238,404
3,253,171
3,260,875
3,293,471
219 : 3,271,603
228 : 3,280,354
232 : 3,265,914
233 : 3,290,527
234 : 3,271,604
3,274,413
235 : 3,253,172
239 : 3,242,362
3,267,312
3,270,230
3,277,325
244 : 3,229,135
3,234,420
3,254,249
246 : 3,231,772
247 : 3,239,704
3,247,408
258 : 3,242,363
259 : 3,270,231
260 : 3,293,472
261 : 3,244,919
3,258,624
263 : 3,242,364
3,262,000
264 : 3,280,355
265 : 3,229,136
266 : 3,237,036
3,290,528
268 : 3,227,903
3,229,137
3,229,138
3,230,408
3,231,773
3,231,774
3,239,705
3,242,365
3,274,414
3,294,997
269 : 3,271,607
3,283,192

Class 312

7 : 3,231,321
10 : 3,254,927
12 : 3,288,543
13 : 3,265,453
14 : 3,245,736
23 : 3,248,609
26 : 3,264,046
27 : 3,239,294
30 : 3,253,870
31 : 3,245,737
.2 : 3,233,951
.2 : 3,271,089
35 : 3,227,500
3,245,738
36 : 3,276,829
3,287,073
38 : 3,245,739
3,265,454
39 : 3,243,244
3,294,460
40 : 3,239,295
3,246,937
41 : 3,271,090
42 : 3,235,318
3,272,577
71 : 3,230,024
3,248,156
3,276,830
3,278,246
3,284,147
3,291,544
97 : 3,227,501
3,287,074
.1 : 3,241,897
.1 : 3,254,928
107 : 3,238,001
3,241,898
108 : 3,243,245
3,250,582
3,262,745
3,275,392
3,276,831
3,287,075
116 : 3,241,899
3,269,787
118 : 3,249,392
122 : 3,251,636
126 : 3,259,443
140 : 3,228,736
3,276,832
.1 : 3,256,053
.1 : 3,288,544
.3 : 3,262,746
183 : 3,236,574
3,291,545
184 : 3,253,871
3,281,193
3,292,982
189 : 3,253,872
3,261,649
193 : 3,288,545
194 : 3,241,900
3,243,246
3,290,104
198 : 3,257,154
3,268,281
3,272,578
199 : 3,281,194
3,282,634
200 : 3,269,788
201 : 3,241,901

Class 312—Con.

204 : 3,236,575
3,239,296
3,268,282
3,285,681
206 : 3,228,737
3,287,076
208 : 3,253,873
209 : 3,250,583
3,257,155
3,278,247
3,281,195
3,284,148
3,290,105
213 : 3,231,322
3,236,576
3,245,740
3,254,929
3,294,461
214 : 3,227,502
3,238,002
3,240,544
3,264,047
3,272,579
3,272,580
3,275,393
3,282,635
3,291,546
3,294,462
217 : 3,287,077
218 : 3,284,149
219 : 3,238,003
3,241,902
221 : 3,259,444
222 : 3,290,106
223 : 3,232,685
3,235,319
3,236,577
3,245,741
3,246,938
3,276,833
3,279,871
3,285,682
224 : 3,260,559
227 : 3,244,464
3,251,637
228 : 3,292,983
229 : 3,233,952
3,269,789
3,292,984
231 : 3,239,297
3,244,465
3,271,091
234 : 3,227,503
3,231,323
.1 : 3,290,107
.3 : 3,239,298
.3 : 3,252,746
.4 : 3,227,504
.4 : 3,254,930
.4 : 3,272,581
.5 : 3,259,445
.5 : 3,262,747
.5 : 3,294,463
235 : 3,232,686
3,254,931
3,279,872
3,284,150
236 : 3,261,650
238 : 3,258,302
3,260,560
239 : 3,244,466
242 : 3,276,834
244 : 3,233,953
3,251,638
3,284,151
246 : 3,285,683
252 : 3,266,857
253 : 3,281,196
255 : Re.26,105
3,239,299
3,250,584
257 : 3,230,025
3,248,157
3,253,874
3,269,791
3,272,582
3,275,394
3,284,152
3,285,684
258 : 3,294,464
259 : 3,279,873
262 : 3,260,561
263 : 3,268,283
3,268,284
3,287,078
264 : 3,240,545
267 : 3,240,546
270 : 3,266,858
273 : 3,257,156
274 : 3,240,547
3,246,939
3,248,158
279 : 3,246,940
280 : 3,282,636
281 : 3,290,108
287 : 3,285,685
290 : 3,261,651
291 : 3,287,079
293 : 3,228,738
295 : 3,265,455
3,268,285
296 : 3,248,159
3,259,446
3,264,048
297 : 3,294,465
304 : 3,245,742
3,248,160
3,264,049
305 : 3,281,197
308 : 3,228,739
3,278,248
311 : 3,227,505
3,271,092
313 : 3,230,026
319 : 3,248,161
3,250,585
3,273,951
320 : 3,228,740
3,245,743
3,275,395
3,279,874
3,279,875
3,292,985
323 : 3,266,859
325 : 3,264,050
326 : 3,290,109
328 : 3,257,157
3,269,790
3,278,249
329 : 3,235,320
3,285,686
330 : 3,238,004
3,273,952
331 : 3,284,153
3,291,547
333 : 3,243,247
3,244,467
3,245,744
3,276,835
3,292,986
336 : 3,232,687
339 : 3,278,250
341 : 3,275,396
343 : 3,272,583
3,281,198
3,294,466
348 : 3,259,447
350 : 3,265,456
3,266,860
351 : 3,251,639
3,279,876
3,294,467

Class 313

1 : 3,238,405
3,242,366
3,264,507
3,292,026
3 : 3,263,108
7 : 3,259,772
3,267,313
11 : 3,275,865
.5 : 3,229,139
13 : 3,246,189
17 : 3,250,934
21 : 3,227,904
24 : 3,292,027
25 : 3,234,421
3,249,781
3,274,415
3,294,998
30 : 3,292,028
32 : 3,246,190
34 : 3,252,028
35 : 3,289,022
37 : 3,248,586
3,275,866
38 : 3,270,232
3,281,616
39 : 3,227,905
40 : 3,277,326
42 : 3,229,140
43 : 3,278,778
45 : 3,227,906
49 : 3,243,624
3,262,001
3,267,314
50 : 3,244,920
3,290,529
52 : 3,262,002
55 : 3,239,706
3,277,327
56 : 3,267,315
3,283,203
3,286,112
57 : 3,259,773
59 : 3,287,581
60 : 3,230,409
61 : 3,240,970
3,240,971
3,246,191
3,281,617
62 : 3,239,707
63 : 3,255,369
3,264,508
3,275,867
3,275,868
3,283,193
3,287,582
65 : 3,249,782
3,249,783
3,252,029
3,254,250
3,257,573
3,271,608
3,274,416
3,275,869
3,280,356
3,280,357
3,289,024
3,290,530
66 : 3,252,030
67 : 3,259,774
68 : 3,229,141
3,229,142
3,234,422
3,249,784
3,249,785
3,260,876
3,284,652
3,293,473
3,293,474
69 : 3,258,625
3,268,753
3,270,233
3,290,531
70 : 3,250,935
3,254,251
3,260,877
3,265,915
3,294,999
71 : 3,278,780
3,278,781
73 : 3,237,037
75 : 3,274,417
3,274,418
3,287,583
76 : 3,246,192
77 : 3,247,409
3,290,532
3,290,533
3,290,534
78 : 3,247,410
79 : 3,240,972
82 : 3,239,708
3,249,786
3,252,031
3,252,032
3,258,626
3,258,627
3,267,316
3,271,609
3,273,003
3,277,328
3,278,779
3,286,113
3,295,000
3,295,001
83 : 3,240,973
3,263,109
3,270,234
3,286,114
84 : 3,234,423
3,247,411
3,252,033
3,255,370
3,268,754
3,287,584
85 : 3,248,587
3,250,936
3,273,038
89 : 3,242,367
3,256,455
3,284,653
3,287,585
91 : 3,255,371
92 : 3,231,775
3,237,039
3,240,974
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3,247,412
3,249,787
3,255,372
3,271,610
3,280,358
3,281,618
3,284,654
93 : 3,250,937
3,259,775
93 : 3,277,329
94 : 3,238,406
3,244,921
3,254,252
3,278,782
95 : 3,239,709
3,243,626
3,244,922
101 : 3,247,413
3,278,783
102 : 3,243,627
3,254,253
103 : 3,243,628
104 : 3,260,878
105 : 3,229,143
3,265,916
106 : 3,234,424
3,256,458
107 : 3,252,034
108 : 3,238,407
3,242,368
3,243,629
3,246,193
3,247,414
3,248,588
3,252,035
3,253,173
3,254,254
3,258,628
3,258,629
3,260,879
3,263,110
3,267,317
3,267,318
3,268,755
3,270,235
3,274,419
3,275,870
3,275,871
3,278,784
3,281,619
3,283,194
3,286,115
3,289,025
3,290,535
3,290,536
3,290,537
3,295,002
109 : 3,242,369
3,243,630
3,247,415
3,249,788
3,255,373
3,258,630
3,263,111
3,265,917
3,274,420
3,275,872
3,287,586
3,290,538
3,295,003
.5 : 3,231,776
.5 : 3,237,040
.5 : 3,242,370
.5 : 3,244,923
.5 : 3,248,589
.5 : 3,250,938
.5 : 3,260,880
.5 : 3,260,881
.5 : 3,260,882
.5 : 3,274,421
.5 : 3,280,359
110 : 3,247,416
3,253,174
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111 : 3,259,776
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112 : 3,252,036
3,258,631
113 : 3,249,789
3,250,939
3,256,456
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3,292,029
114 : 3,290,539
117 : 3,293,475
133 : 3,286,147
134 : 3,235,763
137 : 3,278,785
3,295,005
138 : 3,229,144
141 : 3,243,631
3,252,037
3,256,457
143 : 3,239,710
145 : 3,274,423
146 : 3,229,145
3,235,764
3,244,924
3,290,540
149 : 3,271,611
153 : 3,264,509
153 : 3,270,236
3,290,541
154 : 3,287,588
157 : 3,278,786
161 : Re.25,982
3,268,756
3,287,589
167 : 3,246,194
171 : 3,254,255
174 : 3,277,330
176 : 3,264,510
178 : 3,227,907
3,290,542
180 : 3,254,256
3,287,590
182 : 3,275,873
183 : 3,275,874
184 : 3,248,590
3,259,777
185 : 3,237,041
3,238,408
3,275,875
3,283,195
188 : 3,267,319
192 : 3,253,175
198 : 3,263,112
199 : 3,258,632
201 : 3,233,137
204 : 3,237,042
3,253,176
3,254,257
3,278,787
205 : 3,242,371
207 : 3,262,003
209 : 3,264,511
211 : 3,244,925
213 : 3,243,632
217 : 3,230,410
3,248,591
3,259,778
220 : 3,262,004
3,270,237
3,271,612
221 : 3,259,779
222 : 3,240,975
3,242,372
3,247,417
223 : 3,237,043
3,263,113
3,268,757
224 : 3,277,331
227 : 3,250,940
230 : 3,258,633
3,265,918
231 : 3,230,411
3,253,177
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3,258,634
3,258,635
3,259,780
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3,280,360
3,283,196
3,289,026
3,289,027
237 : 3,240,976
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3,274,425
238 : 3,240,977
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3,275,876
239 : 3,231,777
240 : 3,246,195
3,265,920
3,283,198
243 : 3,227,908
3,252,038
3,259,781
244 : 3,250,941
3,252,039
3,292,030
245 : 3,244,926
250 : 3,229,146
3,242,373
3,264,512
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256 : 3,249,790
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3,254,258
260 : 3,254,259
265 : 3,252,041
266 : 3,283,197
268 : 3,260,883
269 : 3,237,044
3,295,006
270 : 3,234,425
3,240,978
3,244,927
271 : 3,238,409
3,243,633
3,244,928
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271 : 3,287,591
273 : 3,295,007
274 : 3,286,116
279 : 3,237,045
3,270,238
3,286,117
285 : 3,243,634
286 : 3,284,655
292 : 3,265,921
293 : 3,249,791
3,254,260
296 : 3,268,760
297 : 3,250,942
306 : 3,267,320
3,283,199
308 : 3,253,204
3,255,374
310 : 3,246,196
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311 : 3,244,929
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313 : 3,231,778
315 : 3,227,909
317 : 3,240,979
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318 : 3,227,910
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3,289,028
324 : 3,252,042
330 : 3,243,636
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336 : 3,259,782
337 : 3,227,911
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3,255,375
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339 : 3,253,180
341 : 3,227,912
342 : 3,259,784
345 : 3,246,197
3,246,198
346 : 3,242,374
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3,243,638
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348 : 3,238,410
3,238,411
3,252,043
3,252,044
3,253,181
3,253,182
350 : 3,240,981
3,258,637
355 : 3,248,592

Class 314

1 : 3,259,785
20 : 3,244,931
26 : 3,278,790
34 : 3,256,459
3,274,427
45 : 3,270,239
61 : 3,230,412
3,289,029
63 : 3,262,006
69 : 3,293,477
75 : 3,229,148

Class 315

3 : 3,259,786
3,265,925
3,267,321
3,270,240
3,270,241
3,280,361
3,292,031
3,295,008
.5 : 3,227,913
.5 : 3,227,914
.5 : 3,230,413

11 : 3,295,010
12 : 3,233,140
3,235,765
3,238,412
3,240,988
3,243,643
3,243,644
3,259,791
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3,290,546
13 : 3,247,418
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3,275,882
14 : 3,262,007
15 : 3,243,645
3,270,243
16 : 3,243,646
3,265,926
17 : 3,284,662
3,286,123
18 : 3,252,045
3,267,323
20 : 3,233,141
21 : Re.26,035
3,278,794
3,284,658
22 : 3,229,149
3,237,048
3,243,647
3,249,796
3,250,948
3,258,642
3,258,643
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3,281,623
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3,284,663
23 : 3,293,485
24 : 3,292,034
27 : 3,229,150
3,229,151
3,230,414
3,233,142
3,233,143
3,235,766
3,235,767
3,247,419
3,248,598
3,257,578
3,271,617
3,273,007
3,273,008
3,273,009
3,286,124
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3,287,595
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3,293,486
30 : 3,256,460
3,277,335
31 : 3,230,415
3,233,144
3,250,949
3,289,034
35 : 3,267,324
36 : 3,230,416
3,242,376
3,246,199
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3,273,010
3,290,547
39 : 3,235,768
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3,254,263
3,270,244
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.3 : 3,231,780
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.3 : 3,271,618
.3 : 3,274,431
.51 : 3,289,035
.51 : 3,290,548
.53 : 3,231,781
.53 : 3,289,023
.53 : 3,289,036
.55 : 3,263,118
.55 : 3,289,037
.61 : 3,247,421
.61 : 3,262,009
.63 : 3,274,432
.63 : 3,286,125
.65 : 3,293,487
.71 : 3,229,152
.73 : 3,274,433
.75 : 3,255,377
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46 : 3,283,202
53 : 3,234,428
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58 : 3,283,204
59 : 3,293,488
62 : 3,252,046
63 : 3,262,010
66 : 3,227,920
68 : 3,260,888
69 : 3,249,797
71 : 3,233,145
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73 : 3,249,798
74 : 3,264,516
77 : 3,240,989
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82 : 3,237,050
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83 : 3,270,245
3,277,336
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84 : 3,265,927
.6 : 3,242,377
.6 : 3,242,378
.6 : 3,255,378
.6 : 3,289,038
.6 : 3,290,551
.6 : 3,292,036
86 : 3,259,793
94 : 3,246,200
97 : 3,233,146
98 : 3,239,714
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99 : 3,227,921
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108 : 3,239,715
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139 : 3,242,380
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149 : 3,230,421
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152 : 3,295,012
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161 : 3,254,266
162 : 3,231,782
163 : 3,267,328
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165 : 3,292,040
166 : 3,249,801
167 : 3,249,802
168 : 3,248,603
3,249,803
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169 : 3,240,990
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170 : 3,246,202
171 : 3,229,159
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173 : 3,253,184
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174 : 3,259,796
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175 : 3,229,160
176 : 3,235,769
177 : 3,230,422
180 : 3,293,492
183 : 3,267,329
187 : 3,242,381
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3,250,952
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194 : 3,243,652
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196 : 3,229,161
199 : 3,249,807
3,265,929
200 : 3,233,148
3,250,953
3,280,367
201 : Re.25,989
3,253,185
3,283,206
205 : 3,264,518
206 : 3,247,422
3,264,519
3,274,438
208 : 3,246,203
3,263,121
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209 : 3,234,430
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210 : 3,271,621
212 : 3,260,891
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3,273,014
213 : 3,248,604
214 : 3,250,955
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3,259,799
3,277,340
218 : 3,253,187
3,264,520
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219 : 3,249,808
3,263,125
3,295,014
224 : 3,264,521
227 : 3,257,583
232 : 3,234,431
237 : 3,244,936
3,274,439
239 : 3,235,770
3,240,991
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3,295,015
241 : 3,248,605
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243 : 3,280,369
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246 : 3,271,622
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248 : 3,227,923
254 : 3,240,992
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259 : 3,233,149
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276 : 3,229,162
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284 : 3,264,522
289 : 3,243,654
290 : 3,280,371
291 : 3,249,809
292 : 3,265,932
297 : 3,231,783
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306 : 3,260,892
307 : 3,289,040
312 : 3,231,784
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313 : 3,246,204
323 : 3,238,417
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326 : 3,262,013
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330 : 3,275,885
357 : 3,247,423
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3,292,041
358 : 3,293,493

Class 316

1 : 3,233,954
3,251,640
2 : 3,276,836
3,287,080
3 : 3,290,110
10 : 3,262,748
16 : 3,230,027
3,266,861
3,279,877
17 : 3,295,016
18 : 3,291,548
19 : 3,251,641
20 : 3,230,028
21 : 3,291,549
3,292,987
24 : 3,239,300
3,241,903
3,294,468
25 : 3,227,506
3,275,397
27 : 3,275,398
30 : 3,233,955
3,285,687
32 : 3,292,988

Class 317

2 : Re.25,957
3,235,772
3,260,893
3,268,766
3,268,767
3,274,442
3,280,372
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3,283,210
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3,292,042
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3 : 3,239,717
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3,292,046
4 : 3,230,423
5 : 3,237,054
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5 : 3,289,041
6 : 3,240,995
3,264,523
9 : 3,244,937
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3,293,496
12 : 3,246,205
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3,249,811
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3,249,813
3,249,814
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13 : 3,248,608
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14 : 3,254,268
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15 : 3,249,815
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16 : 3,253,189
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20 : 3,262,015
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22 : 3,229,164
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23 : 3,295,018
27 : 3,248,610
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29 : 3,277,343
31 : 3,243,658
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32 : 3,239,718
33 : 3,238,418
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35 : 3,260,896
36 : 3,240,998
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39 : 3,278,804
40 : 3,258,647
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41 : 3,249,816
43 : 3,235,773
46 : 3,242,383
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47 : 3,258,648
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50 : 3,293,498
53 : 3,295,022
54 : 3,295,023
58 : 3,227,925
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60 : 3,275,892
61 : 3,274,447
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72 : 3,252,054
80 : 3,281,626
81 : 3,246,207
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86 : 3,273,019
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96 : 3,262,019
99 : 3,243,659
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101 : Re.26,089
3,227,926
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103 : 3,235,774
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104 : 3,286,133
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109 : 3,229,165
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112 : 3,252,056
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113 : 3,244,940
114 : 3,283,214
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116 : 3,263,131
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124 : 3,237,057
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129 : 3,227,929
132 : 3,229,167
3,234,434
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134 : 3,242,388
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135 : 3,260,898
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146 : Re.25,977
3,252,057
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147 : 3,229,169
3,233,152
3,284,673
148 : 3,258,654

Class 317—Con.

148.5 : 3,231,786
.5 : 3,231,787
.5 : 3,233,153
.5 : 3,235,775
.5 : 3,237,058
.5 : 3,238,423
.5 : 3,239,723
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153 : 3,239,724
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155 : 3,271,630
.5 : 3,254,269
.5 : 3,265,938
156 : 3,246,210
157 : 3,254,272
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.62: 3,275,900
158 : 3,227,930
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164 : 3,250,962
165 : 3,239,727
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173 : 3,230,426
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3,267,342
3,270,261
3,273,032
3,273,033
3,274,467
3,274,468
3,275,914
3,275,915
3,277,354
3,278,815
3,278,816
3,284,683
3,289,058
3,289,059
3,292,061
3,292,062
259 : 3,237,067
3,242,401
3,242,402
260 : 3,227,934
3,229,174
3,235,780
3,239,732
3,242,403
3,243,675
3,244,953
3,248,619
3,253,199
3,256,472
3,258,666
3,260,905
3,260,906
3,267,343
3,271,642
3,273,034
3,275,916
3,284,684
3,290,571
3,292,063
261 : 3,238,429
3,248,620
3,249,835
3,260,907
3,284,685
262 : 3,230,432
3,233,156
3,237,068
3,247,430
3,253,200
3,253,201
3,284,686
3,286,141
3,287,614
3,289,060

Class 318

6 : 3,229,175
3,248,621
3,280,393
7 : 3,244,954
3,244,955
3,283,228
3,295,032
8 : 3,231,801
3,246,218
3,268,785
16 : 3,229,176
3,263,141
17 : 3,249,836
18 : 3,235,781
3,238,430
3,239,733
3,241,015
3,241,016
3,244,956
3,246,219
3,246,220
3,258,667
3,262,034

18 : 3,265,946
3,273,035
3,275,917
3,278,817
3,283,229
3,283,230
3,286,142
3,286,143
3,286,144
3,289,061
3,295,033
19 : 3,234,443
3,259,819
3,262,035
3,270,262
23 : 3,239,734
28 : 3,227,935
3,230,433
3,237,070
3,239,735
3,239,736
3,246,221
3,247,431
3,248,622
3,259,820
3,259,821
3,260,908
3,277,355
3,287,615
29 : 3,231,802
3,246,222
3,254,283
30 : 3,234,444
3,259,822
3,271,643
3,283,231
31 : 3,273,036
3,283,232
3,286,145
3,286,146
32 : 3,259,823
33 : 3,243,676
3,256,473
3,280,394
37 : 3,287,616
3,293,515
39 : 3,239,737
3,267,344
41 : 3,260,909
45 : 3,231,803
52 : 3,267,345
3,274,469
59 : 3,265,947
73 : 3,294,191
99 : 3,237,071
3,263,142
3,275,918
114 : 3,271,644
116 : 3,233,157
117 : 3,229,177
118 : 3,254,284
119 : 3,278,818
127 : 3,292,064
128 : 3,268,786
3,293,516
130 : 3,238,431
132 : 3,248,623
3,295,036
135 : 3,292,065
138 : 3,227,936
3,229,178
3,229,179
3,230,434
3,239,738
3,239,739
3,241,017
3,241,018
3,242,404
3,242,405
3,242,406
3,243,677
3,243,678
3,247,432
3,247,433
3,250,971
3,254,285
3,254,286
3,257,593
3,257,594
3,264,538
3,264,539
3,267,346
3,274,470
3,274,471
3,280,395
3,280,396
3,281,629
3,281,630
3,281,631
3,283,233
3,284,687
3,287,617
3,290,572
139 : 3,241,019

139 : 3,264,540
3,280,397
3,289,062
141 : 3,250,972
143 : 3,242,407
147 : 3,250,973
148 : 3,271,645
160 : 3,277,356
162 : 3,241,020
3,241,021
3,246,223
3,248,624
166 : 3,280,398
167 : 3,293,517
171 : 3,264,541
3,280,399
3,290,573
175 : 3,234,445
3,238,432
176 : 3,249,837
3,293,518
197 : 3,242,408
3,250,974
3,252,066
3,263,143
200 : 3,274,472
202 : 3,270,263
203 : 3,248,625
3,286,148
207 : 3,234,446
3,252,067
3,259,824
3,268,787
208 : 3,231,804
211 : 3,281,632
3,292,066
212 : 3,233,158
3,254,287
3,281,633
214 : 3,290,574
215 : 3,238,433
218 : 3,271,646
220 : 3,237,072
3,264,542
221 : 3,229,180
3,243,679
3,248,627
3,255,397
3,258,668
3,286,149
3,292,067
3,293,519
223 : 3,270,264
224 : 3,233,159
3,233,160
3,263,144
3,295,034
225 : 3,260,910
227 : 3,253,202
3,265,948
3,293,520
229 : 3,235,782
3,250,975
230 : 3,262,036
231 : 3,248,628
3,262,037
234 : 3,271,647
237 : 3,227,937
238 : 3,231,805
243 : 3,250,976
3,254,288
3,265,949
3,280,400
245 : 3,286,150
3,295,035
246 : 3,237,073
252 : 3,231,806
3,252,068
3,253,203
3,283,227
3,289,063
254 : 3,250,977
257 : 3,233,161
3,248,629
3,249,838
3,278,819
258 : 3,280,401
261 : 3,227,938
3,241,022
3,265,950
3,290,575
3,295,037
264 : Re.25,959
3,233,162
265 : Re.26,118
3,262,038
266 : 3,248,630
3,263,145
3,264,543
267 : 3,239,740
3,287,618
270 : 3,278,820
281 : 3,293,521
282 : 3,247,434

282 : 3,295,038
284 : 3,230,435
293 : 3,229,181
3,243,680
3,263,146
297 : 3,230,436
304 : 3,277,357
308 : 3,237,074
3,252,069
311 : 3,274,473
313 : 3,231,807
3,239,741
314 : 3,241,023
3,257,595
3,258,669
3,268,788
3,268,789
3,281,634
3,281,635
3,295,039
325 : 3,238,434
3,242,409
326 : 3,295,040
327 : 3,233,163
3,234,447
3,237,075
3,249,839
3,257,596
3,262,039
3,262,040
3,292,068
3,293,522
329 : 3,246,224
331 : 3,229,182
3,231,808
3,237,076
3,239,742
3,241,024
3,242,410
3,249,840
3,264,544
3,268,790
3,271,648
3,278,821
3,283,234
3,283,235
3,286,151
3,293,523
3,293,524
332 : 3,243,681
3,247,435
3,274,474
3,284,688
338 : 3,230,437
3,241,025
3,260,911
341 : 3,259,825
3,260,912
3,284,689
344 : 3,257,597
345 : 3,250,978
3,292,069
347 : 3,248,626
353 : 3,263,147
367 : 3,249,841
369 : 3,227,939
3,238,435
3,260,913
3,262,041
372 : 3,270,265
376 : 3,271,649
388 : 3,230,438
395 : 3,250,944
3,250,979
400 : 3,231,809
431 : 3,244,957
434 : 3,247,436
442 : 3,241,026
3,248,631
443 : 3,234,448
3,257,598
3,260,914
3,262,042
447 : 3,248,632
3,253,205
3,283,236
454 : 3,259,826
460 : 3,268,791
461 : 3,234,449
466 : 3,253,206
467 : 3,247,437
3,265,951
3,273,037
3,293,525
470 : 3,250,980
471 : 3,290,576
472 : 3,247,438
3,292,070
475 : 3,238,436
476 : 3,229,183
3,254,289
484 : 3,293,526
489 : 3,241,027
3,271,650

Class 320

1 : 3,237,077
3,244,958
3,247,439
3,247,440
3,248,633
3,253,207
3,262,043
3,270,266
3,271,651
3,274,475
3,278,822
3,289,064
3,293,527
2 : 3,257,599
3,257,600
3,273,038
3,274,476
3,275,919
3,281,636
3,281,637
3,293,528
5 : 3,255,398
6 : 3,258,670
7 : 3,256,474
3,286,152
12 : 3,247,441
14 : 3,238,437
15 : 3,293,529
17 : 3,237,078
21 : 3,252,070
22 : 3,258,671
3,264,545
23 : 3,278,823
25 : 3,258,672
3,267,347
3,267,348
3,292,071
26 : 3,273,039
29 : 3,278,824
35 : 3,264,546
3,274,477
39 : 3,231,810
3,241,028
3,247,442
40 : 3,241,029
3,281,638
3,289,065
43 : 3,242,411
3,281,639
44 : 3,271,652
46 : 3,243,682
3,252,071
3,281,640
48 : 3,231,811
3,241,030
51 : 3,230,439
56 : 3,238,438
3,270,267
59 : 3,241,031
3,277,358
61 : 3,270,268
68 : 3,247,443

Class 321

1 : 3,289,066
2 : 3,234,450
3,241,032
3,243,683
3,244,959
3,246,225
3,246,226
3,248,634
3,267,349
3,270,269
3,273,040
3,289,067
3,295,041
3,295,042
3,295,043
4 : 3,246,227
3,247,444
3,248,635
3,259,827
3,273,041
5 : 3,241,033
3,249,842
3,252,073
3,257,601
3,258,673
3,271,654
3,278,825
3,290,577
3,295,044
7 : 3,246,228
3,259,828
3,262,044
3,263,148
3,271,655
3,295,045
8 : 3,234,451
3,235,783

8 : 3,237,079
3,239,743
3,241,034
3,244,960
3,247,445
3,248,636
3,252,072
3,255,399
3,257,602
3,264,547
3,275,920
3,275,921
3,278,826
3,281,641
3,284,690
3,286,153
3,289,068
3,293,530
3,295,046
9 : 3,237,080
3,243,684
3,290,578
3,290,579
3,292,072
10 : 3,229,184
3,246,229
3,257,603
11 : 3,227,940
3,230,440
3,242,412
3,253,208
3,254,290
3,260,915
3,277,359
13 : 3,260,916
14 : 3,234,452
3,247,446
3,247,447
15 : 3,246,230
3,249,843
3,259,829
3,259,830
3,275,922
3,290,580
3,292,073
3,295,047
16 : 3,243,685
3,259,831
3,262,045
3,273,042
3,277,360
3,281,642
3,284,691
3,284,692
3,287,619
3,293,531
3,295,048
18 : 3,229,185
3,229,186
3,231,812
3,235,784
3,237,081
3,237,082
3,241,035
3,242,413
3,242,414
3,248,637
3,248,638
3,253,209
3,256,475
3,258,674
3,260,917
3,260,918
3,260,919
3,260,920
3,262,046
3,265,952
3,267,350
3,270,270
3,273,043
3,274,478
3,286,154
3,289,069
3,293,532
19 : 3,267,351
25 : 3,237,083
3,258,675
3,258,676
3,270,271
3,274,479
26 : 3,229,187
27 : 3,229,188
3,248,639
3,254,291
3,295,049
32 : 3,270,272
34 : 3,241,036
3,283,237
36 : 3,229,189
37 : 3,241,037
43 : 3,262,047
3,273,045
44 : 3,241,038
3,241,039

44 : 3,249,844
3,263,149
3,278,827
3,287,620
45 : 3,229,190
3,229,191
3,242,415
3,243,686
3,248,640
3,252,074
3,254,292
3,257,604
3,260,921
3,263,150
3,263,151
3,263,152
3,263,153
3,264,548
3,265,953
3,273,046
3,281,643
3,281,644
3,286,155
3,290,581
46 : 3,268,793
3,278,828
47 : 3,242,416
3,260,922
3,270,273
3,281,645
3,293,533
48 : 3,273,047
52 : 3,230,441
57 : 3,244,961
60 : 3,258,677
3,277,361
61 : 3,249,845
3,256,244
3,274,480
63 : 3,237,084
66 : 3,268,794
68 : 3,229,192
3,247,448
3,262,048
3,264,549
3,274,481
3,292,074
3,295,050
69 : 3,229,193
3,235,785
3,239,744
3,246,231
3,255,400
3,263,154
3,267,352
3,268,795
3,271,656
3,274,482
3,278,829
3,278,830
3,281,646
3,281,647
3,281,648
3,286,156
3,287,621
3,287,622
3,289,070
3,292,075
3,293,534
3,295,051
70 : 3,260,923
101.8 : 3,273,044

Class 322

2 : 3,239,745
3,243,687
3,255,401
3,273,048
3,275,923
3,284,693
16 : 3,227,941
3,237,085
3,237,086
24 : 3,241,040
25 : 3,239,746
3,242,417
3,281,649
3,281,650
3,290,582
28 : 3,230,442
3,230,443
3,233,164
3,242,418
3,249,846
3,252,075
3,253,210
3,257,605
3,258,678
3,263,155
3,265,954
3,268,796
3,273,049
3,273,050

28 : 3,275,924
3,278,831
3,284,694
3,289,071
3,293,535
3,293,536
32 : 3,239,747
3,253,211
36 : 3,249,847
49 : 3,252,076
57 : 3,243,688
60 : 3,246,232
3,256,476
63 : 3,238,439
70 : 3,238,440
73 : 3,230,444
3,254,293
90 : 3,267,353
95 : 3,248,641
99 : 3,249,848
3,254,294

Class 323

4 : 3,246,233
3,259,832
3,259,833
3,275,925
6 : 3,246,234
3,293,537
9 : 3,263,156
3,264,550
3,283,238
3,290,583
3,293,538
16 : 3,281,651
18 : 3,260,924
3,275,926
3,286,157
19 : 3,258,679
3,281,652
21 : 3,248,642
3,267,354
22 : Re.26,119
3,227,942
3,229,194
3,233,165
3,234,453
3,235,786
3,235,787
3,237,087
3,237,088
3,241,041
3,241,042
3,241,043
3,241,044
3,241,045
3,241,046
3,243,689
3,243,690
3,243,711
3,244,962
3,244,963
3,244,964
3,244,965
3,248,643
3,249,849
3,250,981
3,252,077
3,255,402
3,258,680
3,259,834
3,259,835
3,263,157
3,265,955
3,265,956
3,265,957
3,268,797
3,275,927
3,278,832
3,284,695
3,286,158
3,287,623
3,293,539
3,295,052
3,295,053
3,295,054
23 : 3,239,748
24 : 3,277,362
37 : 3,281,653
43.5 : 3,235,788
.5 : 3,237,091
.5 : 3,238,441
.5 : 3,239,749
.5 : 3,241,047
.5 : 3,244,966
.5 : 3,252,078
.5 : 3,254,295
.5 : 3,254,296
.5 : 3,255,403
.5 : 3,275,928
.5 : 3,275,929
.5 : 3,287,624
44 : 3,237,089

44 : 3,241,048
3,255,404
3,263,158
3,271,657
3,271,658
3,275,930
45 : 3,233,166
3,235,789
3,237,090
3,241,049
3,252,079
3,273,051
3,281,654
3,286,159
47 : 3,238,442
3,249,850
3,271,659
48 : 3,273,052
3,273,053
3,284,696
50 : 3,250,982
51 : 3,235,790
3,278,833
3,281,655
53 : 3,250,983
56 : 3,242,419
3,253,212
58 : 3,241,050
3,242,420
60 : 3,247,449
3,247,450
3,249,851
61 : 3,239,750
3,241,051
65 : 3,233,167
66 : 3,227,943
3,233,168
3,235,791
3,238,443
3,238,444
3,247,451
3,268,798
68 : 3,270,274
3,293,540
69 : 3,249,852
3,278,834
74 : 3,239,751
3,252,080
3,264,551
3,274,483
3,284,697
3,295,055
75 : 3,235,792
3,238,445
3,257,606
3,271,660
3,281,656
3,281,657
3,283,239
3,284,698
76 : 3,260,925
3,264,552
3,265,958
3,286,160
78 : 3,295,056
79 : 3,264,553
3,270,275
3,281,658
80 : 3,243,691
3,262,049
3,267,355
89 : 3,241,052
3,241,053
3,241,054
3,242,421
3,244,967
3,267,356
3,281,659
3,287,625
3,292,076
93 : 3,257,607
3,274,484
94 : 3,243,692
3,243,693
3,265,959
3,268,799
3,278,835
3,286,161
3,293,541
98 : 3,249,853
101 : 3,267,357
108 : 3,249,854
122 : 3,267,358
3,267,359
3,287,626
3,287,627
123 : 3,287,628
126 : 3,250,984
128 : 3,264,554
3,265,960

Class 324

.5 : 3,227,944

.5 : 3,234,454
.5 : 3,237,092
.5 : 3,238,446
.5 : 3,239,752
.5 : 3,242,422
.5 : 3,242,423
.5 : 3,242,424
.5 : 3,243,694
.5 : 3,244,968
.5 : 3,249,855
.5 : 3,249,856
.5 : 3,250,985
.5 : 3,250,986
.5 : 3,252,081
.5 : 3,252,082
.5 : 3,256,477
.5 : 3,256,478
.5 : 3,256,500
.5 : 3,257,608
.5 : 3,258,681
.5 : 3,260,926
.5 : 3,265,961
.5 : 3,267,360
.5 : 3,268,800
.5 : 3,274,485
.5 : 3,275,931
.5 : 3,281,661
.5 : 3,281,662
.5 : 3,281,663
.5 : 3,284,699
.5 : 3,284,700
.5 : 3,286,162
.5 : 3,287,629
.5 : 3,287,630
.5 : 3,289,072
1 : 3,227,945
3,227,946
3,235,793
3,237,093
3,237,094
3,254,297
3,256,479
3,263,159
3,277,363
3 : 3,281,660
6 : 3,230,445
3,249,857
3,249,858
3,259,836
3,259,837
3,259,838
3,263,160
3,264,555
3,270,276
3,286,163
8 : 3,263,161
10 : 3,256,480
3,262,050
3,268,801
3,293,542
13 : 3,243,695
15 : 3,238,447
16 : 3,274,486
3,275,932
3,286,164
3,286,165
17 : 3,241,055
3,274,487
24 : 3,249,859
3,278,836
28 : 3,235,794
3,237,095
3,237,096
3,243,696
3,250,988
3,250,989
3,252,083
3,253,213
3,253,214
3,259,839
3,268,802
3,281,664
3,286,166
29 : 3,246,235
3,247,452
3,259,840
3,262,051
3,268,803
30 : 3,250,987
3,257,609
3,258,682
3,265,962
3,265,963
3,267,361
3,267,362
3,267,363
3,267,364
3,268,804
3,283,240
3,286,167
3,287,631
3,290,584
3,292,077
32 : 3,256,481

Class 324—Con.

32 : 3,283,241
33 : 3,227,947
3,230,446
3,233,169
3,241,056
3,244,969
3,248,644
3,258,683
3,263,162
3,271,661
3,278,837
3,292,078
34 : 3,229,195
3,229,196
3,230,447
3,231,813
3,233,170
3,234,455
3,241,057
3,244,970
3,244,971
3,249,860
3,254,298
3,255,405
3,258,684
3,258,685
3,258,686
3,260,927
3,260,928
3,262,052
3,263,163
3,267,365
3,267,366
3,278,838
3,281,665
3,281,666
3,281,678
3,289,073
3,290,585
3,293,543
36 : 3,234,456
37 : 3,238,448
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43 : 3,239,753
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47 : 3,233,171
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52 : 3,234,459
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54 : 3,229,199
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57 : 3,227,949
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65 : 3,233,174
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66 : 3,250,992
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67 : 3,289,076
68 : 3,229,201
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70 : 3,229,202
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81 : 3,267,373
83 : 3,229,203
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86 : 3,292,084
91 : 3,287,639
92 : 3,265,970
94 : 3,255,413
95 : 3,229,206
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96 : 3,244,979
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97 : 3,256,485
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98 : 3,239,758
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99 : 3,239,759
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106 : 3,244,980
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107 : 3,286,178
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110 : 3,238,454
113 : 3,258,692
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3,286,179
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119 : 3,229,207
120 : 3,290,595
121 : 3,248,650
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122 : 3,234,464
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126 : 3,229,208
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132 : 3,263,171
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137 : 3,248,651
140 : 3,290,596
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142 : 3,250,995
146 : 3,250,996
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149 : 3,287,642
150 : 3,237,103
151 : 3,252,092
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154 : 3,274,490
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157 : 3,274,491
158 : 3,227,953
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3,235,802
3,235,803
3,237,104
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3,264,563
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3,281,692
3,286,180
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3,286,182
3,287,643
3,289,081
3,293,548

Class 325

3 : 3,283,249
4 : 3,277,373
13 : 3,246,243
14 : 3,273,062
15 : 3,243,706
3,275,937
16 : 3,286,184
18 : 3,250,997
3,277,374
3,292,085
20 : 3,281,693
22 : 3,227,954
3,239,761
28 : 3,265,972
3,283,250
29 : 3,237,105
30 : 3,241,066
3,281,694
3,289,082
31 : 3,271,679
3,281,695
33 : 3,231,818
37 : 3,271,680
38 : 3,249,870
3,292,086
41 : 3,241,067
3,250,998
3,273,063
42 : 3,234,465
3,252,093
43 : 3,281,696
46 : 3,238,456
52 : 3,278,850
55 : 3,267,379
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56 : 3,267,380
58 : 3,268,814
59 : 3,289,083
63 : 3,289,084
64 : 3,290,597
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65 : 3,231,819
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66 : 3,283,251
67 : 3,230,453
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101 : 3,270,283
103 : 3,284,711
105 : 3,270,284
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113 : 3,260,940
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115 : 3,242,429
119 : 3,289,085
122 : 3,268,815
129 : 3,273,067
130 : 3,271,683
133 : 3,293,550
136 : 3,229,209
137 : 3,274,492
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138 : 3,252,094
141 : 3,231,821
145 : 3,258,694
3,262,056
148 : 3,231,820
151 : 3,253,222
3,263,172
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166 : 3,230,454
172 : 3,277,377
173 : 3,255,414
174 : 3,273,068
175 : 3,271,684
178 : 3,290,599
185 : 3,230,455
186 : 3,249,871
3,283,252
187 : 3,277,378
302 : 3,268,816
305 : 3,238,458
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310 : 3,260,941
316 : 3,287,644
317 : 3,243,708
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318 : 3,234,466
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319 : 3,243,709
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320 : 3,230,457
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3,270,285
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321 : 3,253,223
326 : 3,241,068
329 : 3,230,456
3,286,183
344 : 3,287,645
345 : 3,290,600
346 : 3,231,822
3,238,460
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347 : 3,241,069
348 : 3,250,999
349 : 3,260,942
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361 : 3,234,467
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363 : 3,283,253
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364 : 3,257,617
372 : 3,290,601
374 : 3,235,805
388 : 3,289,087
390 : 3,249,874
391 : 3,268,817
393 : 3,290,602
396 : 3,257,618
399 : 3,275,939
400 : 3,233,177
401 : 3,255,415
406 : 3,233,178
408 : 3,289,088
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415 : 3,259,846
420 : 3,263,173
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421 : 3,290,603
423 : 3,275,940
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434 : 3,274,495
435 : 3,248,653
439 : 3,237,106
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440 : 3,270,286
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442 : 3,246,245
445 : 3,271,686
448 : 3,271,687
449 : 3,227,955
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453 : 3,242,432
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3,249,876
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455 : 3,244,983
456 : 3,243,710
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459 : 3,241,072
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3,252,096
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461 : 3,242,433
465 : 3,264,566
466 : 3,234,468
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469 : 3,233,179
471 : 3,244,984
473 : 3,241,073
476 : 3,235,807
478 : 3,234,469
3,284,714
486 : 3,258,695
492 : 3,274,496

Class 328

1 : 3,229,210
3,237,107
3,237,108
3,253,224
2 : 3,237,109
3 : 3,248,654
6 : 3,286,185
8 : 3,230,459
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9 : 3,229,211
13 : 3,268,818
14 : 3,265,973
15 : 3,229,212
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19 : 3,295,062
22 : 3,255,416
25 : 3,263,174
33 : 3,267,383
34 : 3,246,247
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37 : 3,239,764
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40 : 3,239,765
41 : 3,238,461
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42 : 3,274,498
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44 : 3,295,063
45 : 3,264,567
48 : 3,287,648
55 : 3,248,657
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56 : 3,252,097
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58 : 3,252,098
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3,295,064
60 : 3,278,852
61 : 3,256,488
62 : 3,268,820
3,268,821
3,270,287
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3,295,065
63 : 3,238,462
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3,265,974
3,265,975
3,270,288
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65 : 3,257,619
67 : 3,252,100
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3,292,091
69 : 3,260,943
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71 : 3,283,254
72 : 3,267,382
73 : 3,251,000
74 : 3,244,985
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84 : 3,273,070
92 : 3,234,470
99 : 3,263,175
3,274,499
3,283,255
101 : 3,230,460
108 : 3,241,074
3,274,500
109 : 3,234,471
3,241,075
3,258,698
112 : 3,230,461
115 : 3,293,553

116 : 3,277,382
118 : 3,281,700
124 : 3,239,766
127 : 3,274,501
132 : 3,252,101
134 : 3,233,180
137 : 3,286,186
139 : 3,237,110
3,237,111
3,237,112
140 : 3,244,986
142 : 3,237,113
145 : 3,255,417
146 : 3,246,249
3,284,716
147 : 3,283,256
149 : 3,252,102
150 : 3,230,462
3,235,808
3,287,651
151 : 3,241,076
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154 : 3,243,712
3,293,554
155 : 3,235,809
3,239,767
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3,293,555
162 : 3,290,607
165 : 3,231,823
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3,268,824
166 : 3,235,810
3,244,987
167 : 3,234,472
175 : 3,244,988
179 : 3,292,092
181 : 3,242,434
185 : 3,227,891
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186 : 3,249,879
189 : 3,258,700
207 : 3,247,458
210 : 3,227,956
227 : 3,243,713
232 : 3,295,066
233 : 3,264,568
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234 : 3,227,957
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248 : 3,243,714
252 : 3,244,990
255 : 3,229,213

Class 329

50 : 3,234,473
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3,243,707
101 : 3,249,880
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103 : 3,235,811
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104 : 3,274,503
106 : 3,231,824
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116 : 3,263,176
122 : 3,286,188
126 : 3,235,812
128 : 3,233,181
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129 : 3,292,093
131 : 3,277,383
133 : 3,248,659
134 : 3,277,384
136 : 3,242,435
3,271,689
137 : 3,265,976
3,267,384
138 : 3,256,489
140 : 3,238,464
142 : 3,281,701
160 : 3,274,504
162 : 3,260,944
168 : 3,227,958
204 : 3,241,079

Class 330

1 : 3,275,942
3,290,609
3 : 3,249,881
3,253,225
3,268,825
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4 : 3,257,620
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.3 : 3,235,813
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.5 : 3,234,474
.5 : 3,262,058
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.6 : 3,293,557
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.7 : 3,237,114
.7 : 3,238,465
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.9 : 3,230,465
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.9 : 3,238,467
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6 : 3,227,960
8 : 3,238,468
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9 : 3,234,478
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3,237,117
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10 : 3,230,466
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12 : 3,284,718
13 : 3,231,827
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15 : 3,230,467
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3,292,094
17 : 3,241,081
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3,262,062
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3,267,387
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20 : 3,249,885
21 : 3,234,480
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22 : 3,254,303
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23 : 3,230,468
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24 : 3,242,436
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25 : 3,237,119
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26 : 3,244,997
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27 : 3,253,229
28 : Re.25,963
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29 : 3,229,218
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3,260,952
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30 : 3,263,178
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31 : 3,234,481
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34 : 3,254,309
3,255,421
35 : 3,234,482
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37 : 3,267,389
40 : 3,239,774
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41 : 3,274,507
43 : 3,255,422
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51 : 3,237,120
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53 : 3,287,654
54 : 3,263,179
56 : 3,238,469
59 : 3,227,961
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61 : 3,235,814
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62 : 3,233,187
63 : 3,254,310
65 : 3,258,708
69 : 3,258,709
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75 : 3,260,956
81 : 3,263,180
84 : 3,271,693
85 : 3,278,854
89 : 3,247,464
96 : 3,274,508
106 : 3,277,387
108 : 3,256,492
109 : 3,245,000
110 : 3,268,830
116 : 3,274,509
117 : 3,281,707
123 : 3,258,710
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3,265,984
124 : 3,248,663
126 : 3,262,067
128 : 3,257,622
129 : 3,277,388
130 : 3,263,181
134 : 3,260,957
135 : 3,242,437
137 : 3,258,711
138 : 3,230,470
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146 : 3,264,575
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154 : 3,281,708
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166 : 3,258,712
200 : 3,252,105
204 : 3,230,471
207 : 3,237,121

Class 331

1 : 3,289,096
2 : 3,227,963
3,229,219
3,248,664
3,268,831
3,277,389
3,283,260
3,293,559
3 : 3,234,483
3,243,721
3,246,254
3,258,713
3,281,709
3,284,720
4 : 3,247,465
3,260,958
3,281,710
3,293,560
6 : 3,265,985
3,274,510
8 : 3,251,002
9 : 3,233,188
3,252,106
3,283,261
10 : 3,274,511
3,278,855
11 : 3,249,886
3,262,068
3,278,856
3,286,191
14 : 3,259,851
3,265,986
3,287,655
3,290,611
16 : 3,260,959
3,287,656
17 : 3,242,438
3,287,657
19 : 3,231,828
20 : 3,231,829
25 : 3,251,003
3,277,390
27 : 3,275,947
38 : 3,230,472
3,249,887
3,249,888
3,273,073
3,293,561
39 : 3,235,815
3,256,493
40 : 3,257,623
44 : 3,234,484
45 : 3,252,107
3,286,192
3,292,100
47 : 3,264,576
49 : 3,264,577
3,265,987
3,289,097
50 : 3,273,074
51 : 3,246,255
3,257,624
52 : 3,245,001
3,247,466
3,259,852
56 : 3,293,562
57 : 3,262,069
62 : 3,289,098
65 : 3,252,108
3,254,311
3,260,960
66 : 3,271,694
3,284,721
69 : 3,252,109
3,287,658
71 : 3,263,182
78 : 3,227,964
3,231,830
3,254,312
3,281,711
80 : 3,230,473
81 : 3,229,220
3,260,961
3,295,068
82 : 3,249,889
3,253,230
3,253,231
3,293,563
83 : 3,292,101
84 : 3,258,714
87 : 3,273,075
90 : 3,248,665
94 : 3,248,666
3,255,423
3,263,183
3,265,988
3,278,857
3,287,659
3,287,660
.5 : 3,229,221
.5 : 3,229,222
.5 : 3,229,223
.5 : 3,229,224
.5 : 3,230,474
.5 : 3,230,475
.5 : 3,233,189
.5 : 3,235,816
.5 : 3,238,470
.5 : 3,241,085
.5 : 3,242,439
.5 : 3,242,440
.5 : 3,243,722
.5 : 3,243,723
.5 : 3,243,724
.5 : 3,245,002
.5 : 3,247,467
.5 : 3,248,667
.5 : 3,248,668
.5 : 3,248,669
.5 : 3,248,670
.5 : 3,248,671
.5 : 3,252,110
.5 : 3,257,625
.5 : 3,257,626
.5 : 3,258,715
.5 : 3,258,716
.5 : 3,258,717
.5 : 3,258,718
.5 : 3,262,070
.5 : 3,262,071
.5 : 3,265,989
.5 : 3,265,990
.5 : 3,270,290
.5 : 3,270,291
.5 : 3,271,695
.5 : 3,271,696
.5 : 3,274,512
.5 : 3,277,392
.5 : 3,277,393
.5 : 3,278,858
.5 : 3,281,712
.5 : 3,281,713
.5 : 3,281,714
.5 : 3,283,262
.5 : 3,284,722
.5 : 3,286,193
.5 : 3,289,099
.5 : 3,289,100
.5 : 3,289,101
.5 : 3,292,102
.5 : 3,292,103
.5 : 3,293,564
.5 : 3,293,565
96 : Re.26,091
3,231,831
3,252,111
3,268,832
97 : 3,270,292
3,286,194
3,286,195
98 : 3,237,122
3,249,890
3,259,853
3,274,513
3,278,859
3,287,661
3,293,566
100 : 3,286,196
106 : 3,235,817
107 : 3,231,832
3,234,485
3,237,123
3,239,775
3,241,086
3,246,256
3,249,891
3,251,004
3,252,112
3,253,232
3,253,233
3,264,578
3,270,293
3,284,723
3,293,567
108 : 3,270,294
109 : 3,239,776
3,246,257
3,249,892
3,251,005
3,278,860
3,284,724
3,289,102
3,292,104
3,293,568
111 : 3,229,225
3,241,084
3,254,313
3,259,854
3,260,962
3,265,991
3,270,295
3,283,263
3,287,662
3,287,663
3,289,103
3,289,104
112 : 3,239,777
3,256,494
3,278,861
3,290,612
113 : 3,227,965
3,229,226
3,230,476
3,230,477
3,231,833
3,233,190
3,235,818
3,237,124
3,237,125
3,237,126
3,237,127
3,237,128
3,239,778
3,239,779
3,241,087
3,243,725
3,243,727
3,245,003
3,246,258
3,247,468
3,249,893
3,249,894
3,251,006
3,253,234
3,253,235
3,256,495
3,258,719
3,260,963
3,264,579
3,268,833
3,268,834
3,271,697
3,273,076
3,275,948
3,281,715
3,281,716
3,286,197
3,289,105
3,292,105
3,293,569
3,295,069
114 : 3,241,088
116 : 3,251,007
3,256,496
3,256,497
3,258,720
3,270,296
3,273,077
3,277,394
3,278,862
3,286,198
117 : 3,229,227
3,231,834
3,242,441
3,243,728
3,243,729
3,251,008
3,262,072
3,267,390
3,271,698
3,286,199
3,289,106
3,290,613
3,290,614
3,292,106
126 : 3,246,259
127 : 3,290,615
131 : 3,281,717
135 : 3,293,570
141 : 3,227,966
3,229,228
144 : 3,247,469
3,292,107
156 : 3,265,992
159 : 3,254,314
161 : 3,233,191
3,233,192
3,243,726
172 : 3,253,236
173 : 3,255,424
177 : 3,290,616
178 : 3,227,967
179 : 3,295,070
181 : 3,263,184
183 : 3,230,478
3,233,193
3,242,442
3,295,071

Class 332

1 : 3,274,514
3,286,200
3 : 3,271,699
7 : 3,259,855
3,274,515
.51: 3,290,619
.51: 3,292,108
9 : 3,245,004
3,246,260
3,249,895
3,263,185
3,277,395
11 : 3,267,391
12 : 3,257,627
3,264,580
3,275,949
14 : 3,230,479
3,238,471
3,249,896
3,263,186
3,271,700
3,290,617
16 : 3,230,480
3,234,486
3,253,237
3,263,187
3,277,396
17 : 3,248,672
18 : 3,243,730
3,249,897
3,262,073
3,267,392
19 : 3,259,856
3,277,397
20 : 3,245,005
21 : 3,260,964
23 : 3,263,188
3,287,664
24 : 3,263,189
26 : 3,227,968
3,256,498
27 : 3,277,398
29 : 3,263,190
3,293,571
30 : 3,229,229
3,260,965
3,267,393
3,278,863
3,290,618
31 : 3,260,966
3,281,718
38 : 3,237,129
3,239,780
41 : 3,295,072
42 : 3,271,701
43 : 3,242,443
3,243,731
3,245,006
3,248,673
3,268,835
3,273,078
3,275,950
3,275,951
44 : 3,229,230
3,238,472
3,243,732
45 : 3,229,231
3,229,232
3,233,194
47 : 3,249,898
3,270,297
51 : 3,245,007
3,247,470
3,274,516
52 : 3,235,819

Class 332—Con.

58 : 3,274,517
60 : 3,274,518

Class 333

1 : 3,265,993
.1 : 3,231,835
.1 : 3,246,261
.1 : 3,246,262
.1 : 3,270,298
.1 : 3,274,519
.1 : 3,277,399
.1 : 3,277,400
.1 : 3,286,201
.1 : 3,292,109
.1 : 3,295,073
.1 : 3,295,074
6 : 3,230,481
3,283,264
3,283,265
3,292,112
7 : 3,227,969
3,233,195
3,243,733
3,260,967
3,264,581
3,270,299
3,271,702
3,281,719
3,286,202
3,287,665
8 : 3,267,394
9 : 3,274,520
3,284,725
10 : 3,230,482
3,230,483
3,237,130
3,238,473
3,252,113
3,264,582
3,278,864
3,283,266
11 : 3,229,233
3,238,474
3,239,781
3,247,471
3,254,315
3,258,721
3,273,079
3,281,720
13 : 3,245,008
3,249,899
3,278,865
3,290,620
14 : 3,284,726
3,289,107
17 : 3,227,971
3,238,475
3,257,628
3,265,994
3,278,866
3,281,721
3,281,722
3,293,572
18 : 3,281,723
3,289,108
3,292,110
3,292,116
20 : 3,243,734
3,268,836
21 : 3,230,484
3,247,472
3,265,995
3,293,573
22 : 3,234,487
3,241,089
3,254,316
3,289,109
24 : 3,263,191
3,283,267
3,286,203
.1 : 3,246,263
.1 : 3,274,521
.1 : 3,277,401
.1 : 3,277,402
.1 : 3,287,666
.1 : 3,289,110
.1 : 3,290,622
.2 : 3,283,268
.2 : 3,289,111
.2 : 3,289,112
26 : 3,245,009
3,245,010
3,273,080
28 : 3,253,238
3,271,703
3,277,403
3,287,667
3,289,113
29 : 3,259,857
3,260,968
3,283,269
30 : 3,227,970
3,227,972
3,231,836
3,234,488
3,241,090
3,246,264
3,247,473
3,249,900
3,251,009
3,254,317
3,259,858
3,260,969
3,260,970
3,262,074
3,264,583
3,265,996
3,270,300
3,271,704
3,277,404
3,278,867
3,281,724
3,283,270
3,284,727
3,286,190
3,286,204
3,286,205
3,289,114
3,290,623
3,292,113
3,292,114
3,293,574
3,295,075
31 : 3,230,485
3,235,820
3,235,821
3,241,091
3,243,735
3,245,011
3,246,265
3,252,114
3,257,629
3,257,630
3,258,722
3,267,395
3,268,837
3,273,081
3,273,082
3,275,952
3,277,391
3,287,668
3,289,115
3,290,624
32 : 3,231,837
3,262,075
33 : 3,237,131
3,242,444
3,264,584
70 : 3,233,196
3,257,631
3,258,723
3,263,192
3,267,396
3,289,116
71 : 3,243,736
3,243,737
3,277,405
3,283,271
3,284,728
3,287,669
3,290,621
72 : 3,238,476
3,241,092
3,242,445
3,245,012
3,264,585
3,281,725
3,281,726
3,293,575
73 : 3,235,822
3,237,132
3,237,134
3,247,474
3,265,997
3,268,838
3,271,706
3,273,083
3,277,406
3,289,117
3,290,625
3,292,115
76 : 3,271,705
78 : 3,227,973
79 : 3,227,974
3,243,738
3,251,010
3,256,499
3,275,953
3,275,954
3,287,670
3,289,118
80 : 3,243,739
3,243,740
3,267,397
3,286,206
80 : 3,289,119
81 : 3,227,975
3,237,133
3,255,425
3,259,859
3,260,971
3,264,586
3,273,084
3,289,120
82 : 3,243,741
3,243,742
3,287,671
83 : 3,227,976
3,246,266
3,247,475
3,252,115
3,252,116
3,253,239
3,264,587
3,273,085
3,278,868
3,278,869
3,281,727
3,286,207
3,286,208
3,287,672
3,287,673
84 : 3,245,013
3,255,426
3,258,724
3,259,860
3,260,972
95 : 3,234,489
3,275,955
3,275,956
3,289,121
3,290,626
96 : 3,238,477
3,249,901
3,262,076
3,263,193
97 : 3,229,234
3,245,014
3,263,194
3,292,117
3,295,076
98 : 3,227,977
3,231,838
3,238,478
3,251,011
3,267,398
3,275,957
3,281,728
3,281,729
3,284,729
3,287,674
3,289,122

Class 334

1 : 3,251,012
2 : 3,234,490
3 : 3,275,958
15 : 3,233,197
3,237,135
19 : 3,289,123
22 : 3,289,124
41 : 3,278,870
43 : 3,286,209
50 : 3,227,978
3,249,902
51 : 3,248,674
3,253,240
69 : 3,257,632
3,260,973
72 : 3,284,730
76 : 3,293,576
78 : 3,243,743

Class 335

3 : 3,292,111
5 : 3,274,522
9 : 3,290,627
10 : 3,286,210
19 : 3,295,077
20 : 3,293,577
21 : 3,284,731
24 : 3,284,732
33 : 3,289,125
35 : 3,275,959
3,277,407
37 : 3,292,118
47 : 3,289,126
54 : 3,270,165
61 : 3,284,733
68 : 3,284,734
78 : 3,271,707
86 : 3,281,730
89 : 3,281,731
91 : 3,284,735
94 : 3,277,408
3,281,732
99 : 3,281,733
103 : 3,270,164
104 : 3,292,119
106 : 3,275,961
107 : 3,275,962
118 : 3,289,127
119 : 3,292,120
121 : 3,274,523
3,275,963
124 : 3,283,272
3,295,078
128 : 3,277,409
129 : 3,270,301
131 : 3,290,628
132 : 3,277,410
133 : 3,290,629
138 : 3,277,412
146 : 3,284,736
3,284,737
3,290,630
151 : 3,268,839
3,270,161
152 : 3,274,524
3,277,413
3,281,734
3,283,273
3,284,738
3,284,739
3,289,128
3,293,578
153 : 3,270,162
3,277,414
3,284,740
3,289,129
3,292,121
3,295,080
154 : 3,270,302
3,278,871
3,284,741
3,292,122
157 : 3,289,130
162 : 3,289,131
166 : 3,273,089
168 : 3,290,631
185 : 3,278,872
188 : 3,277,415
189 : 3,289,132
193 : 3,284,742
196 : 3,268,840
202 : 3,270,303
3,287,675
203 : 3,273,093
204 : 3,270,163
205 : 3,271,708
3,273,090
3,284,743
3,292,123
3,292,124
206 : 3,283,274
3,292,125
207 : 3,273,091
3,281,735
3,293,579
208 : 3,295,081
209 : 3,271,709
210 : 3,284,744
212 : 3,277,411
213 : 3,284,745
216 : 3,270,304
3,273,092
3,273,094
3,281,736
3,281,737
3,281,738
3,283,276
3,283,277
229 : 3,281,739
230 : 3,278,873
237 : 3,284,746
239 : 3,273,095
245 : 3,283,275
253 : 3,289,133
3,293,580
255 : 3,274,525
3,281,740
3,295,079
258 : 3,281,741
259 : 3,275,964
262 : 3,278,874
266 : 3,268,841
272 : 3,278,875
3,290,632
284 : 3,281,742
292 : 3,283,278
299 : 3,295,082
302 : 3,292,126
306 : 3,287,676

Class 336

12 : 3,235,823
3,246,267
3,258,725
15 : 3,246,268
3,253,241
30 : 3,231,839
3,234,491
3,238,479
3,246,269
3,251,013
3,264,588
3,273,096
3,281,743
3,295,083
45 : 3,263,195
55 : 3,271,710
57 : 3,264,589
3,271,711
3,287,677
60 : 3,264,590
3,274,526
3,290,633
61 : 3,243,744
3,262,077
65 : 3,234,492
3,273,097
3,278,876
3,281,744
67 : 3,262,078
69 : 3,273,098
3,274,527
70 : 3,246,270
3,265,998
73 : 3,230,487
3,239,782
3,253,242
82 : 3,271,712
83 : 3,243,745
3,271,713
3,273,099
3,287,678
84 : 3,238,480
3,270,305
3,277,416
3,281,745
3,290,634
3,292,127
90 : 3,251,014
3,260,974
3,271,714
92 : 3,238,481
3,243,746
94 : 3,233,198
3,234,493
3,246,271
3,249,903
96 : 3,242,446
3,251,015
3,263,196
100 : 3,243,747
3,290,635
107 : 3,241,093
110 : 3,258,726
3,267,399
3,283,279
119 : 3,293,581
123 : 3,281,746
131 : 3,231,840
3,273,100
133 : 3,227,979
3,235,824
3,254,318
3,260,975
134 : 3,267,400
136 : 3,227,980
3,238,483
3,254,319
3,259,861
3,259,862
3,262,079
3,267,401
3,278,877
137 : 3,243,748
3,271,715
3,281,747
139 : 3,281,748
141 : 3,243,749
147 : 3,268,842
148 : 3,270,306
149 : 3,293,582
150 : 3,238,482
3,243,750
160 : 3,242,447
3,278,878
165 : 3,231,841
3,295,084
170 : 3,230,488
172 : 3,260,976
174 : 3,264,591
3,287,679
177 : 3,247,476
178 : 3,238,484
179 : 3,239,783
3,287,680
181 : 3,260,977
3,271,716
3,275,966
182 : 3,231,842
3,259,863
182 : 3,264,592
187 : 3,252,117
3,260,978
3,278,879
3,283,280
189 : 3,293,583
192 : 3,227,981
3,230,489
3,246,272
3,258,727
3,258,728
3,259,864
3,263,197
3,263,198
3,265,999
3,271,717
3,277,417
3,278,880
3,287,681
195 : 3,239,784
196 : 3,243,751
197 : 3,264,593
198 : 3,230,490
3,238,485
200 : 3,267,402
205 : 3,235,825
3,237,136
3,243,752
209 : 3,237,137
210 : 3,227,982
212 : 3,260,979
213 : 3,252,118
217 : 3,252,119
3,270,307
3,270,308
3,283,281
219 : 3,246,273
3,271,718
3,287,682
221 : 3,234,494
223 : 3,268,843
229 : 3,245,015
3,266,000
233 : 3,248,676
3,284,747
3,284,748

Class 338

2 : 3,245,016
3,245,017
3,258,729
3,263,199
3,274,528
3,278,881
3,278,882
3,292,128
3,293,584
3,295,085
4 : 3,235,826
3,237,138
3,242,448
3,242,449
3,289,134
5 : 3,245,018
3,284,749
3,289,135
3,295,086
6 : 3,293,585
7 : 3,248,677
13 : 3,262,080
15 : 3,246,274
3,247,477
18 : 3,229,235
3,259,865
3,267,403
19 : 3,252,120
20 : 3,245,019
3,270,310
21 : 3,227,983
22 : 3,239,785
3,266,001
3,270,309
3,281,749
3,284,750
3,292,129
25 : 3,237,139
3,238,486
28 : 3,266,002
3,268,844
3,271,719
3,295,087
31 : 3,243,753
32 : 3,233,199
3,239,786
3,239,787
3,245,020
3,259,866
3,260,980
3,266,003
3,267,404
3,267,405
3,283,282
3,293,586
35 : 3,247,478
3,295,088
41 : 3,238,487
42 : 3,271,720
3,286,213
3,289,136
44 : 3,227,984
47 : 3,268,845
49 : 3,245,021
63 : 3,267,406
66 : 3,284,751
73 : 3,251,016
77 : 3,229,236
86 : 3,246,276
91 : 3,257,633
123 : 3,230,491
131 : 3,284,752
132 : 3,245,022
135 : 3,257,634
155 : 3,262,081
162 : 3,227,985
3,235,827
3,239,788
3,239,789
3,277,418
3,289,137
164 : 3,237,140
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Class 343
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3,293,656
3,295,142
110 : 3,281,861
3,293,657
111 : 3,268,909
112 : 3,281,862
136 : 3,252,163
3,270,350
137 : 3,258,778
139 : 3,245,084
3,266,047
3,267,485
3,268,910
3,293,658
140 : 3,238,533
3,247,519
3,252,164
3,264,652
3,266,048
3,277,495
3,278,942
3,289,211
145 : 3,283,335

Class 350

147 : 3,291,550
160 : 3,291,551
3,294,469
174 : 3,291,552
184 : 3,294,470
194 : 3,294,471
209 : 3,291,553
285 : 3,291,554

Class 351

2 : 3,258,303
6 : 3,248,162
7 : 3,236,578
17 : 3,240,548
3,244,468
23 : 3,269,792
3,284,154
24 : 3,288,546
30 : 3,235,321
3,294,472
3,294,473
41 : 3,285,688
47 : 3,236,579
3,254,932
59 : 3,238,005
3,252,747
90 : 3,257,158
92 : 3,260,562
118 : 3,261,652
120 : 3,271,094
121 : 3,241,904
130 : 3,233,956
153 : 3,243,248
154 : 3,243,249
155 : 3,288,547
160 : 3,227,507
3,228,741
3,246,941
161 : 3,279,878
167 : 3,245,745

Class 352

7 : 3,238,006
12 : 3,266,862
14 : 3,233,957
3,244,469
15 : 3,248,163
3,278,251
27 : 3,227,508
3,232,688
29 : 3,243,250
3,244,470
3,248,164
3,269,793
3,284,155
3,292,989
30 : 3,233,958
34 : 3,271,095
41 : 3,232,689
43 : 3,240,549
45 : 3,260,563
52 : 3,228,742
57 : 3,254,933
61 : 3,248,165
72 : 3,238,007
3,239,301
3,244,471
3,245,746
3,260,564
3,271,096
3,278,252
3,281,199
73 : 3,246,942
77 : 3,233,959
78 : 3,281,200
83 : 3,243,251
3,244,472
3,276,837
3,285,689
84 : 3,245,747
3,245,748
3,245,749
3,258,304
3,259,448
3,287,081
86 : 3,246,943
87 : 3,288,548
89 : 3,227,509
3,269,794
91 : 3,246,944
106 : 3,262,749
113 : 3,245,750
119 : 3,259,449
3,259,450
3,262,750
123 : 3,272,584
124 : 3,240,550
129 : 3,264,051
3,265,457
3,282,637
131 : 3,288,549
133 : 3,271,097
141 : 3,248,166
3,261,653
3,275,399
166 : 3,268,286
169 : 3,238,008
3,265,458
3,271,098
180 : 3,252,748
3,288,550
184 : 3,247,126
185 : 3,236,580
187 : 3,268,287
194 : 3,261,654
198 : 3,269,795
206 : 3,236,581
209 : 3,232,690
222 : 3,273,953
224 : 3,250,586
3,271,099
225 : 3,259,451
231 : 3,228,743
232 : 3,292,990
244 : 3,291,555

1966

CLASSIFICATION OF DESIGNS

ORIGINAL CLASSIFICATION

Class D1

3 : 203,800
204,588
205,123
205,492
205,824
205,923
205,988
205,989
206,370
206,518
12 : 203,379
203,738
204,049
204,589
204,727
204,728
204,971
204,972
205,055
205,177
205,209
205,210
205,279
205,493
206,047
206,217
206,424

Class D2

3 : 203,963
204,590
204,591
204,657
204,729
205,178
205,211
205,394
205,702
205,750
205,825
205,826
205,827
205,924
206,218
206,219
206,317
206,371
206,519
4 : 205,438

Class D3

3 : 204,225
4 : 205,439
8 : 203,528
9 : 203,964
204,443
204,444
204,592
205,881
11 : 203,380
204,863
205,751
205,828
205,925
13 : 203,529
203,651
203,739
203,924
203,965
204,226
204,227
204,445
204,593
204,780
204,731
204,732
204,927
204,973
205,056
205,179
205,180
205,651
13 : 205,652
205,752
205,829
205,926
205,990
206,256
206,479
206,480
19 : 205,339
205,340
205,341
205,342
205,343
205,344
205,345
25 : 204,864
205,703
26 : 203,652
203,653
205,494
205,583
206,425
32 : 205,495

Class D4

2 : 203,801
203,802
204,538
205,653
205,753
206,048
3 : 203,654
203,655
203,925
204,050
204,361
204,446
204,594
204,595
204,733
204,734
204,735
204,865
204,866
204,974
205,124
205,125
205,212
205,395
205,396
205,496
205,497
205,754
205,991
206,049
206,050
206,051
206,052
206,113
206,257
206,426
4 : 203,576
203,803
204,051
204,126
204,228
204,362
204,736
204,737
205,992
206,145
206,220
5 : 203,381
203,435
203,740
203,804
204,052
204,185
204,447
206,221

Class D5

1 : 203,966
4 : 203,656
204,229
205,498
205,927
206,427
5 : 205,830

Class D6

1 : 206,428

Class D7

2 : 204,230
3 : 204,448
205,054
4 : 204,658
205,755
5 : 203,382
203,530
203,577
203,741
204,186
204,596
205,026
205,280
205,609
205,757
6 : 204,231
206,146
7 : 203,805
203,806
204,053
204,659
204,975
205,057
205,181
205,704
205,882
205,883
205,993
206,053
206,222

Class D8

1 : 203,657
203,807
204,928
205,027
205,126
206,429

Class D9

2 : 203,383
203,495
203,578
203,579
203,580
203,658
203,659
203,742
203,808
203,809
203,810
203,926
203,927
203,928
203,967
203,968
203,969
204,054
204,055
204,127
204,232
204,233
204,363
204,364
204,365
204,366
204,367
204,449
204,539
204,540
2 : 204,597
204,598
204,660
204,661
204,662
204,738
204,739
204,867
204,868
204,929
204,976
205,058
205,059
205,127
205,128
205,281
205,440
205,441
205,442
205,443
205,444
205,499
205,500
205,584
205,610
205,654
205,756
205,758
205,759
205,760
205,831
205,832
205,884
205,928
205,929
205,994
206,054
206,055
206,258
206,259
206,260
206,520
6 : 203,660
203,811
204,930
205,213
205,833

Class D10

3 : 205,986
205,987
5 : 205,129
6 : 204,368
7 : 204,187
8 : 203,384
203,385
203,581
203,743
203,813
203,970
204,128
204,234
204,235
204,450
204,541
204,599
204,663
204,740
204,741
204,742
204,743
204,870
204,871
204,931
204,977
204,978
204,979
205,028
205,029
205,130
205,214
8 : 205,215
205,346
205,347
205,348
205,349
205,611
205,612
205,885
205,886
205,887
205,888
206,056
206,057
206,058
206,059
206,114
206,147
206,148
206,149
206,150
206,151
206,152
206,372
206,373
206,430
206,521
206,522
9 : 203,971
204,129
204,236
204,872
205,613
205,614
206,115
206,318
10 : 204,600

Class D12

2 : 203,436
203,812
203,929
203,972
204,237
204,238
204,369
204,601
204,602
204,744
205,216
205,585
205,655
205,656
205,705
206,523
206,524
206,525
206,526
206,527
4 : 205,995

Class D13

1 : 203,386
203,531
203,532
203,533
203,582
203,583
203,584
203,661
203,662
203,744
203,814
203,930
203,973
203,974
203,975
203,976
204,056
204,239
204,240
204,241
204,242
204,243
1 : 204,244
204,245
204,370
204,371
204,372
204,542
204,603
204,664
204,665
204,666
204,745
204,746
204,747
204,748
204,873
204,874
205,060
205,061
205,217
205,218
205,282
205,283
205,350
205,351
205,445
205,446
205,447
205,501
205,502
205,761
205,834
205,889
205,890
205,891
205,930
205,931
205,932
205,996
205,997
206,060
206,319
206,374
3 : 204,247
6 : 205,933
205,431
7 : 203,663
204,057
204,130
204,543
204,544
204,749
205,397
205,706
206,061

Class D14

1 : 205,892
3 : 203,387
203,388
203,496
203,534
203,535
203,585
203,664
203,665
203,666
203,667
203,668
203,745
203,746
203,977
204,246
204,373
204,604
204,667
204,668
204,750
204,751
204,752
204,753
204,754
204,980
205,030
205,031
3 : 205,062
205,063
205,131
205,132
205,207
205,208
205,284
205,285
205,352
205,398
205,399
205,448
205,485
205,503
205,504
205,762
205,763
205,764
205,835
205,836
205,837
205,838
205,934
205,935
205,936
205,937
205,998
205,999
206,062
206,063
206,116
206,153
206,261
206,262
206,263
206,320
206,375
206,376
206,481
206,528
206,529
206,536
203,497
203,536
203,586
203,815
204,188
204,248
204,249
204,250
204,251
204,932
205,064
205,133
205,134
205,135
205,136
205,137
205,400
205,505
205,615
205,765
205,938
206,064
206,321
206,322
206,377
6 : 204,252
204,253
204,254
18 : 203,669
204,255
27 : 203,498
203,670
206,530
30 : 203,389
203,390
203,499
203,537
203,671
203,816
203,931
203,978
204,256
204,669
204,933

Class D14—Con.

30 : 204,981
205,032
205,065
205,449
205,586
206,432

Class D15

1 : 203,587
203,588
204,189
204,257
204,374
204,451
205,066
205,353
205,506
205,507
205,587
205,616
205,657
205,658
205,707
205,839
205,840
205,939
206,000
206,117
206,154
206,223
206,378
206,433
206,434
206,435
206,531
3 : 206,065
206,532
8 : 203,437
204,452
206,118
206,323
206,379
206,533
11 : 203,589
203,817
204,190
204,755
205,766
205,767

Class D16

1 : 204,191
204,258
205,033
205,893
206,155
206,324
2 : 203,747
203,932
203,979
204,131
204,192
204,259
204,453
204,670
204,756
204,757
205,354
206,001
206,002
206,264
206,325

Class D17

1 : 203,438
204,193
204,260
205,617
206,224
2 : 204,934
3 : 204,132
204,133
204,375
205,450
206,156
5 : 204,261
204,262
204,545
205,659
205,940
6 : 204,134
8 : 204,263
12 : 203,538
204,376
204,758
204,875
14 : 203,672
205,451

Class D18

2 : 203,391
203,590
205,660
206,119
206,120
206,436

Class D19

1 : 203,539

Class D20

2 : 203,980
203,981
204,377
205,287
205,894
205,941
206,066
4 : 203,500
204,264
204,378
204,379
204,935
206,157
5 : 205,453

Class D21

1 : 203,392
204,265
205,219
205,768
206,003
206,265
6 : 204,454

Class D22

2 : 204,876
205,034
3. 204,546
203,540
203,818
203,819
203,820
204,135
204,194
204,266
204,455
204,671
204,672
204,673
204,877
204,878
205,286
205,452
205,588
205,942
205,943
206,266
206,437
4 : 203,501
204,605
206,482
206,483
5 : 204,982
205,589
206,067
6 : 205,769

Class D24

1 : 203,439
203,541
203,821
204,267
204,380
204,381
204,547
204,983
205,182
205,895
206,267
206,326

Class D25

1 : 203,982
205,401
205,841
205,944

Class D26

1 : 203,393
203,440
203,441
203,442
203,502
1 : 203,503
203,591
203,673
203,748
203,822
203,823
203,824
203,983
203,984
203,985
204,136
204,382
204,383
204,456
204,457
204,606
204,674
204,759
204,879
204,880
204,881
204,936
204,937
205,138
205,220
205,221
205,288
205,402
205,508
205,509
205,708
205,770
205,945
206,004
206,005
206,158
206,327
206,534
5 : 203,394
203,443
203,542
203,592
203,674
203,675
203,825
203,826
203,827
203,828
203,829
203,830
203,986
203,987
203,988
203,989
203,990
204,195
204,268
204,269
204,384
204,385
204,458
204,459
204,675
204,760
204,882
204,883
204,938
204,939
204,940
205,067
205,068
205,355
205,356
205,510
205,511
205,512
205,513
205,590
205,591
205,592
205,661
205,662
205,842
205,843
205,946
206,068
206,268
206,380
206,438
6 : 206,381
8 : 203,543
203,749
206,439
9 : 203,676
204,884
10 : 205,454
206,121
13 : 203,933
203,991
203,992
203,993
204,058
204,059
13 : 204,060
204,137
204,138
204,386
204,761
204,762
204,941
204,984
204,985
204,986
204,987
205,035
205,069
205,139
205,357
205,844
205,845
205,846
206,006
206,122
206,159
206,225
206,328
206,440
14. 203,494
203,395
203,396
203,397
203,444
203,445
203,504
203,505
203,506
203,544
203,593
203,594
203,595
203,596
203,597
203,677
203,678
203,679
203,750
203,751
203,831
203,832
203,833
203,994
203,995
204,061
204,139
204,270
204,271
204,387
204,460
204,548
204,676
204,885
204,886
204,942
205,070
205,071
205,072
205,073
205,140
205,222
205,358
205,359
205,403
205,455
205,663
205,947
206,069
206,070
206,123
206,160
206,161
206,162
206,163
206,226
206,227
206,228
206,329
206,382
206,441
206,442
206,443
206,484
206,535
206,536
15 : 203,834
204,607
206,007
206,229

Class D28

1 : 204,062
204,763

Class D29

1 : 203,446
1 : 203,507
204,677
204,887
204,988
205,618
205,619
205,710
206,071
206,124
206,164
206,444
2 : 204,888
205,948
17 : 204,063
19 : 203,598
204,764
205,036
20 : 204,140
204,272
205,514
205,771
206,269
23 : 204,141
205,515
206,230
206,231
28 : 206,445
206,446

Class D30

1 : 203,508
203,599
203,680
203,996
204,064
204,065
204,461
204,549
204,608
204,765
205,456
205,593
205,711
205,712
206,485

Class D31

2 : 204,388
205,074
205,075
205,772
205,896
206,125
3 : 204,766
205,223
205,404
206,008
206,072
4 : 203,398
203,447
203,509
203,934
203,935
203,997
205,037
205,038
205,183
205,224
205,225
205,226
205,289
205,516
205,517
205,518
205,664
205,773
205,774
205,949
206,383
206,486
206,537

Class D33

1 : 205,665
205,847
2 : 206,073
3 : 203,510
203,600
204,389
205,184
205,519
205,848
206,126
206,165
206,166
206,167
3 : 206,168
206,384
206,538
6 : 203,681
203,835
205,620
7 : 204,273
8 : 203,511
203,601
203,998
204,462
204,889
205,520
205,666
205,667
205,775
205,849
206,232
206,270
10 : 203,545
11 : 205,360
13 : 203,546
14 : 203,448
203,449
203,450
203,451
203,452
203,453
203,602
203,603
203,682
204,274
204,390
204,391
204,989
204,990
205,290
205,291
205,361
205,521
205,621
206,169
206,330
206,331
206,332
206,539
17 : 205,668
18 : 206,233
19 : 204,392
204,463
205,522
205,523
205,524
205,669
205,950
205,951

Class D34

2 : 203,683
205,039
205,227
205,457
205,622
205,713
205,850
205,897
205,952
206,074
206,075
3 : 204,275
204,276
205,670
206,170
4 : 203,999
204,393
204,394
204,464
204,465
204,550
204,551
204,767
205,292
5 : 203,399
203,512
203,513
203,547
203,604
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204,002
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13 : 204,398
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14 : 204,281
15 : 203,400
203,401
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203,608
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203,610
203,685
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204,282
204,283
204,284
204,285
204,286
204,287
204,399
204,400
204,401
204,402
204,469
204,611
204,770
204,771
205,078
205,079
5 : 204,067
204,142
204,277
204,278
204,279
204,280
204,395
204,396
204,397
204,466
204,467
204,468
204,609
204,610
204,768
204,769
204,890
204,891
204,991
204,992
205,040
205,041
205,076
205,077
205,141
205,142
205,185
205,228
205,229
205,230
205,293
205,294
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205,363
205,364
205,405
205,525
205,526
205,527
205,594
205,671
205,672
205,776
205,777
205,778
205,779
205,851
205,852
205,898
205,953
205,954
206,009
206,010
206,076
206,171
206,234
206,333
206,540
206,541

15 : 205,143
205,187
205,188
205,189
205,231
205,232
205,295
205,296
205,297
205,365
205,366
205,406
205,458
205,459
205,528
205,529
205,673
205,674
205,714
205,853
205,899
206,011
206,012
206,013
206,127
206,128
206,172
206,173
206,174
206,175
206,176
206,235
206,271
206,272
206,334
206,335
206,336
206,337
206,385
206,487
206,542
206,543

Class D35

1 : 203,686
204,288
204,552
205,460
2 : 203,844
204,004
204,005
205,530
205,531
205,623
206,177
206,273
206,544
3 : 203,939
204,006
204,403
204,553
205,595
205,854
206,014

Class D36

5 : 205,709
8 : 204,404
204,994
205,144
205,461

Class D37

1 : 203,611
204,007
204,289
204,470
204,772
204,892
205,080
205,233
205,298
205,955

Class D39

1 : 204,008
204,471
205,234

Class D40

1 : 203,454
203,514
203,845
203,846
204,414
204,612
204,623
204,943
1 : 204,995
205,042
205,532
205,675
205,780
206,077
206,274

Class D41

1 : 203,847
203,940
204,009
204,290
204,893
204,944
205,190
205,533
205,855
205,956
206,078
206,386
206,447
206,448

Class D42

1 : 203,760
205,596
7 : 203,687
203,688
203,848
203,941
204,291
204,292
204,405
204,406
204,613
204,773
204,774
204,775
204,776
204,777
204,778
204,894
205,145
205,146
205,299
205,856
206,015
206,275
206,545
206,546
8 : 204,010
205,147
205,367

Class D43

1 : 206,236
206,387

Class D44

1 : 203,612
203,613
203,761
203,762
203,849
203,850
204,069
204,145
204,197
204,407
204,408
204,779
204,996
204,997
205,148
205,149
205,150
206,016
206,017
206,237
206,338
206,388
206,389
4 : 203,455
204,945
5 : 204,614
204,615
6 : 203,689
9 : 203,402
204,146
204,472
204,473
204,780
204,781
204,782
204,783
205,235
205,368
205,534
9 : 206,339
206,340
206,341
10 : 203,549
203,614
203,615
203,942
204,011
204,070
204,071
204,072
204,073
204,147
204,148
204,409
204,474
204,475
204,476
204,784
204,998
204,999
205,151
205,535
205,536
205,676
206,390
206,449
206,450
15 : 203,456
203,457
203,458
203,459
203,460
203,461
203,462
203,463
203,464
203,465
203,466
203,467
203,468
203,515
203,851
204,012
204,149
204,150
204,151
204,293
204,410
204,785
204,895
205,369
205,537
206,342
206,451
206,452
206,547
18 : 206,276
21 : 203,403
203,852
203,853
204,896
204,946
204,947
205,000
205,677
205,781
206,343
206,344
206,345
206,453
24 : 204,294
204,477
26 : 203,854
203,855
204,152
204,786
206,018
29 : 203,550
203,616
203,690
203,856
203,857
203,858
203,943
204,074
204,075
204,076
204,153
204,198
204,295
204,296
204,297
204,478
204,479
204,480
204,481
204,554
204,616
204,787
204,788
204,789
204,948
29 : 205,152
205,236
205,237
205,370
205,407
205,408
205,409
205,538
205,539
205,540
205,678
205,715
205,716
206,079
206,129
206,238
206,239
206,277
206,278
206,279
206,548
206,549

Class D45

1 : 204,199
4 : 203,469
203,859
204,555
204,678
204,790
205,153
205,717
10 : 203,551
203,763
205,782
206,280
16 : 204,298
205,541
205,597
205,783
17 : 203,617
19 : 205,857
205,900
205,901
206,346

Class D46

1 : 205,001
206,080
206,281
206,282

Class D47

7. 203,620
203,618
203,619
203,944
204,200
204,201
204,299
204,617
204,897
205,002
205,462
205,718
206,081

Class D48

2 : 203,552
203,621
203,691
203,860
204,077
204,482
204,556
204,898
205,300
3 : 204,078
206,178
4 : 203,470
204,300
204,483
205,784
206,019
206,082
206,083
206,454
16 : 204,013
204,079
204,080
204,081
204,301
204,484
205,191
206,020
206,283
18 : 205,858
.1 : 206,179
20 : 203,404
20 : 203,516
203,692
203,861
203,862
203,863
203,864
203,865
204,202
204,302
204,303
204,411
204,485
204,486
204,487
204,557
204,679
204,680
204,681
204,791
204,792
204,793
204,794
204,795
204,796
204,899
204,900
204,901
204,902
205,081
205,082
205,083
205,084
205,192
205,238
205,239
205,240
205,301
205,371
205,372
205,410
205,463
205,464
205,598
205,624
205,785
205,786
205,859
205,902
206,021
206,084
206,180
206,284
206,285
206,347
206,348
206,391
206,392
24. 204,904
203,517
204,014
204,015
204,304
204,412
204,798
204,903
205,625
205,679
205,787
205,788
205,860
27 : 203,866
204,082
204,083
204,154
204,155
204,156
204,157
204,305
204,488
204,799
204,949
205,085
205,542
205,599
205,626
205,627
205,680
205,764
204,618
205,003
205,411
205,719
205,720
206,240
206,393
206,394
32 : 206,395
203,765
204,084
205,004
205,241
205,957

Class D49

1 : 203,693
204,306
204,307
204,308
204,619
204,683
204,684
204,800
205,043
205,044
205,242
205,465
205,466
205,958
205,959
206,396
206,455
206,489
2 : 204,490
204,085
6 : 205,903

Class D50

3 : 203,407
203,867
204,086
204,203
205,243
205,543
205,628
206,456
4 : 203,408
206,397
5 : 203,553
203,868
204,016
204,087
204,088
204,089
204,685
205,600
6 : 204,801
204,802
205,193
7 : 203,409
205,154
205,303
205,904
8 : 205,005

Class D51

1 : 203,694
204,559
204,620
204,803
205,905

Class D52

1. 204,906
203,410
203,411
203,622
203,766
204,309
204,804
205,155
205,156
205,373
205,467.
206,457
2 : 203,554
203,695
203,696
203,869
203,870
203,871
204,204
204,310
204,686
204,950
205,086
205,087
205,304
205,412
205,629
205,721
205,789
206,022
206,085
206,181
206,398
3 203,471
203,697
203,872
204,951
204,952
204,953
205,305
205,306
205,468
205,544
205,545
205,681
205,790
206,399
206,400
4 : 204,413
205,960
206,182
6 : 203,472
203,473
203,474
203,518
203,555
203,623
203,698
203,873
203,874
204,017
204,090
204,311
204,312
204,560
204,805
205,307
205,413
205,722
205,791
205,906
205,961
206,023
206,086
206,087
206,183
206,184
206,287
206,349
206,458
206,550
206,551
7 : 203,945
203,946
204,621
204,687
204,806
204,807
205,006
205,244
205,792
206,088
206,130
206,350
206,552
10. 204,905
203,875
204,561
205,157
205,158
205,159
205,160
205,161

Class D54

1 : 203,519
203,624
204,158
204,159
204,313
204,491
204,562
204,563
204,624
204,625
204,626
204,688
204,689
204,690
204,691
204,692
204,808
204,809
205,007
205,045
205,088
205,793
206,185
206,241
206,288
206,401
206,488
2 : 204,160
204,314

Class D54—Con.

2 : 204,627
204,628
204,629
204,630
204,631
204,632
204,633
205,008
205,009
205,245
205,308
205,794
206,089
206,090
206,131
206,289
206,290
4 : 205,469
206,132
6 : 204,091
204,092
9 : 203,412
203,876
203,947
204,415
205,309
205,374
205,375
205,470
206,402
10 : 204,205
204,634
11 : 205,010
205,682
206,024
12 : 203,475
203,476
203,477
203,478
203,479
203,625
203,767
204,018
204,161
204,315
204,693
204,694
204,954
205,310
205,311
205,376
205,414
205,861
206,186
13 : 203,556
203,699
203,768
203,769
203,948
204,093
204,094
204,095
204,206
204,316
204,492
204,635
204,810
204,955
205,011
205,089
205,090
205,162
205,163
205,471
205,630
206,091
206,092
206,133
206,187
206,188
206,489
14 : 203,413
203,700
204,096
204,097
205,012
205,091
205,631
205,862
205,907
206,093
206,459

Class D55

1 : 203,414
203,480
203,626
203,701
203,878
204,019
204,207
1 : 204,416
204,493
205,013
205,092
205,164
205,165
205,312
205,313
205,415
205,416
205,472
205,473
205,632
205,633
205,962
206,094
206,189
206,403
206,490
6 : 206,553

Class D56

1 : 203,481
203,557
203,702
203,703
203,770
203,879
204,098
205,474
205,601
205,602
205,723
206,134
206,242
206,404
206,460
206,554
206,555
2 : 205,963
206,095
206,243
4 : 203,704
203,771
204,208
204,317
204,318
204,494
204,811
204,907
205,194
205,195
205,377
205,475
205,546
205,547
205,634
205,724
205,725
205,726
205,727
205,728
205,795
206,351
206,405
206,406
206,461
206,462
206,491
206,492
206,556
9 : 203,880
204,020
204,495
205,603

Class D57

1 : 203,415
203,482
203,483
203,520
203,705
203,881
203,882
203,949
204,021
204,022
204,023
204,099
204,100
204,101
204,102
204,162
204,163
204,209
204,210
204,319
204,320
204,417
204,418
204,419
204,420
1 : 204,496
204,497
204,498
204,564
204,565
204,566
204,567
204,636
204,637
204,638
204,639
204,695
204,696
204,697
204,698
204,699
204,700
204,812
204,813
204,814
204,815
204,816
204,817
204,956
204,957
204,958
204,959
204,960
205,014
205,046
205,093
205,094
205,095
205,096
205,097
205,246
205,247
205,314
205,378
205,379
205,417
205,418
205,419
205,420
205,421
205,476
205,477
205,683
205,729
205,796
205,863
205,964
206,025
206,096
206,097
206,190
206,191
206,291
206,352
206,353
206,557
7 : 203,558

Class D58

2 : 203,627
204,024
204,421
204,568
204,818
205,319
204,820
204,821
205,196
205,315
205,478
205,548
205,549
205,635
205,684
205,965
206,192
206,493
206,494
206,558
3 : 204,822
4 : 204,640
205,966
5 : 203,416
203,417
203,559
203,560
203,706
204,164
204,165
204,211
204,422
204,423
204,499
204,500
204,701
204,702
204,703
204,704
5 : 204,705
204,706
204,823
204,824
205,166
205,380
205,479
205,550
205,730
206,407
6 : 203,883
203,884
203,885
204,025
204,026
204,501
204,569
204,570
204,571
204,707
204,708
204,709
204,710
205,098
205,381
205,551
205,552
205,553
205,731
205,797
205,798
205,967
206,026
206,193
206,194
206,408
206,495
7 : 205,636
8 : 203,707
203,886
203,950
204,027
204,166
204,167
204,321
204,424
204,572
204,711
204,825
204,826
205,047
205,099
205,248
205,316
205,422
205,554
205,555
205,732
205,733
205,734
205,908
206,292
206,463
9 : 203,418
204,827
205,100
205,101
205,480
205,864
206,496
11 : 203,419
204,028
204,322
204,712
206,293
12 : 203,561
203,887
204,502
204,503
204,828
205,317
205,866
205,867
205,868
205,909
.6 : 203,772
.6 : 204,504
.6 : 204,713
.6 : 204,829
.6 : 205,048
.6 : 205,197
.6 : 205,637
.6 : 205,685
.6 : 205,799
.6 : 205,968
.6 : 205,969
.6 : 206,354
.6 : 206,497
.7 : 203,521
.7 : 203,708
.7 : 204,908
.7 : 205,249
.7 : 205,481
.7 : 205,869
13 : 203,562
203,628
203,773
203,951
204,029
204,030
204,168
204,169
204,323
204,425
204,505
204,506
204,830
204,961
204,962
204,963
205,167
205,198
205,382
205,735
205,800
205,970
206,027
206,098
206,409
17 : 203,420
203,421
203,422
203,423
203,629
203,630
203,631
203,709
203,774
203,888
203,889
203,890
203,891
204,170
204,171
204,212
204,324
204,426
204,507
204,641
205,318
205,319
205,686
205,736
205,737
205,801
205,910
206,099
206,100
206,135
206,136
206,244
206,245
206,355
206,356
206,357
206,358
206,410
25 : 203,522
204,325
205,250
205,423
205,424
205,556
205,687
205,802
206,028
206,464
206,498
26 : 203,710
203,711
203,712
203,713
203,775
203,892
203,893
203,894
203,895
203,896
203,897
204,031
204,103
204,172
204,213
204,214
204,326
204,508
204,509
204,510
204,511
204,512
204,513
204,514
204,515
204,573
204,574
204,642
204,831
204,909
26 : 205,102
205,320
205,425
205,426
205,427
205,482
205,483
205,557
205,738
205,739
205,740
205,803
205,804
205,865
205,911
206,029
206,030
206,031
206,246
206,247
206,248
206,294
206,359
206,360
206,361
206,362
206,411
206,412
206,499
206,500

Class D59

2 : 203,898
204,104
204,910
205,912
205,913
206,249

Class D60

1 : 205,321

Class D61

1 : 203,563
203,714
203,715
203,776
203,899
204,032
204,033
204,105
204,106
204,215
204,327
204,427
204,516
204,575
204,576
204,643
204,714
204,832
204,833
204,834
204,835
204,836
204,837
204,911
204,912
204,913
204,964
205,015
205,016
205,103
205,104
205,251
205,322
205,323
205,383
205,558
205,638
205,688
205,805
205,806
205,807
205,914
205,915
206,032
206,101
206,102
206,137
206,195
206,465

Class D62

1 : 205,916
2 : 203,952
204,517
204,914
204,915
205,199
2 : 205,559
205,689
3 : 203,484
203,632
204,518
206,103
206,559
4 : 203,633
203,900
204,107
204,328
204,715
204,716
204,838
204,839
204,965
204,966
205,168
205,252
205,639
205,741
205,808
205,870
206,196
206,466
206,501

Class D64

10 : 203,634
11 : 203,564
203,716
203,901
203,953
204,329
204,330
204,428
204,519
204,644
205,324
205,384
205,560
205,561
205,640
205,742
205,809
205,810
205,811
205,971
205,972
206,295
206,296
206,467
12 : 204,429

Class D65

1 : 203,778
204,577
204,645
205,253
205,562
205,690
205,691
206,250
206,502
11 : 203,777

Class D66

1 : 204,430
205,017
205,105

Class D67

2 : 203,565
204,840
205,106
3 : 203,717
203,718
204,520
204,521
204,717
205,107
205,692

Class D68

1 : 203,566

Class D69

1 : 205,641
206,033

Class D70

1 : 203,779
204,173
204,646
205,200
206,034
206,297

1 : 206,560
2 : 205,018

Class D71

1 : 203,424
203,425
203,485
203,523
203,524
203,525
203,567
203,719
203,720
203,721
203,722
203,780
203,781
203,902
203,903
204,034
204,035
204,108
204,174
204,331
204,332
204,333
204,334
204,335
204,431
204,432
204,433
204,522
204,523
204,524
204,525
204,647
204,841
204,842
204,843
204,844
204,967
205,019
205,108
205,109
205,110
205,169
205,201
205,254
205,255
205,325
205,326
205,327
205,328
205,385
205,484
205,486
205,487
205,488
205,563
205,564
205,604
205,642
205,643
205,693
205,694
205,743
205,812
205,813
205,814
206,035
206,104
206,105
206,138
206,298
206,299
206,413
206,503
206,504
206,505
206,506
206,561

Class D72

1 : 203,723
204,109
204,216
204,526
204,916
205,020
205,021
205,049
205,329
205,695
205,696
205,973
1 : 205,974
206,106
206,107
206,139
206,507

Class D73

1 : 203,782
204,648
206,036
206,140

Class D74

1 : 203,724
203,904
204,036
204,037
204,336
205,565
205,744
205,871
206,414
2 : 204,217
204,337
206,468
5 : 203,486
203,568
203,635
203,725
203,954
9 : 203,526
205,566
205,644
206,197
206,469
10 : 204,338
17 : 204,527
205,022
205,330
205,645
205,872
21 : 204,917

Class D77

1 : 205,605
205,975

Class D78

1 : 205,170

Class D80

1 : 205,917
2 : 204,339
204,340
204,918
205,111
3 : 206,198
5 : 204,038
205,815
8 : 203,726
203,783
204,039
204,040
204,175
204,176
204,341
204,342
204,578
205,112
205,113
205,256
205,257
205,428
205,567
206,199
206,200
206,207
206,300
206,301
206,302
206,303
206,470
9 : 203,487
203,569
203,636
203,637
203,638
203,727
203,784
203,955
204,041
204,042
9 : 204,110
204,177
204,178
204,218
204,343
204,344
204,345
204,434
204,528
204,649
204,845
205,023
205,114
205,258
205,386
205,387
205,646
205,745
205,976
205,977
206,037
206,141
206,201
206,251
206,304
206,305
206,471
206,472
206,508
10 : 203,905
204,043
204,111
204,435
204,529
204,718
204,847
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206,415
11 : 203,488
203,489
203,906
204,044
204,179
204,719
205,115
205,429
205,873
206,038
206,306
206,509
206,562
21 : 203,877

Class D81

1 : 203,490
204,720
205,818
2 : 204,346
204,721
4 : 204,180
205,979
5 : 205,819
206,473
7 : 203,909
204,968
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10 : 203,527
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18 : 206,416
19 : 203,426
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20 : 204,350
206,308
21 : 204,045
204,351
204,530
205,647
24 : 206,108
25 : 203,639
25 : 203,910
204,220
204,221
205,263
26 : 205,264

Class D82

2 : 203,728
205,572
205,876
206,511

Class D83

1 : 203,427
203,428
203,570
203,571
203,640
203,729
203,787
203,788
203,789
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204,046
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205,978
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205,980
205,981
205,982
206,040
206,109
206,208
206,209
206,210
206,254
206,364

Class D87

2 : 203,642
203,643
203,644
203,645
203,646
3 : 203,737
204,048
204,181
8 : 203,734
205,050
205,606
205,700
205,821
206,206
206,476
10 : 203,735
203,736
203,793
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204,355
204,356
204,438
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205,389
205,576
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206,142
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206,252
206,253
206,309
206,310
206,363
206,417
206,418
206,419
206,420
206,475
206,512
206,513
206,563
8 : 204,047
205,266
3 : 204,223
204,582
205,333
205,578
205,607
206,144
206,211
206,313
206,314
206,015
206,365
206,564
5 : 203,959
204,357
204,358
204,439
204,533
204,725

Class D85

2 : 203,429
203,641
203,731
203,732
203,733
203,791
203,913
203,957
203,958
2 : 204,354
204,855
205,172
205,388
8 : 203,430
203,572
203,573
203,792
203,914
203,915
203,916
204,116
204,652
204,856
204,922
206,312

Class D86

8 : 203,734
205,050
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10 : 203,735
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Class D87

2 : 203,642
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3 : 203,737
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9 : 204,182
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11 : 204,118
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16 : 204,121
18 : 205,431
20 : 203,431
203,961
204,359
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204,583
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204,653
204,861
204,862
205,051
205,204
205,205
205,274
205,334
205,335
205,390
205,391
205,432
205,491
205,649
205,880

Class D91

1 : 204,122
204,123
1 : 204,586
205,052
205,053
205,117
205,275
205,338
205,433
205,434
205,435
205,436
205,581
205,582
205,650
205,922
206,316
206,366
206,421
3 : 203,432
203,433
203,649
203,795
203,920
203,921
204,184
204,441
204,536
204,587
204,654
204,655
205,024
205,118
205,119
205,120
205,121
205,122
205,276
205,277
205,337
205,437
205,984
206,041
3 : 206,042
206,043
206,044
206,045
206,213
206,515
4 : 205,278
205,392
206,214
206,565

Class D92

1 : 203,796
204,656
205,608
206,367
4 : 205,336
205,701
15 : 203,797
203,798
204,442
204,926
204,970
206,368
17 : 203,922
21 : 203,962
26 : 203,574
204,537
205,025
205,206
205,393
205,985
206,215
206,422
206,423
206,478

Class D93

3 : 203,434
203,493
203,650
203,923
204,124
204,360
4 : 203,575
203,799
204,125
204,726
205,176
206,046
206,216
206,369
206,516
206,517

1966

CLASSIFICATION OF PLANTS

ORIGINAL CLASSIFICATION

P.–	P.–	P.–	P.–	P.–	P.–
3: 2.595	17: 2.689	21: 2.693	33: 2.591	43: 2.694	54: 2.684
5: 2.620	18: 2.629	22: 2.594	2.618	45: 2.610	55: 2.596
6: 2.649	2.653	2.626	2.681	49: 2.611	57: 2.647
2.697	2.654	2.661	34: 2.608	2.612	2.672
7: 2.682	2.669	24: 2.673	2.616	2.613	62: 2.589
8: 2.683	2.691	25: 2.602	2.650	50: 2.685	2.668
10: 2.646	19: 2.586	2.628	2.667	51: 2.617	66: 2.614
11: 2.652	2.696	26: 2.634	35: 2.606	2.622	68: 2.621
2.687	20: 2.597	27: 2.593	38: 2.619	2.662	2.658
12: 2.636	2.598	2.635	2.674	2.675	2.659
2.664	2.625	28: 2.590	42: 2.665	2.678	2.698
14: 2.592	2.627	29: 2.623	2.671	2.679	70: 2.660
2.624	2.645	30: 2.641	43: 2.588	52: 2.680	2.686
2.648	2.657	2.695	2.601	54: 2.587	71: 2.632
2.688	21: 2.585	31: 2.607	2.663	2.630	72: 2.631
15: 2.609	2.655	32: 2.642	2.676	2.644	2.633
16: 2.651	2.692				

P.–
77: 2.637
78: 2.638
2.643
2.670
79: 2.640
82: 2.639
84: 2.599
2.600
85: 2.603
2.604
2.605
2.666
2.677
2.690
88: 2.615
89: 2.656

CLASSIFICATION OF PATENTS

CROSS-REFERENCE CLASSIFICATION

Class 1																							
56	: 3,234,572	68	: 3,234,563	196	: 3,260,292	279	: 3,280,488	180	: 3,292,615	69	: 3,231,904	320	: 3,237,904
147	: 3,292,727		3,274,612	197	: 3,266,056	322	: 3,295,178	182	: 3,272,201		3,261,639		3,261,034
415	: 3,231,976		3,283,349		3,271,778	323	: 3,276,088		3,283,756	70	: 3,230,557	327	: 3,234,623
549	: 3,231,976		3,296,582	198	: D204,593	325	: 3,269,618		3,292,614	71	: 3,237,215		3,245,092
612	: 3,265,522	69.5	: 3,259,126		3,229,308	327	: 3,263,685	185	: 3,235,306		3,255,468		3,255,467
		.5	: 3,284,818		3,237,209	335	: 3,286,318		3,239,846	72	: 3,255,468		3,271,028
Class 2		70	: 3,261,024		3,259,912	338	: 3,227,185		3,248,741	78	: 3,253,285	328	: 3,259,432
		73	D203,653		3,295,536		3,241,881		3,253,293	81	: 3,252,169	331	: 3,238,539
2	: 3,229,692		3,292,629	199	: D205,926		3,291,528		3,256,036		3,259,427		3,249,387
	3,229,694	74	: 3,253,282		3,229,872		3,295,501		3,258,011		3,265,432		3,262,133
	3,245,095		3,276,036		3,237,210		3,295,529		3,273,741		3,285,619	332	: 3,230,557
	3,247,844	76	: 3,230,545	201	: 3,276,039	339	: 3,295,144		3,286,970	82	: 3,253,284		3,243,826
	3,259,128	78	: 3,281,863		3,287,737				3,290,090	83	: 3,252,704		3,278,225
	3,288,157	79	: 3,234,564	204	: 3,242,501	Class 3			3,292,185		3,268,918	334	: 3,248,147
	3,295,529	80	: 3,246,337	205	: 3,242,500			187	: 3,263,935		3,277,501		3,273,175
.1	: 3,229,936	81	: 3,273,177		3,267,487	1	: 3,233,607		3,274,622	86	: 3,230,553		3,283,345
.1	: 3,246,621		3,292,179		3,295,511		3,272,204	190	: 3,231,093		3,243,825		3,284,816
.5	: 3,284,806	82	: 3,255,459	207	: 3,261,025		3,276,448	191	: 3,233,744		3,264,658	335	: 3,251,360
3	: D204,731		3,268,914		3,286,276		3,279,464		3,278,201		3,266,061		3,256,038
	D204,732		3,280,403	209	: 3,273,164		3,284,557		3,278,949		3,270,353		3,273,176
	D205,179	83	: 3,279,069	.1	: 3,275,106	12.5	: 3,266,059	196	: 3,239,149		3,270,574	336	: 3,276,430
	3,229,872	87	: 3,228,821	211	: 3,256,528	13	: 3,228,741		3,247,968	89	: 3,284,816		3,276,432
	3,254,883		3,272,685	217	: 3,241,156	21	: 3,273,168	201	: 3,244,609	91	: 3,233,255	337	: 3,248,414
	3,258,010	88	: D204,225	221	: 3,230,545	36	: 3,285,247	204	: 3,244,609		3,261,035		3,248,415
	3,283,349	91	: 3,261,025		3,258,780			206	: 3,283,340	92	: 3,246,346		3,248,416
	3,284,806		3,276,037	224	: 3,237,625	Class 4		209	: 3,273,170		3,266,061		3,251,794
	3,295,511	96	: 3,230,545		3,243,824			228	: 3,241,718		3,277,887		3,254,064
	3,296,582		3,261,042		3,245,407	1	: 3,259,918		3,254,797	97	: 3,267,494	338	: 3,235,892
8	: 3,232,290		3,289,263		3,249,110	3	: 3,271,793	230	: 3,230,551	99	: 3,235,890		3,242,511
	3,254,932	97	: 3,251,727		3,253,599	6	: 3,288,140	233	: 3,240,326		3,239,270		3,276,047
	3,273,166		3,262,128		3,262,128	7	: 3,229,693	236	: 3,230,551		3,259,426	339	: 3,241,161
9	: D204,730	98	: 3,231,899		3,279,469		3,258,011		3,254,363	109	: 3,261,032		3,283,345
	D204,927	103	: 3,230,547		3,283,545	10	: 3,238,124	237	: 3,244,168	111	: 3,232,136		3,290,703
	3,295,143	114	: 3,251,360		3,295,520	41	: 3,239,847	250	: 3,266,060		3,232,502	340	: 3,263,246
10	: 3,239,842	115	: 3,246,343	225	: 3,232,293	42	: 3,285,277	252	: 3,241,427		3,287,895	341	: 3,243,828
	3,262,125	116	: Re.25,999	227	: 3,255,030	56	: 3,255,773		3,271,054		3,295,149	344	: 3,237,904
12	: 3,261,028		3,237,207		3,262,128	57	: 3,282,288	263	: 3,259,430	112	: 3,286,285		3,241,160
13	: 3,226,729	122	: 3,259,913		3,287,739	58	: 3,280,407	286	: 3,276,735	115	: 3,269,770	345	: 3,241,658
	3,236,579		3,277,496	229	: 3,280,405	68	: 3,271,793	287	: 3,231,903	118	: 3,231,304		3,242,512
	3,254,932	127	: Re.25,999	232	: 3,286,375	71	: 3,234,565	288	: 3,287,742	119	: 3,259,422		3,248,519
14	: 3,233,956	128	: 3,261,068	234	: 3,262,194	77	: 3,275,550	292	: 3,231,093		3,278,953		3,248,738
	3,238,005		3,274,615		3,271,832	99	: 3,230,929			127	: 3,271,029		3,249,952
	3,259,127		3,277,496		3,276,086	100	: 3,239,847	Class 5		142	: 3,267,885		3,251,076
	3,261,652		3,280,403		3,287,779	110	: 3,227,162			174	: 3,230,555		3,251,077
	3,264,002		3,289,263	237	: 3,234,947		3,228,444	3	: 3,239,270	176	: 3,249,953		3,252,735
	3,267,807	130	: 3,261,025		3,279,530	115	: 3,227,648	9	: 3,282,625	178	: 3,232,136		3,255,469
	3,268,228	131	: 3,289,213	238	: 3,252,704		3,238,124	10	: 3,266,062	186	: 3,291,530		3,256,535
	3,269,267	132	: 3,261,313	239	: 3,226,849	116	: 3,284,809	11	: 3,247,528	190	: 3,231,008		3,258,511
	3,276,034		3,276,041		3,256,258	131	: 3,227,114	13	: 3,237,213	192	: 3,234,567		3,263,247
	3,285,688		3,283,337		3,258,858		3,230,913		3,277,503	194	: 3,263,294		3,285,404
	3,288,547		3,286,278		3,271,220	134	: 3,258,291		3,283,341	207	: 3,226,735		3,285,879
		137	: 3,261,025		3,274,709		3,263,241		3,284,814		3,249,953		3,291,530
16	: 3,237,950	143	: 3,261,313		3,274,804	135	: 3,289,214	18	: 3,258,787	210	: 3,231,304	347	: 3,230,556
	3,238,939		3,289,213		3,279,944	142	: 3,295,223	31	: 3,284,812	211	: 3,289,220		3,239,401
	3,253,589	145	: 3,280,404		3,289,328	145	: 3,276,042	32	: 3,258,786	233	: 3,245,091		3,262,739
	3,256,882	151	: 3,283,339		3,289,329	146	: 3,246,582	36	: 3,246,348	237	: 3,295,590		3,292,611
	3,266,058	153	: 3,262,166	241	: 3,269,038	148	: 3,277,617		3,281,870	247	: 3,248,745	348	: 3,235,892
	3,269,728	158	: 3,258,858	243	: 3,252,460	149	: 3,282,328		3,281,871		3,287,745		3,251,075
	3,274,616	159	: 3,237,950		3,255,459	152	: 3,276,042		3,284,811	248	: 3,256,535		3,251,076
20	: 3,262,702		3,249,359		3,257,262	159	: 3,244,287	46	: 3,228,041	255	: 3,248,745		3,253,861
21	: 3,229,690		3,258,858		3,271,779		3,255,344	48	: 3,247,527		3,261,037		3,261,037
	3,248,112	160	: 3,232,632		3,279,069		3,283,344	51	: 3,239,852		3,286,281		3,274,624
	3,258,018	161	: 3,236,553		3,286,277	160	: 3,275,800		3,247,526	259	: 3,276,801		3,283,343
	3,263,681	167	: 3,255,461		3,286,668		3,285,693	55	: 3,242,504	260	: 3,240,483	349	: 3,270,440
	3,283,888		3,259,914	244	: 3,230,545	165	: 3,286,711		3,277,503	263	: 3,251,074		3,288,133
22	: 3,241,153	168	: 3,283,338	247	: 3,231,899	168	: 3,251,637		3,292,188	267	: 3,242,505	351	: 3,235,245
	3,269,036	171.1	: 3,295,536		3,234,564	169	: 3,292,966	57	: 3,228,724	269	: 3,264,660		3,252,170
48	: 3,233,248	172	: 3,247,523		3,248,739	171	: 3,242,624	59	: 3,248,742	273	: 3,231,906		3,259,924
	3,259,913	173	: 3,271,781	249	: 3,280,488		3,287,967		3,253,283	275	: 3,270,354		3,262,138
49	: 3,230,547	174	: 3,241,155	258	: 3,261,313	172	: 3,227,422		3,256,533	281	: 3,237,217		3,274,625
	3,245,382		3,249,113	265	: 3,238,082		3,232,015	62	: 3,261,031	282	: 3,276,403		3,287,744
	3,265,065		3,259,912		3,289,263		3,236,012		3,277,501	284	: 3,266,064	352	: 3,242,509
	3,276,430		3,265,076	266	: 3,263,290	173	: 3,233,857	63	: 3,237,212	285	: 3,276,403		3,249,952
	3,276,431		3,268,913	267	: 3,248,414	178	: 3,247,969		3,243,825	286	: 3,226,735		3,289,224
	3,276,432		3,283,344		3,248,415		3,239,975		3,253,817	288	: 3,261,309	353	: 3,255,470
	3,280,404	177	: 3,234,563		3,248,416		3,244,284		3,281,873		3,266,635	354	: 3,234,567
52	: 3,233,248		3,245,088		3,257,666		3,259,105		3,283,732	295	: 3,278,208		3,242,510
	3,259,913	181.4	: 3,268,911	270	: 3,237,821		3,261,371		3,290,956	298	: Re.26,105		3,258,789
58	: 3,259,911	.4	: 3,289,212	272	: 3,241,156		3,286,712	66	: 3,261,639	303	: Re.26,105		3,273,175
61	: 3,289,329	182.8	: 3,287,738		3,257,262	180	: 3,234,935		3,278,952	310	: 3,228,359		3,273,177
67	: 3,243,824	185	: 3,239,842		3,262,128		3,240,208	67	: 3,262,133	313	: 3,239,851		3,286,284
	3,253,598	187	: 3,242,500	275	: 3,232,293		3,263,678		3,284,126		3,239,852		3,287,749
	3,255,754		3,245,087		3,246,337		3,267,936	68	: 3,246,540	317	: 3,231,905		3,290,702
	3,261,359		3,263,235		3,259,913		3,273,560		3,256,534		3,245,382	355	: 3,234,569
	3,287,937	190	: 3,276,038	276	: 3,246,621		3,283,756		3,257,670		3,246,346		3,239,854
		191	: 3,254,444	278	: 3,238,282		3,288,134		3,277,736		3,276,431		3,242,508

Class 5 —Con.

355 : 3,249,984
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Class 6

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Class 7

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Class 8

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3,284,940
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.2 : 3,247,672
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156 : 3,272,691
158 : 3,233,256
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.6 : 3,246,002
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130.1 : 3,227,511
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.1 : 3,279,944
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137 : 3,234,124
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3,256,143
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3,296,144
3,297,664
140 : 3,235,323
142 : 3,240,710
3,242,073
3,254,029
3,256,143
3,269,539
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147 : 3,284,215
148 : 3,253,875
149 : 3,239,947
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.2 : 3,257,739
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156 : 3,272,691
158 : 3,233,256
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3,292,271

Class 9

1 : 3,265,025
3,269,210
3,276,814
3,285,258
3,285,259
3,295,864
2 : 3,257,987
4 : 3,284,822
6 : 3,264,020
3,271,222
3,282,761
3,291,088
7 : 3,239,850
8 : 3,228,633
3,229,291
3,234,503
3,235,877
3,236,267
3,247,674
3,248,688
3,248,689
3,251,024
3,252,439
3,262,089
3,262,090
3,272,910
3,275,976
3,277,429
3,279,404
3,281,765
3,282,533
3,287,781
3,290,642
3,295,411
3,295,489
.3 : 3,253,138
.3 : 3,276,007
.3 : 3,292,039
.3 : 3,292,172
9 : 3,228,080
3,253,573
3,253,810
3,263,012
3,279,419
3,280,549
3,280,789
11 : 3,237,414
176 : 3,277,958
309 : 3,268,927
3,286,287
310 : 3,227,126
3,242,897
3,242,898
3,254,622
3,256,850
3,272,457
3,273,528
3,276,784
316 : 3,266,669
318 : 3,266,668
319 : 3,228,394
321 : 3,269,310
325 : 3,246,801
338 : 3,228,045
340 : 3,263,249
342 : 3,266,069
345 : 3,247,531
3,248,746
346 : 3,274,612
347 : 3,235,892
348 : 3,235,892
400 : 3,280,549

Class 10

1 : 3,252,367
3,269,006
2 : 3,277,684
4 : 3,277,684
3,282,080
10 : 3,227,199
3,233,258
3,259,928
3,263,726
3,269,443
3,279,517
3,280,412
11 : 3,238,761
3,264,853
12 : 3,247,534
3,282,079
3,295,701
.5 : 3,260,096
.5 : 3,263,480
15 : 3,263,471
3,280,616
18 : 3,271,989
20.5 : 3,277,504
.5 : 3,280,412
23 : 3,228,229
3,238,761
24 : 3,241,353

Class 10 —Con.

24 : 3,247,534
3,289,229
25 : 3,245,098
3,263,471
3,267,500
26 : 3,247,533
3,253,287
3,263,471
3,289,229
27 : 3,247,533
3,284,825
3,286,580
3,295,580
39 : 3,277,684
43 : 3,263,471
52 : 3,239,087
3,277,684
53 : 3,234,572
54 : 3,234,572
3,238,542
64 : 3,234,083
69 : 3,277,684
72 : 3,261,043
3,270,355
73 : 3,238,543
76 : 3,274,626
81 : 3,261,043
3,264,665
85 : 3,251,079
3,267,500
86 : 3,239,930
3,240,248
3,251,079
3,255,798
3,258,048
3,258,796
3,260,293
3,267,500
3,272,250
3,287,796
3,289,724
3,290,982
87 : 3,270,592
3,277,684
90 : 3,283,391
101 : 3,285,108
104 : 3,273,253
3,276,051
105 : 3,273,182
106 : 3,274,627
107 : 3,226,742
3,229,313
3,280,412
112 : 3,252,172
122 : 3,274,627
123 : 3,226,741
3,255,473
124 : 3,290,779
125 : 3,290,779
136 : 3,226,993
3,232,143
139 : 3,232,143
3,251,250
3,256,542
140 : 3,227,012
3,258,797
141 : 3,251,080
3,260,150
147 : 3,278,957
152 : 3,246,556
3,269,006
3,290,982
3,295,154
153 : 3,239,930
155 : 3,249,221
3,259,161
3,259,163
3,289,282
162 : 3,233,259
3,289,884
165 : 3,226,744
166 : 3,247,532
3,271,989
169 : 3,252,367
3,280,412

Class 11

1 : 3,250,162
3,256,029
3,284,570
3,292,951
2 : 3,228,709
3,237,758
5 : 3,292,951
93 : 3,293,085

Class 12

1 : 3,237,227
3,238,547
3,242,515
1 : 3,245,100
3,256,420
3,257,675
3,274,628
7.1 : 3,266,072
8.1 : 3,292,190
.2 : 3,228,046
.2 : 3,255,475
.2 : 3,264,666
.8 : 3,237,224
10.1 : 3,256,544
.1 : 3,271,799
.5 : 3,233,261
.5 : 3,245,100
.8 : 3,228,047
12.4 : 3,251,081
.5 : 3,238,545
.5 : 3,245,100
.5 : 3,292,191
14.2 : 3,234,574
.2 : 3,245,100
.4 : 3,228,046
.4 : 3,234,574
.5 : 3,233,261
.5 : 3,256,544
.5 : 3,273,183
16.4 : 3,243,829
17 : 3,233,438
.2 : 3,286,683
27 : 3,276,406
33.2 : 3,255,476
.2 : 3,255,491
43 : 3,247,535
51 : 3,233,438
52 : 3,276,055
53.5 : 3,238,545
.7 : 3,259,931
.7 : 3,292,794
59.7 : 3,286,288
66 : 3,289,230
77 : 3,235,894
.5 : 3,255,477
86.6 : 3,246,352
.7 : 3,274,628
87 : 3,282,247
107 : 3,249,955
115.8 : 3,254,354
116.6 : D204,448
117.4 : 3,263,252
120.5 : 3,259,284
124 : 3,259,931
126 : 3,234,574
3,238,547
133 : 3,262,142
142 : 3,228,819
3,233,347
3,239,952
3,241,517
3,262,142
3,289,330
145 : 3,232,813
146 : 3,233,348
3,234,668
3,239,398
3,241,166
3,257,742
3,257,743
3,262,141
3,270,357
3,270,358
147 : 3,263,349
3,273,184
3,293,494

Class 13

1 : Re.25,958
3,243,266
3,243,493
3,243,509
3,250,842
3,258,314
3,267,529
3,270,177
3,287,107
3,295,559
2 : 3,237,930
3,249,423
3,290,031
4 : 3,246,373
6 : 3,244,494
3,244,495
3,244,496
3,246,124
3,248,191
3,248,206
3,250,849
3,257,181
3,257,184
3,264,076
3,268,320
3,268,321
3,269,821
3,288,583
8 : 3,248,177
9 : Re.25,958
3,230,072
3,230,914
3,245,761
3,246,070
3,251,217
3,251,659
3,254,149
3,258,256
3,264,094
3,264,095
3,274,417
3,286,012
10 : 3,227,642
3,239,593
3,253,076
3,257,196
3,286,012
11 : 3,246,373
12 : 3,242,312
3,246,373
13 : 3,229,148
3,230,412
3,243,509
3,250,894
3,288,693
3,289,029
14 : 3,249,797
16 : 3,249,675
3,293,402
18 : 3,244,508
3,248,592
3,251,763
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20 : 3,232,749
3,243,174
3,246,956
3,259,527
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21 : 3,275,735
22 : 3,260,783
3,277,585
23 : 3,244,511
24 : 3,291,969
25 : 3,236,205
3,237,142
3,240,915
3,243,174
3,246,956
3,248,517
3,257,492
3,259,527
3,271,562
3,281,517
3,293,412
26 : 3,230,073
3,235,243
3,239,204
3,243,509
3,258,256
3,259,470
3,265,958
3,295,559
27 : 3,227,431
3,238,288
3,244,495
3,244,496
29 : 3,276,692
3,291,472
30 : 3,249,676
31 : 3,234,640
3,236,205
3,239,592
3,240,479
3,240,856
3,243,174
3,243,570
3,244,141
3,244,855
3,244,857
3,252,692
3,255,290
3,263,015
3,267,529
3,270,118
3,270,233
3,271,556
3,274,374
3,274,417
3,275,787
3,277,865
3,286,021
3,287,107
3,290,033
3,292,574
32 : 3,240,915
33 : 3,233,977
3,239,593
3,258,256
3,264,094
3,269,827
3,291,472
34 : Re.25,958
3,239,592
3,243,493
3,245,761
3,272,905
3,273,212
3,279,912
35 : 3,256,173

Class 14

1 : 3,247,539
3,252,173
3,258,800
4 : 3,246,775
14 : 3,295,276
16 : 3,243,236
3,261,737
3,273,473
17 : 3,239,862
19 : 3,268,288
23 : 3,268,288
24 : 3,247,539
71 : 3,228,355
3,245,101
3,288,522
72 : 3,233,767
3,261,489
73 : 3,247,539
3,260,023
3,272,269
75 : 3,230,560

Class 15

1.5 : 3,245,153
.5 : 3,245,835
.7 : 3,235,885
.7 : 3,245,420
.7 : 3,247,968
.7 : 3,248,812
.7 : 3,261,371
.7 : 3,265,079
.7 : 3,291,145
3 : 3,273,186
.13: 3,242,008
.13: 3,252,607
.14: 3,261,368
.14: 3,267,943
.16: 3,229,423
.5 : 3,228,611
.51: 3,288,163
.52: 3,292,198
21 : 3,230,561
3,236,960
3,246,754
3,276,833
3,277,506
3,280,415
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3,289,441
3,292,614
3,292,642
22 : 3,231,917
3,240,077
3,255,637
3,256,031
3,272,023
3,277,509
24 : 3,289,239
28 : 3,288,381
29 : 3,272,200
31 : 3,239,864
38 : 3,227,078
3,234,599
3,252,174
3,278,972
40 : 3,286,505
41 : 3,248,154
42 : 3,268,936
48 : 3,246,353
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49 : 3,268,935
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50 : 3,252,627
3,259,033
3,264,674
3,270,361
3,274,632
3,278,974
3,283,352
3,283,675
3,289,232
67 : Re.25,962
3,290,711
71 : 3,264,675
74 : 3,261,286
77 : 3,231,915
3,233,263
3,237,228
3,289,682
79 : 3,229,320
82 : 3,228,053
82 : 3,230,645
3,284,830
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83 : 3,229,320
84 : 3,263,257
87 : 3,281,879
88 : 3,227,629
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93 : 3,237,828
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94 : 3,271,272
97 : 3,263,341
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98 : 3,268,935
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102 : 3,256,854
103.5 : 3,244,139
.5 : 3,288,108
104.01: 3,267,503
.01: 3,267,506
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.06: 3,291,217
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.09: 3,278,964
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.16: 3,264,173
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146 : 3,239,280
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191 : 3,256,546
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.17: 3,253,206
.17: 3,262,038
.18: 3,246,358
.19: 3,234,575
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.19: 3,292,196
.21: 3,292,200
.24: 3,234,575
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.27: 3,278,968
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.35: 3,265,415
.36: 3,238,555
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.5 : 3,231,293
.5 : 3,245,153
.5 : 3,252,573
.5 : 3,255,038
.5 : 3,266,810
.51: 3,229,662
.51: 3,264,673
.51: 3,267,526
.51: 3,292,201
.53: 3,245,379
.6 : 3,273,190
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.06: 3,241,175
.1 : 3,278,969
.6 : 3,259,153
.7 : 3,281,178
258 : 3,251,086
261 : 3,229,317
264 : 3,276,064
3,280,418
301 : 3,261,050
3,285,693
302 : 3,286,444
304 : 3,264,906
306 : 3,242,008
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3,264,173
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3,267,970
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3,270,397
3,272,651
308 : 3,239,863
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310 : 3,295,298
311 : 3,266,074
312 : 3,251,175
3,269,151
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313 : 3,230,569
314 : 3,258,553
3,291,927
315 : 3,261,107
3,268,933
317 : 3,234,580
319 : 3,232,030
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3,283,093
3,286,444
320 : 3,258,803
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320 : 3,290,716
321 : 3,281,885
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323 : 3,251,107
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327 : 3,238,706
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339 : 3,226,758
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345 : 3,238,557
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348 : 3,243,834
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351 : 3,264,674
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374 : 3,235,899
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375 : 3,238,557
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389 : 3,284,830
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392 : 3,233,274
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3,273,532
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523 : 3,278,973
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543 : 3,229,866
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3,295,537
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546 : 3,226,760
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547 : 3,226,760
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550 : 3,229,866
551 : 3,254,804
552 : 3,242,928
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553 : 3,256,894
554 : 3,292,644
555 : 3,227,165
3,256,894
556 : 3,256,980
557 : 3,241,729
3,261,367
561 : 3,229,321
3,256,549
562 : 3,230,570
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563 : 3,239,870
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574 : 3,263,263
575 : 3,255,929
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579 : 3,242,928
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581 : 3,233,275
3,256,551
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3,266,079
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582 : 3,276,067
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584 : 3,295,537
585 : 3,231,923
589 : 3,245,160
590 : 3,281,887
593 : 3,228,057
594 : 3,271,809
3,295,537
595 : 3,241,174
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596 : 3,284,838
597 : 3,239,870
602 : 3,233,272
604 : 3,284,838
605 : 3,261,675
607 : 3,258,809
608 : 3,255,481
609 : 3,280,421

Class 16

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3,244,802
3,249,687
3,277,234
3,290,430
3,295,158
18 : 3,243,194
3,246,908
3,259,432
3,269,746
19 : 3,276,788
21 : 3,228,089
3,243,194
3,263,266
3,287,026
23 : 3,273,171
24 : 3,239,022
3,285,447
29 : 3,229,991
32 : 3,260,533
3,261,618
35 : 3,228,089
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38 : 3,230,575
41 : 3,231,293
43 : 3,229,991
44 : 3,270,367
45 : 3,283,358
46 : 3,281,888
48 : 3,246,908
49 : 3,292,203
50 : 3,295,157
51 : 3,255,482
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52 : 3,259,937
55 : 3,273,196
56 : 3,255,482
58 : 3,259,937
66 : 3,284,841
70 : 3,266,191
71 : 3,260,545
72 : 3,278,979
75 : 3,254,452
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78 : 3,267,513
80 : 3,236,013
81 : 3,274,733
82 : 3,253,272
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84 : 3,249,961
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85 : 3,259,936
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86 : 3,243,222
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86 : 3,256,638
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87 : D204,265
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94 : 3,247,893
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95 : 3,242,535
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97 : 3,231,067
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98 : 3,253,552
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99 : 3,276,166
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101 : 3,276,166
104 : 3,242,535
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105 : 3,242,535
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106 : 3,257,968
110 : 3,232,355
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112 : 3,265,168
113 : 3,231,055
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115 : 3,242,840
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3,275,336
116 : 3,252,404
121 : 3,236,575
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3,252,404
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131 : 3,236,555
132 : 3,269,059
133 : 3,263,595
135 : 3,266,859
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136 : 3,231,929
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137 : 3,230,586
3,231,994
139 : 3,289,582
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141 : 3,233,611
142 : 3,262,149
144 : 3,227,155
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145 : 3,284,120
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147 : 3,231,218
3,262,227
149 : 3,261,029
150 : 3,289,877
151 : 3,285,324
154 : 3,268,944
156 : 3,289,988
158 : 3,226,920
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189 : 3,284,753
190 : 3,226,763
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191 : 3,271,811
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195 : 3,267,611
197 : 3,280,511
198 : 3,246,363
200 : 3,247,616

Class 17

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3,234,592
3,237,603
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2 : 3,232,412
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11 : 3,233,282
11 : 3,247,543
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24 : 3,229,328
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25 : 3,256,801
26 : 3,269,302
32 : D203,612
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41 : 3,264,679
42 : 3,245,108
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3,261,893
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3,264,688
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3,266,083
3,266,088
3,266,100
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3,243,491

Class 18

1 : 3,226,767
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3,229,362
3,230,282
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Class 18 —Con.

4 : 3,246,063
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3,271,492
3,272,115
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57 : 3,274,321
59 : 3,239,789
3,243,414
75 : 3,232,633

Class 19

.21: 3,268,953
.25: 3,251,093
.25: 3,271,824
.25: 3,295,170
.26: 3,234,599
.26: 3,272,048
.46: 3,264,705
.46: 3,287,787
.48: 3,277,537
.56: 3,251,097

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8 : 3,277,129
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65 : 3,226,925
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66 : 3,226,801
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90 : 3,233,836
97 : 3,231,941
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105 : Re.26,015
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156 : 3,237,753
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272 : 3,256,570
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288 : 3,270,397
291 : 3,251,098
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293 : 3,232,132
295 : 3,278,994
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Class 20

.8 : 3,238,772
1.05: 3,229,333
.126 3,228,723
2 : 3,231,121
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3.5 : 3,242,334
4 : 3,230,587
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23 : 3,226,780
24 : 3,230,585
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.4 : 3,229,335
.4 : 3,237,779
94.3 : 3,233,893
138 : 3,280,285
277 : 3,234,300

Class 21

2 : 3,251,749
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.5 : 3,231,480
.5 : 3,254,255
.5 : 3,256,203
.5 : 3,257,162
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.5 : 3,290,231
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65 : 3,238,313
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74 : 3,242,334
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74 : 3,285,711
77 : 3,242,334
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78 : 3,258,850
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82 : 3,249,137
83 : 3,236,588
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85 : 3,278,256
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88 : 3,261,660
89 : 3,266,170
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91 : 3,246,947
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.2 : 3,245,126
92 : 3,251,357
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127 : 3,274,758

Class 22

9 : 3,230,685
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13 : 3,230,590
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82 : 3,234,605
84 : 3,279,002
87 : 3,249,348
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91 : 3,276,081
92 : 3,238,576
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93 : 3,276,081
94 : 3,256,572
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95 : 3,238,577
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164 : 3,259,492
165 : 3,258,816
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Class 22 —Con.

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78 : 3,246,929
81 : 3,226,763
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82 : 3,256,015
84 : 3,261,065
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87 : 3,247,847
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89 : 3,276,447
90 : 3,260,068
96 : 3,290,811
112 : 3,237,261
113 : 3,234,684
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114.5 : 3,263,289

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225 : 3,254,384
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226 : 3,232,393
230 : 3,226,876
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.5 : 3,280,438
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232 : 3,270,494
234 : 3,242,709
236 : 3,241,201
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237 : 3,231,298
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238 : 3,264,888
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241 : 3,266,833
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245 : 3,237,904
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252 : 3,239,902
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254 : 3,263,293
255 : 3,261,069
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257 : 3,245,031
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258 : 3,268,852
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259 : 3,231,075
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260 : 3,292,221
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.5 : 3,233,868
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268 : 3,231,298
269 : 3,276,083
271 : 3,238,581
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272 : 3,295,177
273 : 3,242,542
274 : 3,233,922
278 : 3,281,981
279 : 3,249,370
3,261,577
284 : 3,249,371
285 : 3,280,846
Class 25
.1 : 3,239,981
3,242,548
3,245,129
3,255,991
2 : 3,231,956
3,239,186
3,242,548
3,252,200
3,257,701
3,259,374
3,264,685
3,264,867
3,267,482
12 : 3,249,068
3,264,388
14 : 3,228,064
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3,240,573
3,253,892
15 : 3,249,039
16 : 3,286,661
17 : 3,241,503
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3,255,715
3,256,560
3,267,518
3,271,822
3,274,315
21 : 3,260,225
3,266,088
22 : 3,231,956
3,245,130
30 : 3,234,619
3,239,591
3,250,669
3,250,670
3,263,285
3,276,092
32 : 3,230,722
3,250,077
3,292,227
3,292,511
33 : 3,279,021
34 : 3,234,617
35 : 3,255,497
3,262,175
36 : 3,234,618
3,273,216
3,283,384
38 : 3,230,722
3,231,947
3,232,812
3,232,826
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3,287,801
3,293,337
39 : 3,273,216
40 : 3,229,345
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41 : 3,233,018
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3,276,093
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3,296,346
.5 : 3,279,739
42 : 3,257,701
3,264,703
3,274,319
45 : 3,241,187
3,266,094
3,268,952
Class 26
2 : 3,234,971
3,236,586
3,236,587
3,277,552
3,285,796
3,288,103
3 : 3,264,752
3,275,041
7 : 3,267,548
10.4 : 3,258,038
11 : 3,279,023
12 : 3,267,548
18.5 : 3,228,745
.5 : 3,235,931
.5 : 3,270,429
.5 : 3,280,143
.6 : 3,226,796
.6 : 3,236,718
.6 : 3,267,549
.6 : 3,269,893
101 : 3,241,210
102 : 3,245,118
3,245,119
3,245,120
3,257,688
3,264,687
102 : 3,266,095
3,268,951
3,277,535
3,284,858
103 : 3,239,895
3,239,907
3,240,847
3,245,114
5 : 3,282,066
7 : 3,242,247
8 : 3,228,356
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11 : 3,228,356
3,231,957
104 : 3,231,956
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105 : 3,283,051
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108 : 3,242,548
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109 : 3,242,548
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110 : 3,246,594
111 : 3,239,907
112 : 3,240,847
118 : 3,226,893
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3,239,186
3,239,913
3,260,494
3,286,419
.5 : 3,289,246
121 : 3,228,071
3,239,186
3,281,911
122 : 3,240,618
3,245,648
3,271,813
127 : 3,228,712
3,258,512
3,269,421
128 : 3,229,016
3,231,644
3,231,936
3,231,947
3,236,924
Class 27
1 : 3,254,773
3,265,338
7 : 3,283,386
11 : 3,257,820
16 : 3,262,726
19 : 3,233,302
24 : 3,241,476
25 : 3,283,755
28 : 3,273,219
Class 28
1 : 3,231,167
3,232,268
3,237,655
3,241,195
3,242,035
3,253,803
3,254,373
3,256,134
3,256,258
3,258,038
3,262,181
3,263,298
3,266,692
3,271,836
3,280,444
3,281,913
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3,286,307
3,286,321
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3,293,013
.2 : 3,242,698
.2 : 3,290,902
4 : 3,230,599
3,247,816
15 : 3,253,282
18.6 : 3,229,175
19 : 3,236,464
21 : 3,229,925
3,263,281
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22 : 3,238,591
28 : 3,229,175
3,247,568
37 : 3,242,550
50 : 3,247,662
51 : 3,247,662
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54 : 3,276,485
18.6 : 3,290,209
27 : 3,266,117
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29 : 3,285,796
30 : 3,246,378
33 : 3,246,378
36 : 3,235,934
51 : 3,255,650
.5 : 3,247,566
.5 : 3,254,300
52 : 3,235,931
54 : 3,240,412
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55 : 3,238,282
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3,266,460
56 : 3,257,735
57 : 3,240,412
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3,258,866
58 : 3,256,580
60 : 3,235,931
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61 : 3,256,558
3,258,866
63 : 3,227,281
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64 : 3,235,906
65 : 3,230,597
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67 : 3,248,798
68 : 3,234,662
69 : 3,238,282
3,256,581
70 : 3,251,112
3,266,359
3,276,227
76 : 3,228,745

Class 28 —Con.

57 : 3,253,269
59 : 3,233,585
3,247,660
.5 : 3,241,212
.5 : 3,247,662
61 : 3,247,664
62 : 3,230,347
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64 : 3,256,719
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71.3 : 3,226,792
.3 : 3,228,180
.3 : 3,229,015
.3 : 3,238,592
.3 : 3,266,082
.3 : 3,277,228
.3 : 3,287,888
.3 : 3,295,182
.4 : 3,247,662
72 : 3,226,792
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3,231,958
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3,234,626
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74 : 3,244,675
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75 : 3,226,773
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77 : 3,230,744
79 : 3,229,691
176 : 3,292,992

Class 29

1 : 3,248,780
3,260,137
.1 : 3,257,108
.3 : 3,289,450
.32: 3,248,774
.5 : 3,232,171
6.1 : 3,287,873
8 : 3,261,181
9 : 3,287,483
11 : 3,256,553
21.1 : 3,249,023
.1 : 3,252,213
23.5 : 3,246,389
25.1 : 3,227,913
.1 : 3,242,557
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Class 30

2 : 3,232,154
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6.1 : 3,260 190

Class 30 —Con.

6.3 : 3,259,977
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25 : 3,292,257
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304 : D205,286
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326 : D204,616
329 : 3,261,095
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367 : 3,246,396

Class 31

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21 : 3,231,974
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28 : 3,277,574
33 : 3,233,327
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48 : 3,279,633

Class 32

1 : 3,238,620
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66 : 3,229,727
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67 : 3,271,858
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71 : 3,226,827
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Class 33

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195 : 3,240,340
3,263,337
197 : 3,258,850
3,289,314
199 : 3,286,362
201 : 3,232,247
3,279,092
203 : 3,233,976
3,277,580

Class 34 —Con.

204 : 3,263,337
207 : 3,229,378
3,253,345
208 : 3,229,378
3,253,345
3,272,155
3,272,156
3,280,825
3,286,362
210 : 3,256,616
211 : 3,257,737
3,257,738
212 : 3,251,139
3,257,737
3,257,738
215 : 3,256,616
216 : 3,226,839
3,228,113
3,233,338
3,250,315
3,254,426
3,257,739
3,263,341
3,281,958
217 : 3,230,634
3,254,426
218 : 3,256,616
3,258,850
3,263,337
3,273,255
3,280,473
3,286,368
219 : 3,251,139
3,257,739
3,259,996
3,285,693
223 : 3,284,916
225 : 3,226,839
3,249,348
3,259,996
3,281,958
3,286,370
226 : 3,256,616
3,266,558
3,285,693
228 : 3,254,429
231 : 3,259,996
3,266,558
3,276,139
3,281,958
3,286,362
3,287,815
232 : 3,266,559
233 : 3,233,337
3,238,638
3,249,348
3,256,617
3,259,996
3,286,370
3,290,112
236 : 3,231,914
3,245,155
3,254,426
3,257,739
3,267,585
3,273,255
3,280,825
3,286,362
3,290,791
3,295,222
237 : 3,259,996
3,270,433
238 : 3,283,931
3,286,365
239 : 3,244,445
3,256,617
3,284,917
3,287,820
242 : 3,233,338
3,234,661
3,243,892
3,249,737
3,250,096
3,255,616
3,260,383
3,264,004
3,291,468
243 : 3,259,996
3,282,067
3,284,611
3,286,368

Class 35

2 : 3,230,642
3,251,141
3,279,099
3 : 3,227,535
3,238,837
3,256,767
5 : 3,229,800
3,285,384
6 : 3,234,664
7 : 3,228,133
3,238,643
3,277,589
3,279,794
8 : D206,249
3,233,346
3,234,666
3,270,441
3,273,894
3,277,587
3,283,760
9 : 3,228,121
3,228,128
3,231,693
3,242,596
3,248,050
3,259,401
3,261,112
3,271,882
3,280,482
3,281,959
3,284,084
3,284,923
10 : 3,247,367
3,247,603
3,258,856
3,261,111
.2 : 3,249,914
.2 : 3,258,743
.2 : 3,267,195
.2 : 3,267,263
.4 : 3,229,093
.4 : 3,239,825
.4 : 3,242,493
.4 : 3,258,770
.4 : 3,267,471
.4 : 3,276,016
.4 : 3,296,608
11 : 3,238,641
12 : 3,233,508
3,254,665
3,240,059
3,240,120
3,247,317
3,249,085
3,261,028
3,261,912
3,270,441
3,278,680
3,280,636
13 : 3,237,318
3,285,062
3,295,227
14 : 3,238,644
3,261,111
16 : 3,269,034
3,281,970
17 : 3,258,006
18 : 3,250,022
3,271,881
3,286,339
19 : 3,237,318
3,237,341
3,253,499
3,257,584
3,272,506
3,278,182
3,280,370
3,281,964
3,289,321
20 : 3,269,578
3,271,880
22 : 3,235,263
3,280,499
23 : 3,281,966
3,289,319
24 : 3,235,977
3,238,652
25 : 3,230,421
3,276,143
3,280,243
3,283,418
26 : 3,236,368
3,268,379
3,273,261
3,280,792
3,287,193
3,291,552
27 : 3,238,645
3,269,032
28 : 3,234,681
3,257,727
3,274,706
.3 : 3,277,591
.5 : 3,295,690
29 : 3,229,981
3,243,186
3,244,421
3,276,147
3,276,149
.6 : 3,290,043
30 : 3,260,450
30 : 3,269,031
3,273,794
31 : 3,229,388
3,231,189
3,252,230
3,272,431
3,275,235
3,283,417
34 : 3,230,643
3,289,322
35 : 3,226,845
3,230,825
3,233,344
3,233,346
3,233,512
3,238,662
3,239,951
3,245,156
3,245,687
3,248,809
3,250,020
3,250,021
3,252,230
3,258,857
3,263,347
3,266,172
3,270,438
3,276,144
3,276,145
3,280,271
3,281,959
3,281,960
3,283,760
3,290,800
.3 : 3,287,503
37 : 3,247,604
39 : 3,295,312
40 : 3,279,109
42 : 3,238,857
3,248,806
43 : 3,251,143
3,263,088
45 : 3,266,176
3,281,969
46 : 3,251,599
3,281,961
47 : 3,257,728
3,287,832
3,290,799
48 : 3,226,845
3,230,640
3,233,341
3,252,229
3,253,462
3,254,431
3,255,536
3,266,162
3,267,258
3,269,033
3,270,334
3,273,260
3,277,588
3,283,416
3,284,923
3,287,827
3,289,320
51 : 3,276,146
3,281,970
53 : 3,231,989
3,255,611
3,257,727
56 : 3,281,966
3,289,339
57 : 3,258,858
58 : 3,271,882
59 : 3,248,815
60 : 3,261,028
3,266,175
63 : 3,290,131
66 : 3,234,681
3,279,100
3,280,493
3,284,924
69 : 3,233,343
3,235,263
3,274,706
70 : 3,248,804
71 : 3,235,976
3,245,687
3,280,499
72 : 3,229,386
3,271,895
3,289,322
73 : 3,229,386
3,235,975
3,238,645
3,263,347
3,274,704
3,274,706
74 : 3,230,642
3,248,809
3,249,085
3,275,235
3,290,811
74 : 3,295,226
75 : 3,226,845
3,239,951
3,283,417
3,292,284
76 : 3,228,118
3,235,262
3,246,402
3,284,924
77 : 3,238,652

Class 36

1 : 3,241,163
3,251,607
3,274,442
3,281,624
3,287,602
3,291,668
3,293,494
3,296,489
3,296,490
.5 : 3,241,153
2 : 3,238,537
3,241,153
3,286,375
.5 : D203,805
.5 : D203,806
.5 : D204,053
.5 : D205,057
.5 : 3,226,849
.5 : 3,236,310
.5 : 3,268,912
.5 : 3,276,055
.5 : 3,280,485
.5 : 3,283,423
3 : 3,231,454
3,251,144
3,252,231
3,253,355
4 : D204,658
3,272,902
3,293,494
7.3 : 3,228,819
.3 : 3,283,422
8.1 : 3,258,863
.4 : 3,281,939
9 : 3,226,849
3,246,337
3,264,761
3,268,767
10 : 3,243,901
3,289,328
11 : 3,228,050
3,289,330
.5 : 3,275,002
12 : 3,273,263
15 : 3,271,886
17 : 3,235,979
3,271,887
19.5 : 3,247,536
22 : 3,232,820
24.5 : 3,226,850
.5 : 3,256,620
25 : 3,247,537
3,248,373
3,251,144
3,271,861
28 : 3,251,145
3,273,265
30 : 3,252,231
3,273,265
3,280,484
32 : D203,530
3,226,851
3,290,803
34 : 3,226,850
3,236,815
3,251,144
35 : 3,256,620
36 : 3,235,894
3,237,321
37 : 3,266,177
39 : 3,267,592
42 : 3,271,885
43 : D204,596
3,244,649
44 : 3,247,538
45 : 3,239,952
46.5 : 3,276,057
50 : 3,259,950
3,262,167
3,266,112
3,279,015
56 : 3,235,981
3,283,423
57 : 3,291,085
58.5 : 3,234,667
59 : D206,222
3,258,859
3,281,971
3,287,833
62 : 3,229,389
66 : 3,271,885
67 : 3,236,553
68 : 3,238,089
3,281,876
71 : 3,237,319
3,258,859
72 : 3,235,978
3,241,153
3,263,348
3,270,442
76 : 3,249,955
3,273,266
3,290,803
77 : 3,234,668
3,238,089
3,239,861
3,270,358

Class 37

1 : 3,235,982
3,287,922
2 : 3,243,905
7 : 3,252,277
8 : 3,245,159
3,258,926
3,272,559
3,274,711
12 : 3,259,123
19 : 3,228,125
42 : 3,238,647
43 : 3,230,645
3,241,173
3,241,253
3,276,571
53 : 3,267,594
3,286,376
54 : 3,230,721
55 : 3,226,854
3,238,708
3,248,812
58 : 3,238,734
3,263,615
59 : 3,260,004
71 : 3,276,152
3,286,863
72 : 3,286,286
73 : 3,272,477
81 : 3,255,829
83 : 3,238,734
86 : 3,235,982
90 : 3,231,310
97 : 3,280,487
103 : 3,286,377
108 : 3,245,159
3,246,405
3,266,050
3,295,233
115 : 3,247,606
3,276,152
117.5 : 3,230,645
.5 : 3,233,687
.5 : 3,235,985
.5 : 3,238,648
.5 : 3,243,067
.5 : 3,252,606
.5 : 3,257,745
.5 : 3,258,864
.5 : 3,265,428
.5 : 3,272,264
123 : 3,248,811
124 : 3,254,738
126 : 3,250,028
3,260,179
130 : 3,248,811
135 : 3,240,323
141 : 3,247,606
3,269,039
3,272,559
3,279,630
142 : 3,246,930
3,254,922
3,271,080
3,282,629
3,283,426
143 : 3,231,991
3,258,864
3,266,050
3,269,039
144 : 3,226,860
3,232,184
3,243,905
3,251,628
3,290,804
3,295,461
145 : 3,261,643
146 : 3,287,834
153 : 3,234,669
3,264,667
156 : 3,241,254
170 : 3,234,671
179 : 3,229,391
180 : 3,226,860
3,266,180
3,266,181
182 : 3,231,114
183 : 3,243,905
184 : 3,252,606
190 : 3,226,856
191 : 3,235,102
3,266,179
193 : 3,286,476
195 : 3,251,628
3,269,039

Class 38

2 : 3,237,752
12 : 3,270,926
14 : 3,258,578
15 : 3,272,964
3,279,106
16 : 3,257,047
3,286,077
17 : 3,286,077
35 : 3,256,623
44 : 3,260,078
50 : 3,260,197
58 : 3,284,921
66 : 3,266,182
72 : 3,258,578
77 : 3,228,126
3,272,964
3,284,933
3,286,077
78 : 3,264,764
79 : 3,234,672
81 : 3,238,649
100 : 3,287,542
102 : 3,237,778
3,271,981
.91: 3,242,601
.91: 3,285,480
.91: 3,287,765
107 : 3,251,147
3,268,192
140 : 3,245,161
3,267,578
141 : 3,229,393
3,234,672
143 : 3,231,267
3,237,752
144 : 3,257,739
3,268,915
3,269,796
3,286,277

Class 39

1 : 3,241,755
8 : 3,236,552
96 : 3,239,268

Class 40

1 : 3,235,214
.5 : 3,263,352
.5 : 3,277,593
2 : 3,227,268
3,228,129
3,257,228
3,258,858
3,270,453
3,272,532
3,274,716
3,291,374
.2 : 3,245,697
.2 : 3,254,438
.2 : 3,256,626
.2 : 3,279,826
.2 : 3,283,713
8 : 3,239,298
10 : 3,228,131
3,231,992
3,238,629
3,238,656
3,243,886
3,246,591
3,248,814
3,251,151
3,263,347
3,264,770
3,274,718
3,274,721
3,285,418
3,288,414
3,295,690
11 : 3,228,131
3,231,951
3,237,326
3,258,232
3,260,006
3,287,841
16 : D205,054
3,253,359
3,289,339
17 : 3,236,523
3,269,042
3,269,108
19.5 : 3,264,026
.5 : 3,264,462
20 : 3,234,678
3,260,007
3,287,841
21 : 3,269,041
3,273,705
23 : 3,266,833
3,269,391
24 : 3,241,255
26 : 3,280,790
28 : 3,249,302
3,264,758
3,267,455
3,270,447
3,273,270
3,295,228
.1 : 3,230,824
.1 : 3,232,004
.1 : 3,238,842
.3 : 3,245,156
.3 : 3,289,016
.3 : 3,292,610
30 : 3,277,595
31 : 3,235,197
32 : 3,229,395
33 : 3,231,995
3,234,674
3,245,616
3,247,609
3,286,385
3,292,610
36 : 3,246,412
3,263,920
3,276,314
37 : 3,242,332
3,249,302
3,260,372
3,290,817
39 : 3,271,897
3,290,817
3,292,319
3,292,569
40 : 3,235,722
51 : 3,270,450
52 : 3,229,281
3,234,542
3,250,031
3,254,433
3,266,019
3,267,455
3,267,595
3,273,140
3,274,717
3,277,594
3,277,595
3,283,427
3,292,171
3,295,238
53 : 3,274,703
61 : 3,228,128
3,289,334
62 : 3,235,977
3,235,987
3,237,331
63 : 3,230,652
3,237,329
3,246,413
3,274,718
3,277,598
64 : 3,253,359
3,289,337
65 : 3,234,673
3,235,977
3,242,591
3,248,809
3,262,417
3,288,543
3,295,241
67 : 3,245,736
3,256,629
68 : 3,228,695
3,245,616
70 : 3,248,809
3,249,085
3,255,539
3,259,311
3,262,640
3,280,788
72 : 3,261,649
76 : 3,246,410
3,255,539
3,270,446
77 : 3,266,176
3,292,289
3,295,240
78 : 3,246,412
3,263,920
79 : 3,233,511
3,247,757
3,260,155
3,263,559
3,270,445
3,273,454

82 : 3,250,256
3,255,977
3,270,450
85 : 3,245,635
3,255,808
86 : 3,228,118
3,237,328
3,255,541
3,264,051
3,266,723
3,280,491
96 : 3,235,262
3,246,410
3,286,390
98 : 3,263,920
102 : 3,231,994
3,251,477
3,253,358
3,269,390
3,279,109
3,285,249
3,289,333
3,292,285
3,292,632
103 : 3,248,806
104 : 3,268,868
106 : 3,241,617
.1 : 3,241,258
.1 : 3,249,691
.21: 3,265,877
.22: 3,249,302
.25: 3,271,881
.3 : 3,250,533
.31: 3,265,388
.32: 3,292,610
.33: 3,277,594
.45: 3,229,281
.51: 3,237,331
.51: 3,270,447
.51: 3,273,269
.52: 3,226,866
.52: 3,269,731
.52: 3,271,213
.52: 3,280,478
.53: 3,263,353
107 : 3,276,198
3,278,010
113 : 3,259,311
114 : 3,238,652
120 : 3,275,280
121 : 3,275,343
124 : 3,263,347
3,270,709
3,280,820
.1 : 3,226,863
.1 : 3,267,597
.1 : 3,269,043
.1 : 3,276,146
.1 : 3,280,492
125 : 3,234,677
3,234,903
3,235,214
3,236,481
3,237,330
3,237,334
3,239,957
3,240,183
3,242,901
3,247,005
3,247,608
3,249,994
3,250,032
3,254,434
3,254,436
3,255,725
3,256,625
3,256,626
3,257,228
3,262,223
3,264,768
3,280,521
3,284,938
3,285,795
3,287,840
3,288,412
3,290,814
3,291,096
3,295,237
126 : 3,239,956
3,258,180
3,283,136
3,286,384
3,289,333
3,292,287
128 : 3,239,958
3,254,437
3,255,542
3,255,543
3,256,629
3,263,356
3,284,938
129 : D204,727
3,237,963
3,241,857
130 : 3,234,847
3,237,341
3,238,654
3,242,329
3,245,163
3,246,204
3,247,332
3,248,494
3,249,302
3,251,985
3,259,102
3,277,586
3,283,136
3,284,889
3,296,431
131 : 3,263,353
132 : 3,244,468
3,258,868
3,276,198
3,277,597
3,279,110
3,291,975
133 : 3,255,725
134 : 3,249,994
3,263,358
3,270,201
135 : 3,237,330
3,237,963
3,241,857
3,251,149
3,254,436
3,254,563
3,257,748
136 : 3,244,579
3,247,005
3,256,626
3,262,223
3,284,889
137 : 3,235,987
3,247,005
3,258,868
3,268,238
138 : 3,260,372
139 : 3,266,458
3,277,597
140 : 3,230,652
3,254,436
142 : 3,226,838
3,229,398
3,237,327
3,270,452
3,277,589
3,289,338
143 : 3,236,204
3,247,608
3,289,555
145 : 3,241,257
3,242,901
3,250,241
3,267,805
3,273,273
3,280,790
3,287,840
152 : 3,230,652
3,240,117
3,240,142
3,254,927
3,263,357
3,266,361
3,270,614
3,271,218
3,276,154
3,284,113
3,286,382
.1 : 3,226,863
.1 : 3,234,676
.1 : 3,269,043
.1 : 3,275,281
.1 : 3,280,492
.2 : 3,270,451
156 : 3,237,333
158 : 3,240,142
3,246,412
3,256,979
3,264,154
3,264,767
3,271,218
3,275,439
3,280,820
3,280,972
3,289,343
3,289,531
3,291,669
159 : 3,241,857
160 : 3,264,767
175 : 3,295,312
200 : 3,230,653
3,260,149
3,262,174
.5 : 3,267,277
205 : 3,263,358
213 : 3,244,641
217 : 3,233,352
219 : 3,256,014
3,266,016
219 : 3,292,287
305 : 3,232,215
308 : 3,251,543
310 : 3,245,857
3,256,978
3,288,318
312 : 3,254,824
3,292,290
327 : 3,228,686
3,231,993
332 : 3,286,385
336 : 3,245,696
3,266,819
3,272,531
340 : 3,247,298

Class 42

1 : 3,230,654
3,245,350
3,252,237
3,255,546
3,255,669
3,262,440
3,264,771
3,269,046
3,274,936
3,276,127
3,277,785
3,279,072
3,283,657
3,284,845
3,285,131
3,292,264
7 : 3,270,455
16 : 3,234,679
3,255,667
3,269,044
3,270,617
3,287,843
17 : 3,242,608
25 : 3,234,679
3,253,362
3,270,456
3,273,460
39.5 : 3,279,188
40 : 3,283,436
41 : 3,260,009
43 : 3,276,158
46 : 3,292,363
50 : 3,239,959
3,242,609
3,281,979
51 : 3,247,611
52 : 3,241,259
54 : 3,292,293
66 : 3,226,870
69 : 3,233,602
3,237,335
3,242,607
3,245,167
3,249,048
3,253,362
3,256,777
3,276,158
3,283,657
70 : 3,237,335
72 : 3,267,923
3,269,380
75 : 3,227,046
3,241,449
3,282,165
76 : 3,226,871
3,228,298
3,261,121
3,284,942
77 : 3,280,495
78 : 3,228,298
84 : 3,283,658
87 : 3,270,617
3,292,293

Class 43

1 : 3,239,413
4 : 3,236,553
5 : 3,287,845
6 : 3,227,454
3,274,936
3,287,845
8 : 3,237,337
3,261,176
9 : 3,226,876
3,256,578
3,273,276
14 : 3,261,122
3,273,276
17 : 3,275,260
.1 : 3,229,404
.5 : 3,267,277
18 : 3,229,406
3,270,457
19.2 : 3,292,906
21 : 3,269,049
21.2 : 3,229,405
.2 : 3,246,865
.2 : 3,259,346
.2 : 3,285,360
22 : 3,229,405
3,269,049
23 : 3,287,844
24 : 3,245,169
3,279,116
25 : 3,270,457
3,287,844
.2 : 3,288,112
.2 : 3,292,298
26.2 : 3,235,999
.2 : 3,269,049
34 : 3,273,894
37 : 3,266,185
41.2 : 3,292,296
42.09: 3,226,874
.09: 3,236,000
.1 : 3,273,277
.12: 3,260,011
.13: 3,257,750
.14: 3,245,171
.15: 3,230,656
.15: 3,241,261
.15: 3,279,117
.18: 3,253,363
.2 : 3,245,171
.2 : 3,264,774
.23: 3,248,820
.23: 3,279,117
.24: 3,245,171
.24: 3,271,892
.24: 3,289,345
.29: 3,241,261
.31: 3,226,875
.31: 3,248,820
.32: 3,289,345
.33: 3,245,171
.35: 3,255,548
.35: 3,269,050
.36: 3,226,874
.36: 3,230,658
.36: 3,241,261
.36: 3,269,050
.38: 3,226,874
.38: 3,248,820
.39: 3,243,912
.39: 3,248,820
.4 : 3,226,874
.4 : 3,253,363
.42: 3,231,999
.43: 3,231,999
.45: 3,253,363
.45: 3,264,775
.47: 3,243,912
.47: 3,271,892
.47: 3,279,117
.49: 3,243,912
.49: 3,253,363
.49: 3,269,049
.49: 3,277,549
.5 : 3,229,407
.5 : 3,230,658
.5 : 3,236,000
.5 : 3,238,660
.5 : 3,257,750
.5 : 3,264,775
.5 : 3,289,345
.52: 3,248,820
.53: 3,281,982
43.11: 3,292,296
.12: 3,229,408
.12: 3,230,659
.13: 3,229,408
.13: 3,238,660
.13: 3,271,892
.14: 3,237,338
.15: 3,292,296
.15: 3,295,245
.4 : 3,231,999
.6 : 3,274,726
.6 : 3,287,483
44.4 : 3,271,890
.81: 3,248,820
.83: 3,241,201
.83: 3,269,049
.84: 3,270,458
.84: 3,292,298
.84: 3,295,245
.86: 3,255,548
.88: 3,255,549
.9 : 3,271,893
.9 : 3,273,278
.9 : 3,292,296
.91: 3,269,047
.92: 3,237,338
.92: 3,280,498
.95: 3,241,262
.95: 3,269,047
.97: 3,253,363
.98: 3,269,049
.99: 3,260,238
54.5 : 3,277,599
55 : 3,233,279
3,236,206
3,237,339
3,272,376
3,273,276
57.5 : 3,226,874
.5 : 3,230,659
.5 : 3,251,638
.5 : 3,273,279
.5 : 3,292,298
77 : 3,282,000
87 : 3,276,159
100 : 3,271,894
102 : 3,245,173
110 : 3,231,997
112 : 3,258,872
124 : 3,238,098
3,271,246
3,285,810
125 : 3,249,553
3,255,967
127 : 3,249,553
129 : 3,238,143
3,242,098
3,244,641
3,250,723
3,255,967
131 : 3,285,810
3,286,872
134 : 3,231,997
137 : 3,292,299
139 : 3,231,997
145 : 3,279,657
147 : 3,228,144
3,235,126
148 : 3,246,846
3,252,656
3,261,551
243 : 3,273,038

Class 44

1 : 3,252,770
3,270,048
3,271,438
3,296,221
2 : 3,232,097
3 : 3,228,403
3,229,681
3,240,396
3,261,347
3,293,187
4 : 3,228,936
3,236,611
5 : 3,249,075
6 : 3,231,345
3,231,346
3,232,720
3,232,721
3,236,611
7 : 3,232,801
3,262,765
3,274,161
3,290,243
.5 : 3,266,272
10 : 3,227,530
3,231,345
3,231,346
3,232,720
3,232,721
3,232,722
3,232,845
3,240,573
12 : 3,266,873
3,266,874
15 : 3,240,573
3,268,310
26 : 3,227,530
38 : 3,269,807
3,279,900
40 : 3,231,345
3,231,346
3,232,720
3,232,721
3,279,453
41 : 3,231,345
3,231,346
3,232,720
3,232,721
3,236,611
3,248,907
3,268,310
3,279,900
44.2 : 3,274,985
46 : 3,272,604
50 : Re.26,116
3,272,742
51 : 3,241,505
3,268,263
55 : 3,234,134
57 : 3,247,261
3,254,109
58 : 3,235,494
58 : 3,236,614
3,287,273
3,296,133
62 : 3,227,531
3,231,498
3,232,883
3,234,186
3,235,503
3,244,631
3,251,775
3,252,949
3,254,063
3,256,073
3,275,668
3,277,134
3,281,360
3,281,442
3,288,829
3,290,392
3,291,734
70 : 3,227,531
3,227,532
3,227,533
3,234,134
3,236,612
3,246,023
3,249,632
3,250,599
3,254,972
3,269,809
3,272,605
3,273,981
3,274,109
3,275,427
3,277,148
3,277,152
3,277,157
3,278,577
3,282,662
3,282,836
3,285,855
3,285,954
3,288,577
3,290,337
3,292,532
3,230,058
3,232,724
3,235,497
3,235,503
3,240,575
3,240,701
3,241,932
3,247,110
3,249,540
3,249,541
3,249,632
3,251,661
3,251,664
3,251,778
58 : 3,236,614
3,287,273
3,296,133
62 : 3,227,531
3,231,498
3,232,883
3,234,186
3,235,503
3,244,631
3,251,775
3,252,949
3,254,063
3,256,073
3,275,668
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3,281,442
3,288,829
3,290,392
3,291,734
70 : 3,227,531
3,227,532
3,227,533
3,234,134
3,236,612
3,246,023
3,249,632
3,250,599
3,254,972
3,269,809
3,272,605
3,273,981
3,274,109
3,275,427
3,277,148
3,277,152
3,277,157
3,278,577
3,282,662
3,282,836
3,285,855
3,285,954
3,288,577
3,290,337
3,292,532
3,230,058
3,232,724
3,235,497
3,235,503
3,240,575
3,240,701
3,241,932
3,247,110
3,249,540
3,249,541
3,249,632
3,251,661
3,251,664
3,251,778
68 : 3,296,288
69 : 3,231,348
3,231,511
3,232,723
3,232,724
3,244,736
3,252,911
3,254,975
3,267,149
3,270,042
3,274,224
3,274,258
3,275,668
3,277,134
3,281,360
3,281,442
3,288,829
3,290,392
3,291,734
70 : 3,227,531
3,227,532
3,227,533
3,234,134
3,236,612
3,246,023
3,249,632
3,250,599
3,254,972
3,269,809
3,272,605
3,273,981
3,274,109
3,275,427
3,277,148
3,277,152
3,277,157
3,278,577
3,282,662
3,282,836
3,285,855
3,285,954
3,288,577
3,290,337
3,292,532
3,230,058
3,232,724
3,235,497
3,235,503
3,240,575
3,240,701
3,241,932
3,247,110
3,249,540
3,249,541
3,249,632
3,251,661
3,251,664
3,251,778
71 : 3,227,532
3,230,058
3,232,724
3,235,497
3,235,503
3,240,575
3,240,701
3,241,932
3,247,110
3,249,540
3,249,541
3,249,632
3,251,661
3,251,664
3,251,778
72 : 3,230,257
3,238,257
3,238,277
3,239,519
3,240,574
3,244,491
3,248,361
3,251,778
3,251,821
3,251,852
3,254,109
3,255,244
3,255,245
3,257,442
3,257,455
3,257,479
3,265,474
3,265,737
3,268,450
3,270,048
3,273,980
3,275,717
3,278,577
3,288,726
3,288,802
3,291,831
73 : 3,236,613
3,240,574
3,251,778

Class 44 —Con.

73 : 3,254,974
3,255,191
3,269,808
3,269,810
74 : 3,254,109
3,268,450
3,271,449
3,274,246
3,278,577
3,285,852
3,290,376
75 : 3,235,347
3,238,132
3,238,177
3,248,361
3,250,713
3,254,109
3,269,810
3,269,812
3,271,449
3,274,246
3,278,577
3,279,901
3,281,463
3,293,297
76 : 3,227,532
3,228,925
3,228,986
3,228,987
3,230,057
3,230,245
3,230,262
3,231,622
3,232,723
3,232,724
3,232,883
3,234,287
3,234,288
3,238,026
3,238,131
3,238,262
3,240,577
3,240,703
3,240,705
3,243,450
3,243,482
3,248,361
3,248,457
3,250,712
3,251,770
3,252,911
3,253,013
3,254,025
3,254,973
3,254,975
3,255,191
3,256,144
3,256,189
3,256,191
3,256,193
3,256,194
3,257,442
3,257,460
3,257,479
3,259,579
3,259,654
3,259,655
3,259,656
3,259,659
3,260,754
3,261,890
3,263,000
3,267,149
3,268,629
3,268,630
3,269,808
3,271,312
3,271,481
3,272,605
3,274,258
3,275,717
3,278,577
3,281,506
3,282,976
3,285,852
3,285,954
3,287,270
3,287,415
3,287,416
3,291,661
3,291,734
3,291,809
77 : 3,227,533
3,230,058
3,239,434
3,240,009
3,240,578
3,247,261
3,255,191
3,261,674
3,265,661
3,270,497
77 : 3,272,605
3,291,580
.2 : 3,234,134
78 : 3,232,724
3,234,285
3,248,186
3,248,361
3,251,663
3,251,801
3,255,113
3,255,255
3,257,321
3,265,742
3,270,072
3,270,497
3,271,314
3,279,901
3,281,463
3,290,250
3,290,392
3,291,580
79 : 3,246,965
3,278,491
80 : 3,227,533
3,245,766
3,250,599
3,252,771
3,252,772
3,271,121
3,288,577

Class 45

5 : 3,246,413

Class 46

1 : 3,229,872
3,266,063
3,295,150
2 : 3,290,796
3 : 3,258,100
3,289,347
4 : 3,243,914
6 : 3,260,462
7 : 3,260,462
8 : 3,234,688
9 : 3,234,357
3,272,510
3,273,261
11 : 3,235,263
3,258,268
12 : 3,231,942
13 : 3,247,628
14 : 3,250,531
15 : 3,228,137
3,233,356
3,233,942
3,241,833
16 : 3,238,645
3,276,149
17 : 3,235,263
3,236,002
3,243,895
3,254,892
3,261,619
19 : 3,228,137
3,231,942
3,236,003
3,295,225
20 : 3,257,762
21 : 3,269,034
3,271,895
22 : 3,279,122
23 : 3,233,358
3,234,683
3,284,946
24 : 3,237,341
25 : 3,252,287
26 : 3,236,004
3,271,895
28 : 3,229,386
29 : 3,230,643
3,270,478
30 : 3,241,833
31 : 3,274,727
3,289,322
32 : 3,234,685
33 : 3,238,644
34 : 3,235,988
3,289,333
3,289,334
35 : 3,228,742
36 : 3,243,895
37 : 3,235,262
3,256,634
3,286,390
42 : 3,253,354
43 : 3,237,512
3,275,325
3,276,778
3,281,985
47 : 3,229,412
3,249,356

47 : 3,261,604
3,290,157
3,295,250
49 : 3,256,635
3,272,506
3,278,182
50 : 3,229,413
51 : 3,261,604
53 : 3,292,319
61 : 3,255,552
3,287,846
62 : 3,269,727
64 : 3,254,446
3,269,053
3,287,846
65 : 3,236,002
3,287,846
66 : 3,233,359
3,253,365
3,272,054
67 : 3,229,414
68 : 3,230,662
72 : 3,269,055
73 : 3,263,362
3,287,846
74 : 3,228,141
3,229,413
3,229,414
3,229,930
3,232,618
3,233,357
3,233,362
3,246,897
3,249,267
75 : 3,229,413
77 : 3,228,119
78 : 3,229,413
3,229,414
3,229,415
3,229,416
3,232,564
3,237,342
3,238,664
82 : 3,229,413
3,229,415
83 : 3,246,424
3,271,033
3,283,442
86 : 3,229,418
3,238,663
89 : 3,229,418
3,232,001
3,256,020
3,260,017
3,292,304
90 : 3,233,352
3,250,241
3,267,504
3,281,984
91 : 3,251,600
92 : 3,239,956
3,269,056
93 : 3,229,413
3,229,414
3,229,415
3,256,850
3,271,896
3,280,501
94 : 3,229,420
3,242,613
3,251,154
3,254,441
95 : 3,246,419
107 : 3,232,003
3,267,605
111 : 3,236,008
3,263,361
3,286,395
3,295,249
112 : 3,238,665
113 : 3,264,782
114 : 3,234,684
3,292,300
115 : 3,228,138
116 : 3,227,825
3,228,139
117 : 3,230,661
3,234,686
3,292,611
3,292,932
118 : 3,228,143
3,234,688
3,235,259
3,243,914
3,244,052
3,246,423
3,292,610
119 : 3,229,421
3,242,611
3,250,037
3,262,704
3,287,847
123 : 3,236,006
3,247,683

124 : 3,226,878
3,229,414
3,287,846
3,290,817
126 : 3,229,411
3,237,937
135 : 3,230,666
3,237,937
3,261,124
3,264,778
3,292,610
137 : 3,247,683
141 : 3,234,687
142 : 3,235,259
145 : 3,269,055
3,273,282
3,287,847
147 : 3,247,683
149 : 3,237,345
150 : 3,267,607
3,267,608
154 : 3,226,849
155 : 3,252,242
156 : 3,234,681
157 : 3,228,138
3,228,139
158 : 3,279,121
161 : 3,229,411
3,229,421
3,243,916
3,267,607
3,267,608
3,269,054
3,284,947
3,292,610
162 : 3,292,610
163 : 3,234,689
3,277,601
3,277,602
164 : 3,236,006
3,246,422
3,273,280
3,277,602
165 : 3,256,597
166 : 3,264,778
168 : 3,287,848
169 : 3,230,665
3,230,666
3,236,006
3,237,344
3,261,124
3,264,778
3,287,849
172 : 3,279,122
173 : 3,234,689
3,246,422
3,254,442
3,266,059
3,267,607
3,267,608
3,273,280
3,273,283
3,277,601
3,277,602
3,284,947
3,287,847
175 : 3,230,661
3,237,341
3,252,241
3,254,895
3,258,873
3,259,005
3,260,016
3,266,455
3,271,898
3,282,588
3,283,441
3,283,758
3,285,609
3,292,611
176 : 3,267,600
177 : 3,264,782
179 : 3,247,748
3,277,861
180 : 3,226,879
3,291,127
183 : 3,228,143
187 : 3,230,664
189 : 3,233,361
3,285,609
3,295,249
191 : 3,233,361
3,244,419
3,252,242
3,261,253

191 : 3,286,396
192 : 3,235,259
3,247,614
3,252,241
3,260,015
3,263,361
3,264,782
3,267,606
3,283,441
3,286,393
196 : 3,240,924
3,286,392
202 : 3,228,607
3,233,363
3,241,263
3,279,794
3,295,249
204 : 3,238,665
205 : 3,240,201
3,292,300
206 : 3,229,413
3,229,414
3,229,415
3,232,001
3,237,342
3,243,917
209 : 3,266,233
210 : 3,237,343
211 : 3,232,005
213 : 3,264,781
214 : 3,260,013
215 : 3,246,421
218 : 3,246,420
220 : 3,237,947
221 : 3,233,358
3,234,683
3,292,300
222 : 3,280,500
227 : 3,237,341
3,266,187
228 : 3,229,976
3,232,004
3,237,341
3,246,897
3,251,599
3,258,006
3,266,187
229 : 3,233,362
232 : 3,232,004
3,233,357
3,233,362
3,234,687
3,237,341
3,238,644
3,239,229
3,252,247
3,253,365
3,287,020
3,289,347
3,292,610
233 : 3,239,961
236 : 3,232,004
3,276,148
3,278,011
237 : 3,238,643
238 : 3,239,961
239 : 3,235,260
3,254,440
3,277,294
240 : 3,231,988
3,246,897
3,266,802
241 : 3,237,941
3,239,961
3,254,895
3,262,704
3,265,388
3,287,847
242 : 3,239,956
3,246,422
3,292,303
243 : 3,231,108
3,231,275
3,233,357
3,234,687
3,251,599
3,254,446
3,260,013
3,260,017
3,266,187
3,271,899
3,273,553
3,276,393
3,278,182
3,292,610
3,292,926
244 : 3,231,987
3,246,719
3,288,233
245 : 3,243,914
3,289,347
247 : 3,228,136
3,243,916
248 : 3,293,462

Class 47

1 : 3,230,967
3,235,009
3,245,776
3,260,674
3,269,578
3,284,209
.2 : 3,233,366
.2 : 3,241,264
.2 : 3,255,015
.2 : 3,292,584
.3 : 3,287,586
.4 : 3,235,364
.4 : 3,236,600
.42 : 3,295,480
.5 : 3,236,036
.5 : 3,237,388
.7 : 3,250,597
.7 : 3,270,962
2 : 3,243,890
3,244,641
3,250,723
3,288,358
9 : RE.26,077
3,241,173
3,252,784
3,261,127
3,269,824
3,274,138
3,276,943
3,292,307
17 : 3,254,448
3,274,730
21 : 3,270,461
29 : 3,276,943
31 : 3,252,251
34 : 3,213,365
3,242,614
.11 : 3,241,264
.11 : 3,249,140
.12 : 3,252,252
36 : 3,269,551
37 : 3,273,930
3,282,868
3,284,932
39 : 3,231,229
41 : 3,229,948
3,239,170
3,243,336
3,265,338
3,296,058
.13 : 3,284,039
44 : 3,286,403
47 : 3,238,671
3,239,171
48.5 : 3,243,962
.5 : 3,289,418
57.5 : 3,286,400
58 : 3,231,365
3,236,600
3,245,776
3,246,039
3,250,597
3,255,227
3,257,271
3,260,674
3,268,394
3,274,138
3,281,986
3,281,987
3,288,613

Class 48

4 : 3,268,298
12 : 3,291,572
30 : 3,268,298
35 : 3,291,572
56 : 3,243,271
58 : 3,268,298
3,291,572
63 : 3,253,906
94 : 3,257,172
3,291,573
102 : 3,227,427
104 : 3,257,180
107 : 3,230,059
3,273,983
3,291,582
118.5 : 3,291,572
180 : 3,244,221
3,265,373
3,268,435
3,283,482
184 : 3,233,987
3,257,180
190 : 3,257,180
3,273,982
191 : 3,233,987
3,257,180
192 : 3,237,617
3,248,854
3,276,288

193 : 3,276,247
3,280,620
196 : 3,227,527
3,230,052
3,232,713
3,232,726
3,232,727
3,232,728
3,246,888
3,248,441
3,257,172
3,262,685
3,264,066
3,285,719
197 : 3,244,615
3,247,092
3,254,976
3,264,066
3,271,326
3,278,452
203 : 3,258,409
206 : 3,253,906
3,254,976
210 : 3,254,976
212 : 3,250,601
3,283,749
214 : 3,236,615
3,257,172
3,270,078
3,271,325
3,278,268
3,291,573
215 : 3,262,886

Class 49

16 : 3,271,901
18 : 3,271,901
28 : 3,252,503
32 : 3,269,061
3,284,950
36 : 3,275,370
48 : 3,288,200
62 : 3,290,823
68 : 3,283,443
71 : 3,263,369
3,286,404
74 : 3,290,823
77 : 3,284,951
3,287,852
118 : 3,261,128
125 : 3,291,192
127 : 3,280,526
3,295,257
131 : 3,256,637
138 : 3,247,615
139 : 3,254,699
3,261,128
3,264,785
163 : 3,283,443
177 : 3,291,192
178 : 3,248,821
197 : 3,265,118
198 : 3,291,453
199 : 3,270,572
210 : 3,247,616
211 : 3,273,285
216 : 3,290,087
221 : 3,261,128
224 : 3,280,506
3,280,507
225 : 3,265,118
226 : 3,269,059
227 : 3,247,616
236 : 3,264,786
248 : 3,275,370
252 : 3,247,617
257 : 3,266,189
260 : 3,287,853
264 : 3,247,615
300 : 3,269,058
3,274,732
310 : 3,280,510
317 : 3,262,226
3,295,588
320 : 3,295,257
324 : 3,280,508
334 : 3,247,615
337 : 3,285,634
3,295,390
340 : 3,269,061
3,274,732
3,284,950
345 : 3,257,755
346 : 3,258,874
349 : 3,272,021
3,289,741
351 : 3,247,616

358 : 3,257,756
3,277,619
3,289,350
360 : 3,277,619
3,281,991
361 : 3,290,087
3,292,971
362 : 3,257,756
3,263,367
3,289,350
366 : 3,274,734
367 : 3,295,589
374 : 3,252,256
376 : 3,273,286
377 : 3,273,285
380 : 3,253,704
381 : 3,287,856
383 : 3,266,192
385 : 3,273,285
386 : 3,263,365
3,291,192
3,295,589
388 : 3,250,038
3,257,755
389 : 3,276,069
390 : 3,262,226
3,285,634
394 : 3,258,875
397 : 3,289,351
400 : 3,274,734
409 : 3,255,807
3,287,759
414 : 3,267,612
3,287,853
421 : 3,284,953
423 : 3,273,286
3,280,511
425 : 3,255,807
3,256,639
426 : 3,280,507
428 : 3,269,062
430 : 3,248,821
431 : 3,256,641
440 : 3,284,954
445 : 3,284,954
446 : 3,290,825
449 : 3,256,639
3,295,259
452 : 3,281,993
3,284,953
453 : 3,290,825
460 : 3,264,786
3,281,989
3,286,405
3,290,082
462 : 3,280,510
463 : 3,295,259
3,295,884
465 : 3,270,462
3,286,412
469 : 3,248,822
470 : 3,273,287
475 : 3,286,417
3,288,667
477 : 3,267,612
3,280,526
478 : 3,289,352
479 : 3,271,232
483 : 3,271,063
3,281,990
488 : 3,271,902
489 : 3,267,614
3,274,734
3,276,167
3,284,976
3,287,856
3,290,853
491 : 3,290,826
493 : 3,250,040
3,254,453
3,284,957
495 : 3,266,190
3,267,614
3,286,389
3,286,425
3,287,856
3,292,330
3,295,260
496 : 3,276,167
3,276,178
3,295,260
498 : 3,286,425
501 : 3,286,424
504 : 3,271,063
3,286,405
3,295,277
506 : 3,287,855
507 : 3,256,638

Class 50

4 : 3,239,172
10 : 3,230,859
16 : 3,236,170

358 : 3,231,644
3,232,806
3,233,857
74 : 3,242,239
83 : 3,230,674
84 : 3,230,674
89 : 3,230,674
93 : 3,230,674
97 : 3,230,674
100 : 3,231,902
3,238,289
101 : 3,237,714
103 : 3,230,817
124 : 3,228,387
128 : 3,228,309
3,232,638
3,233,027
137 : 3,239,913
138 : 3,239,081
140 : 3,230,674
148 : 3,239,188
153 : 3,231,902
154 : 3,233,251
168 : 3,226,935
178 : 3,230,674
185 : 3,226,935
203 : 3,232,395
242 : 3,231,453
259 : 3,231,453
262 : 3,228,084
263 : 3,229,004
3,238,278
268 : 3,231,451
3,231,644
3,232,806
3,235,441
3,239,479
270 : 3,229,004
316 : 3,234,616
319 : 3,230,817
337 : 3,274,727
347 : 3,231,451
356 : 3,236,545
384 : 3,226,935
396 : 3,230,914
3,237,983
401 : 3,240,173
441 : 3,239,913
446 : 3,239,913
456 : 3,230,914
458 : 3,228,084
459 : 3,237,714
461 : 3,230,914
481 : 3,233,857
533 : 3,229,004
3,238,278
534 : 3,233,565
538 : 3,231,646
3,236,397
3,238,589

Class 51

5 : 3,242,566
3,269,381
3,283,665
3,285,843
6 : 3,277,610
7 : 3,248,826
3,250,521
3,290,836
8 : 3,242,515
3,266,571
9 : 3,240,601
11 : 3,257,759
12 : 3,237,351
3,267,615
3,270,463
13 : 3,242,618
14 : 3,227,019
3,241,265
3,283,450
3,266,739
15 : 3,262,234
18 : 3,230,669
26 : 3,281,167
3,286,408
32 : 3,239,965
3,267,705
34 : 3,238,550
3,247,622
3,286,409
3,287,860
3,289,356
35 : 3,245,176
3,253,368
3,269,064
40 : 3,286,292
47 : 3,245,176
3,253,368
48 : 3,264,787
49 : 3,263,374
3,281,995
3,290,833
52 : 3,266,374
58 : 3,229,346

59 : 3,252,335
3,252,336
3,257,721
65 : 3,239,914
72 : 3,239,965
73 : 3,256,846
3,267,617
3,288,128
76 : 3,271,909
3,295,261
80 : 3,237,348
3,238,675
3,238,676
88 : 3,228,148
3,229,422
89 : 3,274,630
90 : 3,243,923
3,261,424
92 : 3,228,256
93 : 3,231,902
95 : 3,237,347
3,279,126
3,279,128
97 : 3,283,445
98 : 3,238,676
99 : 3,289,441
100 : 3,289,539
101 : 3,274,736
102 : 3,258,878
103 : 3,258,804
3,264,787
3,269,063
3,280,512
3,284,959
108 : 3,269,064
110 : 3,243,922
3,290,832
112 : 3,228,145
3,247,626
114 : 3,250,046
3,260,019
118 : 3,260,019
120 : 3,284,961
122 : 3,228,256
124 : 3,258,880
125 : 3,270,465
3,287,798
127 : 3,274,736
130 : 3,250,042
131 : 3,258,879
3,279,126
3,284,960
3,289,663
3,292,312
134.5 : 3,232,010
.5 : 3,233,371
.5 : 3,270,417
.5 : 3,290,832
.5 : 3,295,261
.5 : 3,295,262
135 : 3,229,424
3,230,668
137 : 3,237,230
138 : 3,271,909
140 : 3,238,676
3,269,065
141 : 3,266,197
3,273,288
142 : 3,270,466
150 : 3,273,190
162 : 3,242,617
163 : 3,246,429
3,266,739
3,268,177
3,277,610
3,290,836
3,295,768
164 : 3,286,718
3,291,304
165 : 3,232,008
3,232,010
3,236,124
3,247,619
3,247,620
3,269,063
3,269,064
3,295,413
166 : 3,247,621
3,248,780
3,289,354
3,295,261
168 : 3,239,965
3,247,621
3,256,645
169 : 3,241,395

169 : 3,264,690
3,273,293
170 : 3,229,428
3,230,668
3,251,086
3,255,766
3,256,648
3,283,352
3,287,859
3,295,261
.3 : 3,274,895
171 : 3,238,552
175 : 3,231,917
3,275,048
3,275,049
177 : 3,264,674
3,286,290
194 : 3,230,883
204 : 3,288,580
205 : RE.26,039
206 : 3,231,205
3,239,965
3,247,837
3,254,641
3,255,289
3,259,959
3,263,377
3,281,996
3,282,263
3,283,446
3,288,580
.4 : 3,291,583
209 : 3,227,507
3,233,369
3,237,234
3,243,924
3,255,555
3,256,646
3,259,959
3,271,911
3,290,834
210 : 3,238,673
211 : 3,286,198
215 : 3,239,079
3,239,966
3,247,980
3,250,042
3,264,787
3,269,064
3,284,959
3,292,310
.3 : 3,229,585
216 : 3,239,965
3,251,592
217 : 3,234,693
3,263,371
3,272,732
3,274,737
3,286,407
3,289,355
218 : 3,254,456
219 : 3,239,966
3,266,194
221 : 3,289,358
222 : 3,230,670
225 : 3,251,157
3,258,880
227 : 3,289,356
229 : 3,279,127
233 : 3,281,994
235 : 3,236,488
3,245,130
3,253,665
3,274,737
236 : 3,269,063
3,269,064
3,269,564
3,284,959
3,290,830
237 : 3,246,549
3,247,619
3,263,375
3,284,960
3,290,831
238 : 3,233,368
3,247,618
3,274,867
3,290,833
240 : 3,228,150
3,228,266
3,237,312
3,243,921
241 : 3,228,146
3,258,838
3,258,882
247 : 3,286,569
251 : 3,228,149
262 : 3,241,268
263 : 3,270,465
3,289,354
267 : 3,229,427
3,233,369
3,240,243
3,243,924
3,256,604

267 : 3,261,510
3,282,263
3,287,996
269 : 3,247,623
273 : 3,254,629
3,266,196
3,274,892
277 : 3,228,150
3,237,349
3,262,233
3,275,048
281 : 3,230,614
3,264,788
3,266,196
3,271,910
284 : 3,226,887
3,227,507
3,242,617
3,254,949
3,258,879
3,262,233
3,273,291
3,283,446
3,290,828
285 : 3,238,675
287 : 3,228,148
3,229,422
3,252,358
3,286,408
288 : 3,226,743
289 : 3,227,783
3,256,643
3,256,846
3,264,749
3,283,445
3,286,410
3,289,354
290 : 3,262,229
3,287,860
293 : 3,230,672
3,241,267
3,246,430
3,246,969
3,252,775
3,261,675
3,276,170
3,278,967
3,293,012
3,295,940
296 : 3,256,075
3,287,861
3,287,862
3,254,863
3,257,481
3,266,458
3,277,219
3,278,938
3,280,473
3,280,516
3,282,533
3,292,338
298 : 3,227,604
3,249,588
3,251,800
3,252,775
3,256,075
3,256,076
3,256,077
3,261,811
3,263,377
3,273,984
3,284,178
3,288,579
.1 : 3,296,022
299 : 3,230,672
3,232,729
3,246,970
3,266,878
3,273,984
3,276,852
3,295,938
300 : 3,246,970
301 : 3,232,729
304 : 3,248,235
306 : 3,265,475
3,282,665
307 : 3,239,321
3,240,580
3,246,970
3,260,571
3,261,701
3,264,300
3,269,813
3,276,852

308 : 3,265,475
3,276,852
309 : 3,227,521
3,233,988
3,248,189
3,249,410
3,254,949
3,262,233
3,262,766
3,265,475
3,269,815
3,276,852
3,293,012
3,295,941
310 : 3,247,572
312 : 3,295,263
313 : 3,256,643
3,290,836
317 : 3,272,650
3,285,767
318 : 3,227,019
319 : 3,267,621
3,279,125
3,284,958
3,286,406
323 : 3,265,504
326 : 3,269,065
327 : 3,255,778
328 : 3,266,197
3,269,065
3,270,466
336 : 3,237,348
356 : 3,229,427
357 : 3,270,466
358 : 3,243,833
3,261,049
368 : 3,276,364
3,276,365
373 : 3,253,323
3,295,188
380 : 3,281,912
390 : 3,229,428
392 : 3,279,130
400 : 3,260,582
3,261,675
401 : 3,260,582
402 : 3,261,675
403 : 3,280,516
404 : 3,246,356
3,280,517

Class 52

.5 : 3,242,139
.5 : 3,296,221
1 : 3,246,432
3,276,024
3,276,942
2 : 3,230,685
3,234,741
3,240,217
3,250,024
3,254,863
3,257,481
3,266,458
3,277,219
3,278,938
3,280,473
3,282,533
3,292,338
6 : 3,233,373
7 : 3,263,380
8 : 3,263,380
9 : 3,279,131
10 : 3,241,270
3,282,363
11 : 3,236,011
3,241,273
3,252,288
3,253,375
3,253,415
3,256,652
3,266,201
3,279,795
3,295,803
13 : 3,247,636
3,277,616
3,289,360
15 : 3,246,435
16 : 3,263,389
3,277,616
18 : 3,280,528
20 : 3,230,844
3,263,577
3,272,672
3,351,159
3,289,429
24 : 3,280,524
27 : 3,227,061
3,247,332
3,284,590
28 : 3,226,907
3,227,061

28 : 3,229,429
3,278,742
32 : 3,293,632
35 : 3,230,549
36 : 3,247,332
3,257,760
3,290,846
39 : 3,289,379
40 : 3,233,374
3,266,211
57 : 3,291,298
58 : 3,243,926
3,247,632
3,247,636
3,289,360
60 : RE.26,056
3,241,272
3,246,433
3,282,000
61 : 3,241,274
62 : 3,248,836
63 : 3,255,769
3,288,158
3,295,264
64 : 3,261,133
3,272,269
3,292,971
65 : 3,258,884
3,258,889
3,288,158
66 : 3,229,649
3,252,469
3,258,886
3,266,328
3,273,574
3,279,142
3,283,923
3,288,158
3,288,520
3,288,521
3,290,087
3,291,089
67 : 3,283,452
3,288,518
69 : 3,226,890
3,258,884
3,281,998
3,284,966
70 : 3,226,890
3,257,760
3,280,796
3,283,452
71 : 3,234,696
3,253,293
3,257,760
3,281,998
3,283,452
3,286,414
3,288,516
3,290,085
72 : 3,251,158
3,253,857
73 : 3,226,889
3,242,619
3,246,431
3,255,990
3,261,134
3,266,201
3,287,865
3,290,837
3,292,313
3,292,314
3,295,266
74 : 3,226,898
3,279,142
3,288,516
75 : 3,286,404
3,289,351
76 : 3,247,628
79 : 3,229,431
3,230,549
3,274,745
3,279,132
3,284,966
3,287,865
3,289,382
3,292,327
80 : 3,245,178
3,252,469
3,260,020
3,263,322
3,286,415
3,289,363
3,241,278
3,247,672
3,255,556
3,257,930
3,284,969
82 : 3,226,896
3,230,911
3,240,343
3,255,560
3,274,742
3,277,616

Class 52 —Con.

82 : 3,280,524
83 : Re.26,121
3,288,158
86 : 3,226,907
3,229,649
3,240,217
3,261,134
3,274,739
3,283,514
88 : 3,226,892
89 : 3,252,436
3,274,742
90 : Re.26,121
3,230,673
3,242,620
3,251,169
3,261,134
3,262,236
3,263,389
3,274,739
3,277,616
3,281,998
3,283,693
3,286,404
3,288,516
3,289,370
91 : 3,242,622
3,274,742
3,289,360
92 : 3,236,014
3,261,132
93 : 3,241,273
3,255,560
3,279,132
3,285,636
94 : 3,236,014
3,241,273
3,256,652
3,262,236
3,284,967
3,286,415
3,288,516
95 : 3,226,891
3,263,389
3,271,913
3,295,803
96 : 3,236,011
3,261,132
97 : Re.26,056
3,237,352
3,241,272
3,242,622
3,246,433
3,248,827
3,266,207
3,277,618
98 : Re.26,121
3,226,781
3,233,383
3,239,989
99 : 3,238,682
3,271,232
3,288,428
3,289,379
100 : 3,263,378
101 : 3,285,810
102 : 3,241,274
105 : 3,260,022
107 : 3,232,014
3,262,487
108 : 3,242,576
3,252,173
3,258,800
3,295,699
110 : 3,234,698
3,273,813
111 : 3,263,380
3,286,682
115 : 3,264,950
3,284,964
116 : 3,228,151
3,263,383
3,271,915
3,283,454
117 : 3,263,232
118 : 3,263,382
119 : 3,233,375
120 : 3,262,237
3,280,519
3,280,520
121 : 3,292,322
122 : 3,226,890
3,229,649
3,237,356
3,245,188
3,262,238
3,266,204
3,266,211
3,282,006
3,283,454
3,288,518
3,289,382
122 : 3,289,666
3,292,313
123 : 3,248,831
3,250,401
3,263,382
125 : 3,236,019
3,248,836
3,263,378
3,276,176
126 : 3,251,163
3,252,688
3,260,028
127 : 3,226,781
3,226,893
3,226,899
3,229,334
3,230,679
3,230,683
3,232,022
3,234,699
3,239,990
3,247,672
3,250,401
3,256,649
3,256,653
3,256,661
3,257,760
3,258,282
3,259,086
3,263,382
3,263,384
3,270,470
3,280,521
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3,281,999
3,289,362
3,289,364
3,292,313
3,292,318
137 : 3,295,271
142 : 3,273,294
143 : 3,226,890
3,230,907
3,234,696
3,237,354
3,245,180
3,272,269
3,283,452
3,284,970
3,289,364
3,295,279
144 : 3,229,429
3,246,438
3,275,101
146 : Re.26,121
3,284,972
147 : 3,295,875
148 : 3,242,623
3,245,649
3,248,831
3,280,521
149 : 3,232,012
3,245,649
152 : 3,245,649
155 : 3,237,904
3,256,655
3,270,469
3,279,133
3,279,301
157 : 3,243,927
3,290,983
3,295,274
166 : 3,250,075
3,256,694
167 : 3,233,376
168 : Re.26,121
169 : Re.26,121
3,227,061
3,232,022
3,237,357
3,240,343
3,242,620
3,246,438
3,251,159
3,254,458
3,256,655
3,258,885
3,259,105
3,263,378
3,263,577
3,269,125
3,271,913
3,274,621
169 : 3,274,785
3,283,460
3,283,518
3,292,377
3,295,271
170 : 3,256,694
3,295,275
172 : 3,226,903
3,249,751
3,261,139
173 : Re.26,121
3,229,429
3,232,015
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Class 52 —Con.

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Class 53
3 : 3,283,893
7 : 3,256,672
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13 : 3,256,123
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Class 55 – Con.

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316 : 3,252,270
3,261,147
3,274,755
318 : 3,237,385
3,252,270
3,261,147
319 : 3,247,650
3,251,174
3,280,979
320 : 3,241,537
3,257,783
3,267,511
3,272,651
321 : 3,256,679
324 : 3,246,455
3,280,979
325 : 3,246,452
327 : 3,258,895
3,280,979
334 : 3,236,033
335 : 3,295,298
337 : 3,258,895
338 : 3,226,916
3,235,090
3,239,999
3,267,649
3,273,317
341 : 3,236,033
3,241,297
3,243,940
3,267,649
3,273,317
3,289,393
3,295,298
342 : 3,247,650
343 : 3,236,033
345 : 3,243,941
3,254,476
3,257,798
346 : 3,237,777
3,273,317
347 : 3,279,156
348 : 3,236,031
3,253,999
349 : 3,236,031
3,252,886
3,279,156
350 : 3,252,270
3,263,402
3,273,317
351 : 3,252,691
3,280,537
352 : 3,260,037
354 : 3,259,329
3,260,037
355 : 3,257,782
358 : 3,251,175
3,274,756
3,286,446
361 : 3,240,567
366 : 3,271,936
3,295,298
367 : 3,237,846
3,245,605
3,260,038
3,274,758
368 : 3,241,297
372 : 3,236,033
3,279,157
373 : 3,274,758
3,286,446
374 : 3,273,321
376 : 3,261,148
3,283,481
377 : 3,260,038
378 : 3,238,706
3,260,038
3,276,190
378 : 3,277,635
3,289,394
3,289,395
379 : 3,243,940
3,277,634
3,291,310
3,295,298
3,295,687
380 : 3,236,033
3,252,274
381 : 3,273,322
3,276,190
3,276,192
3,289,394
3,289,395
382 : 3,252,274
3,273,321
385 : 3,226,917
3,234,716
3,249,172
3,257,779
3,274,755
3,274,757
3,274,758
3,284,148
3,286,459
3,292,349
386 : 3,230,167
3,274,756
3,276,265
3,295,296
387 : 3,240,567
3,246,758
3,261,147
3,268,604
3,268,605
3,271,089
3,274,755
388 : 3,246,453
3,246,454
3,248,861
389 : 3,257,812
3,264,803
3,268,604
3,268,605
3,283,479
3,285,701
390 : 3,252,273
3,264,801
3,280,537
392 : 3,238,705
3,283,480
394 : 3,251,176
3,279,155
395 : 3,232,032
396 : 3,232,032
3,258,895
397 : 3,237,385
398 : 3,274,757
399 : 3,238,705
3,248,860
400 : 3,234,715
3,241,676
3,288,357
3,289,397
3,292,347
401 : 3,234,716
3,257,782
3,260,036
3,276,189
403 : 3,251,542
3,282,032
404 : 3,257,780
3,282,032
405 : 3,274,757
406 : 3,234,993
3,256,986
3,289,925
407 : 3,234,716
3,274,756
3,276,679
408 : 3,234,716
3,276,679
409 : 3,257,782
410 : 3,233,392
3,279,157
413 : 3,246,453
415 : 3,232,430
416 : 3,232,032
3,249,147
3,258,895
417 : 3,234,716
3,241,537
3,246,958
3,249,424
3,257,151
3,261,146
3,271,936
3,273,323
3,273,325
3,290,865
418 : 3,246,453
3,271,938
3,274,755
418 : 3,284,064
3,286,445
419 : 3,271,113
3,273,325
420 : 3,257,995
3,289,841
421 : 3,249,438
3,276,188
422 : 3,279,157
3,280,537
3,289,396
423 : 3,279,155
424 : 3,271,934
425 : 3,249,424
426 : 3,247,651
3,254,475
3,257,783
3,260,039
3,269,097
428 : 3,235,090
3,235,343
3,236,031
3,237,777
3,240,002
3,268,080
429 : 3,232,032
3,257,995
3,269,097
3,271,936
3,277,636
430 : 3,240,003
3,254,475
3,264,800
3,273,324
3,279,155
431 : 3,264,806
3,286,463
432 : 3,242,941
3,243,043
3,257,783
3,261,146
3,266,226
3,273,943
3,286,444
433 : 3,260,039
434 : 3,268,085
3,288,284
435 : 3,237,777
3,273,320
436 : 3,236,033
438 : 3,258,895
3,286,445
440 : 3,240,001
3,254,475
3,276,193
3,285,156
3,290,867
441 : 3,247,651
3,255,159
442 : 3,246,452
3,247,650
3,279,533
443 : 3,240,335
3,254,475
445 : 3,241,297
446 : 3,240,345
3,248,861
3,250,263
3,266,224
3,291,165
3,292,913
447 : 3,264,805
448 : 3,283,480
449 : 3,235,343
3,257,783
3,269,097
451 : 3,233,882
452 : 3,232,032
3,251,176
3,258,895
3,274,757
454 : 3,264,806
455 : 3,251,176
3,289,608
457 : 3,232,032
3,235,343
3,248,860
3,251,176
3,258,895
458 : 3,276,592
3,290,865
459 : 3,232,430
3,236,195
3,238,705
3,243,043
3,246,451
3,246,454
3,249,147
3,254,478
3,266,226
3,273,320
3,274,757
3,276,592
3,283,480
459 : 3,288,300
3,290,865
461 : 3,271,934
462 : 3,254,475
3,267,650
464 : 3,291,205
465 : 3,241,296
3,271,935
3,284,991
3,290,868
3,291,205
3,292,913
466 : 3,237,386
3,240,002
3,242,941
3,251,176
3,254,475
3,266,227
3,268,080
3,271,934
3,279,155
3,289,396
467 : 3,233,391
3,238,706
3,254,478
3,255,480
3,260,039
3,263,403
3,286,445
468 : 3,257,777
470 : 3,232,030
3,233,392
3,290,866
3,295,298
471 : 3,271,936
472 : 3,234,716
3,240,000
3,251,177
3,254,480
3,256,680
3,267,648
3,273,323
3,273,943
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3,286,446
3,290,865
3,290,866
3,290,868
3,292,347
473 : 3,261,147
3,279,157
474 : 3,252,271
475 : 3,266,628
477 : 3,290,868
478 : 3,233,391
3,251,177
480 : 3,286,445
481 : 3,249,037
3,279,157
3,280,537
3,290,868
482 : 3,246,455
3,250,059
3,252,402
3,261,147
3,286,445
483 : 3,246,456
3,247,652
3,277,638
484 : 3,228,174
3,246,456
3,247,652
3,250,063
3,261,148
3,271,937
3,280,540
3,280,541
485 : 3,243,942
3,251,177
3,260,370
3,266,227
3,266,228
3,279,157
3,280,985
486 : 3,231,092
3,248,859
3,252,270
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3,260,370
3,261,473
3,289,396
487 : 3,250,063
3,252,274
3,258,900
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3,266,228
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3,273,321
3,280,542
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489 : 3,280,542
490 : 3,229,818
491 : 3,245,668
3,247,813
491 : 3,271,932
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492 : 3,231,094
3,237,775
3,243,942
493 : 3,273,321
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3,280,541
3,280,984
495 : 3,277,638
496 : 3,274,759
497 : 3,280,985
498 : 3,231,092
3,245,206
3,257,783
3,279,616
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3,290,870
499 : 3,273,321
500 : 3,242,649
3,243,943
3,246,456
3,247,652
3,251,177
3,258,900
3,260,037
3,285,586
501 : 3,234,717
3,242,655
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3,243,943
3,259,329
3,266,223
3,273,321
3,274,759
3,280,538
502 : 3,226,917
3,234,717
3,235,633
3,242,656
3,243,042
3,246,456
3,247,652
3,249,172
3,252,274
3,257,784
3,258,900
3,260,037
3,261,148
3,271,938
3,273,323
3,273,943
3,274,759
3,279,616
3,280,538
3,280,540
3,280,541
3,281,513
3,282,034
3,287,886
3,289,396
3,290,870
503 : 3,252,580
3,272,192
3,273,943
3,286,459
3,287,886
504 : 3,228,175
3,249,172
3,250,063
3,273,321
3,273,943
3,280,540
3,280,541
3,286,445
505 : 3,228,175
3,254,477
3,280,540
3,280,541
506 : 3,279,157
507 : 3,249,172
3,250,063
3,254,480
3,271,938
509 : 3,243,943
3,252,580
3,258,900
3,260,037
3,273,327
510 : 3,226,917
3,228,174
3,249,172
3,261,146
3,263,402
3,266,229
3,269,097
3,271,938
3,290,869
3,290,870
511 : 3,231,093
3,234,717
3,273,327
3,286,459

511 : 3,289,396
512 : 3,249,424
3,271,937
514 : 3,237,812
3,246,457
516 : 3,246,455
3,252,402
517 : 3,271,938
518 : 3,280,984
519 : 3,280,984
520 : 3,231,092
521 : 3,228,175
3,231,094
3,234,717
3,237,382
3,240,003
3,246,457
3,251,177
3,261,147
3,266,223
3,269,097
3,273,324
3,286,445
522 : 3,237,387
3,276,186
523 : 3,237,181
3,248,813
3,252,270
524 : 3,232,033
3,239,430
3,262,810
3,273,321
3,285,586
3,289,399
525 : 3,237,387
3,254,477
3,280,542
3,286,445
526 : 3,237,812
3,268,296
3,275,522
527 : 3,229,818
3,251,475
528 : 3,237,387
3,240,002
3,268,296
3,285,586
529 : 3,246,455

Class 56

1 : 3,227,104
3,230,903
3,230,904
3,232,245
3,234,894
3,236,195
3,238,950
3,240,169
3,241,300
3,242,658
3,244,088
3,253,557
3,267,839
3,279,396
3,282,404
3,282,408
3,284,875
3,291,038
2 : 3,258,901
6 : 3,256,942
3,258,901
9 : 3,248,812
15 : 3,251,631
19 : 3,260,041
20 : 3,226,919
23 : 3,233,395
3,247,653
3,252,277
3,266,230
3,286,447
24 : 3,229,451
3,233,394
3,242,658
3,257,785
3,295,302
25 : 3,237,388
3,257,789
3,258,901
3,262,254
.4 : 3,226,920
.4 : 3,233,471
.4 : 3,236,034
.4 : 3,263,766
.4 : 3,286,376
26 : 3,282,364
27 : 3,229,320
3,243,904
.5 : 3,229,831
.5 : 3,249,366
29 : 3,252,276
105 : 3,241,299
119 : Re.25,991
3,241,299
119 : 3,271,940
126 : 3,257,786
3,260,041
128 : 3,228,176
130 : 3,245,211
158 : 3,233,395
3,260,041
192 : 3,230,694
3,241,301
3,266,230
202 : 3,229,320
208 : 3,230,694
3,236,456
3,258,901
3,286,447
209 : 3,236,035
210 : 3,269,685
219 : 3,232,035
220 : 3,233,395
221 : 3,258,901
226 : 3,227,223
227 : 3,282,408
228 : 3,240,005
3,245,695
229 : 3,252,520
3,254,481
230 : 3,237,388
234 : 3,285,348
241 : 3,279,063
244 : 3,242,659
251 : 3,231,024
255 : 3,246,909
3,273,239
281 : 3,234,718
290 : 3,286,447
294 : 3,271,939
295 : 3,252,304
3,254,481
323 : 3,288,523
327 : 3,236,038
3,252,464
3,277,605
3,286,774
328 : 3,227,298
3,240,201
3,286,804
3,292,806
330 : 3,269,099
341 : Re.26,077
346 : 3,261,482
351 : 3,236,038
364 : 3,233,394
3,252,277
3,252,520
366 : 3,284,831
376 : 3,277,605
377 : 3,243,945
400 : 3,295,302
.1 : 3,233,325
.19: 3,234,720
473.5 : 3,246,313
.5 : 3,265,226
474 : 3,243,028
500 : 3,240,247
503 : 3,246,458

Class 57

1 : 3,253,398
3 : 3,233,397
3,242,661
3,273,814
9 : 3,234,721
3,236,039
10 : 3,242,661
3,259,370
3,284,995
13 : 3,280,544
3,290,984
15 : 3,255,976
13 : 3,273,814
3,291,403
22 : 3,273,330
24 : 3,244,577
31 : 3,230,584
34 : 3,233,399
3,237,269
3,237,391
3,237,392
3,238,590
3,238,592
3,246,855
3,247,569
3,253,313
3,255,508
3,259,952
3,261,071
3,262,177
3,262,178
3,262,179
3,263,298
3,263,409
3,270,492
3,279,024
34 : 3,279,164
3,282,768
3,283,493
3,284,026
3,285,114
3,286,321
3,286,896
3,287,888
.5 : 3,241,234
.5 : 3,257,083
35 : 3,247,663
3,247,664
3,295,305
36 : 3,247,551
3,255,579
3,277,641
3,286,449
51 : 3,254,682
52 : 3,263,410
3,283,489
53 : 3,286,857
54 : 3,231,209
3,258,904
55 : 3,241,577
.5 : 3,247,662
.5 : 3,287,888
56 : 3,257,790
3,263,407
3,266,231
58.36: 3,286,450
.36: 3,290,873
.63: 3,271,941
.7 : 3,295,304
.72: 3,264,813
.76: 3,279,162
.83: 3,274,763
.83: 3,286,450
.83: 3,290,873
.83: 3,295,304
.86: 3,264,812
.86: 3,277,640
.89: 3,254,482
.95: 3,295,307
59 : 3,251,178
3,258,905
62 : 3,243,948
65 : 3,234,721
3,292,356
73 : 3,248,070
75 : 3,253,398
3,258,904
76 : 3,282,498
77.3 : 3,270,491
.3 : 3,276,195
.3 : 3,276,196
.3 : 3,279,164
.3 : 3,292,357
.4 : 3,228,181
.4 : 3,251,179
.4 : 3,276,195
.4 : 3,276,196
.45: 3,233,398
.45: 3,241,304
78 : 3,247,662
3,279,667
80 : 3,247,662
81 : 3,238,711
3,242,662
3,247,662
3,251,562
3,253,269
3,255,385
3,262,160
3,262,180
3,271,823
3,276,227
3,287,887
82 : 3,292,358
86 : 3,262,180
89 : 3,264,812
90 : 3,238,591
3,253,313
3,279,667
91 : 3,253,396
3,262,177
93 : 3,265,476
3,277,641
98 : 3,287,891
99 : 3,256,683
3,285,378
100 : 3,241,304
103 : 3,264,814
3,267,657
105 : 3,256,684
109 : 3,269,104
110 : 3,231,209
113 : 3,266,082
119 : 3,226,924
3,253,398
130 : 3,283,491
138 : 3,285,528
139 : 3,275,041
3,288,175
3,291,897
140 : 3,232,322
3,240,764
3,247,569
3,249,129
3,249,591
3,249,669
3,250,602
3,251,097
3,252,484
3,253,396
3,263,298
3,264,389
3,266,087
3,273,771
3,274,765
3,275,455
3,276,931
3,279,164
3,279,974
3,283,493
3,284,996
3,287,324
3,287,893
3,288,175
3,289,401
3,293,110
3,296,216
141 : 3,251,384
142 : 3,283,492
144 : 3,234,723
3,243,338
3,273,978
3,287,892
145 : 3,240,082
3,274,846
3,291,898
146 : 3,231,665
147 : 3,291,897
148 : 3,255,300
149 : 3,243,949
3,273,978
152 : 3,234,725
3,243,950
3,257,793
3,280,546
153 : 3,228,481
3,265,554
3,273,978
3,277,642
3,287,894
154 : 3,231,459
3,259,939
3,263,024
155 : 3,231,060
156 : 3,246,855
3,257,792
3,258,904
3,283,489
3,295,307
157 : 3,231,060
3,231,167
3,234,724
3,234,725
3,237,391
3,238,590
3,241,305
3,244,577
3,247,569
3,248,771
3,250,602
3,251,181
3,253,313
3,253,396
3,255,580
3,258,825
3,261,116
3,261,156
3,262,179
3,262,257
3,263,298
3,269,105
3,273,328
3,273,771
3,273,987
3,279,163
3,286,321
3,289,400
3,292,354
159 : 3,286,452
3,295,309
160 : 3,237,391
3,251,178
3,280,546
161 : 3,231,665
3,234,722
3,267,658
3,295,311
162 : 3,279,161
163 : 3,234,724
3,255,579
3,264,816
3,286,449
164 : 3,243,949
3,247,660
164 : 3,252,278
3,264,389
3,264,815
3,282,040
3,285,690
3,286,322
3,295,306
165 : 3,247,659
166 : 3,283,494
167 : 3,230,584
3,273,329
3,282,038

Class 58

2 : 3,279,166
3 : 3,281,969
18 : 3,270,493
19 : 3,233,401
3,257,618
21.1 : 3,249,931
.13: 3,230,697
.13: 3,285,152
22.5 : 3,264,817
.9 : 3,232,274
23 : 3,230,383
3,238,431
3,241,018
3,258,906
3,275,858
3,277,394
3,284,715
3,290,507
3,292,064
3,293,568
28 : 3,232,039
3,237,461
3,238,431
3,248,623
33 : 3,257,618
34 : 3,277,645
3,282,043
38 : 3,248,867
3,262,110
3,270,493
39.5 : 3,284,790
41 : 3,232,039
3,258,086
3,261,935
42.5 : 3,277,646
44 : 3,281,969
50 : 3,270,201
3,273,139
3,278,740
53 : 3,262,258
3,284,272
57 : 3,261,158
73 : 3,269,107
80 : 3,286,455
85.5 : 3,248,868
.5 : 3,255,581
.5 : 3,277,645
.5 : 3,277,646
.5 : 3,279,165
88 : 3,241,308
90 : 3,269,107
3,271,945
107 : 3,287,799
109 : 3,228,182
3,229,455
3,285,178
3,286,633
122 : 3,248,783
125 : 3,283,496
3,286,456
126 : 3,258,907
3,262,258
127 : 3,234,641
3,269,108
3,283,496
129 : 3,242,734
130 : 3,263,551
140 : 3,287,799
142 : 3,254,175
144 : 3,289,886
145 : 3,263,787
152 : 3,253,466
3,271,945

Class 59

7 : 3,230,751
3,234,634
77 : 3,286,458
78 : 3,258,956
3,267,203
.1 : 3,290,429
79 : 3,233,928
85 : 3,278,000
3,292,401
86 : 3,261,636
90 : 3,233,928
3,264,821
3,267,203
91 : 3,280,548
92 : 3,282,318
93 : 3,261,636
3,281,906
3,292,401
95 : 3,230,004
3,270,494

Class 60

1 : 3,252,501
3,253,994
2 : 3,242,053
6 : 3,238,714
3,259,195
3,264,671
3,285,062
3,292,723
7 : 3,258,111
8 : 3,266,233
9 : 3,258,979
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3,247,799
3,247,919
3,249,053
3,253,806
3,253,807
3,255,588
3,258,914
3,262,740
3,264,784
3,277,917
3,286,599
3,286,600
3,288,033
3,291,321
3,295,451
102 : 3,242,347
3,244,598
3,280,559
3,295,320
104 : 3,226,932
3,231,475
3,242,053
3,254,813
3,271,961
3,286,466
105 : 3,226,932
3,231,475
3,232,533
3,233,412
3,241,322
3,242,678
3,244,898

105 : 3,255,084
3,264,826
3,277,651
3,280,559
3,292,372
106 : 3,295,320
107 : 3,231,475
3,238,729
3,240,675
3,247,671
3,253,994
3,271,960
3,271,961
3,289,408
3,292,372
108 : 3,231,685
3,260,050
3,296,450
204 : 3,279,177
220 : 3,295,323
222 : 3,283,737
224 : 3,279,184
225 : 3,279,189
226 : 3,279,182
3,282,053
228 : 3,279,183
229 : 3,279,182
3,280,560
3,290,885
230 : 3,279,181
3,280,560
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3,280,562
3,283,737
3,290,886
232 : 3,280,566
3,283,737
3,290,885
3,290,887
3,292,375
236 : 3,289,411
239 : 3,289,411
241 : 3,289,411
243 : 3,295,315
247 : 3,279,179
251 : 3,279,186
3,283,510
253 : 3,279,186
256 : 3,279,187
3,279,188
3,283,510
3,286,471
258 : 3,279,187
3,286,474
259 : 3,283,508
3,286,473
260 : 3,286,469
3,295,323
261 : 3,279,184
3,279,186
3,279,187
262 : 3,280,564
3,295,325
263 : 3,280,566
3,280,568
264 : 3,279,187
3,279,193
3,286,470
3,289,409
3,289,410
265 : 3,285,013
3,292,376
266 : 3,283,509
3,286,469
269 : 3,279,187
3,279,192
3,282,053
270 : 3,279,187
3,280,564
3,282,052
271 : 3,279,192
3,285,013
3,286,469
3,286,473
396.5 : 3,267,676
525 : 3,289,688

Class 61

.5 : 3,236,564
.5 : 3,241,274
.5 : 3,249,251
.5 : 3,251,191
.5 : 3,267,680
.5 : 3,267,685
.5 : 3,274,785
.5 : 3,276,213
.5 : 3,289,425
1 : 3,227,429
3,234,123
3,235,877
3,287,921
5 : 3,234,741
3,248,886
6 : 3,234,123
3,235,234
9 : 3,287,921
11 : 3,282,055
12 : 3,271,913
3,273,849
13 : 3,276,208
20 : 3,271,959
3,289,415
21 : 3,287,921
25 : 3,285,330
3,289,417
27 : 3,246,474
28 : 3,252,576
3,269,124
3,289,417
29 : 3,248,884
3,287,918
30 : 3,248,884
35 : 3,234,741
36 : 3,227,572
3,229,468
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3,251,194
3,254,064
3,268,002
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3,274,782
3,283,511
3,287,920
3,288,040
3,295,328
37 : 3,234,741
3,252,287
3,282,054
38 : 3,234,741
39 : 3,226,935
3,229,468
3,236,054
3,247,673
3,280,572
3,282,054
40 : 3,262,508
41 : 3,230,685
3,295,327
42 : 3,234,743
3,250,078
3,282,056
45 : 3,226,933
3,243,162
3,244,055
3,250,075
3,250,170
3,264,945
3,269,686
3,272,084
3,276,819
3,279,301
3,280,572
3,283,513
.2 : 3,241,654
.2 : 3,246,576
.2 : 3,246,730
46 : 3,234,455
3,234,741
3,249,664
3,295,327
.5 : 3,244,242
.5 : 3,245,658
.5 : 3,247,672
.5 : 3,256,537
.5 : 3,259,368
.5 : 3,262,411
.5 : 3,263,641
.5 : 3,273,526
.5 : 3,278,158
.5 : 3,280,571
.5 : 3,290,007
47 : 3,243,963
3,269,125
3,282,054
48 : 3,229,833
3,237,587
3,262,139
3,275,167
3,279,141
3,283,515
3,287,921
50 : 3,241,274
52 : 3,249,664
53 : 3,245,222
.5 : 3,236,055
.5 : 3,269,126
.52: 3,255,833
.54: 3,262,412
.56: 3,254,492
.56: 3,270,511
.58: 3,245,222
.58: 3,270,511
.6 : 3,256,694
.6 : 3,269,126
.6 : 3,270,469
.62: 3,254,492
.62: 3,256,694
53.64: 3,245,222
.64: 3,270,511
.64: 3,274,782
.66: 3,254,492
.68: 3,255,591
.68: 3,276,173
.68: 3,279,136
.7 : 3,261,412
.7 : 3,263,431
.70: 3,276,173
.72: 3,233,315
.74: Re.26,073
.74: 3,229,468
.74: 3,243,927
.74: 3,245,222
.74: 3,289,420
.74: 3,292,694
54 : 3,248,886
3,271,963
3,295,332
56 : 3,241,325
3,243,927
3,256,694
3,269,126
3,295,332
59 : 3,226,935
3,228,495
3,229,468
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63 : 3,230,721
3,243,962
3,245,223
3,247,771
3,247,922
3,254,492
3,255,592
3,270,469
3,279,195
3,280,572
65 : 3,252,589
3,260,377
3,265,024
3,276,211
3,287,921
67 : 3,227,292
3,262,139
3,285,515
3,287,916
69 : 3,229,656
3,247,672
70 : 3,228,080
72.1 : 3,235,982
.1 : 3,256,695
.1 : 3,290,804
.2 : 3,276,208
.3 : 3,230,721
.3 : 3,232,637
.3 : 3,233,667
.3 : 3,240,512
.3 : 3,251,332
.3 : 3,256,695
.3 : 3,266,353
.4 : 3,256,695
.5 : 3,256,695
.5 : 3,290,804
.6 : 3,232,358
.7 : 3,227,419
81 : 3,295,327
83 : 3,247,675
3,260,381
84 : 3,250,078
3,258,135
85 : 3,247,675
3,260,054

Class 62

2 : 3,254,701
3 : 3,227,885
3,230,773
3,234,048
3,234,595
3,238,944
3,239,377
3,240,261
3,241,603
3,249,469
3,250,433
3,250,543
3,252,013
3,252,504
3,256,920
3,259,887
3,261,721
3,261,764
3,262,492
3,264,714
3,264,746
3,265,893
3,269,874
3,269,875
3,272,659
3,274,995
3,281,073
3 : 3,281,814
3,281,921
3,282,267
3,284,664
3,289,749
3,290,177
4 : 3,267,683
3,267,856
3,267,857
3,273,332
5 : 3,259,145
3,277,238
3,291,126
6 : 3,232,045
3,237,421
3,248,870
3,261,171
3,274,781
3,292,501
9 : 3,233,418
3,282,059
10 : 3,242,683
3,255,600
11 : 3,230,724
3,257,813
3,282,062
12 : 3,242,683
3,254,497
13 : 3,233,418
3,256,704
3,257,814
3,258,930
3,264,830
3,277,655
14 : 3,233,419
3,250,080
3,273,316
15 : 3,255,596
17 : 3,230,690
3,235,471
3,247,649
3,262,278
3,267,028
3,272,735
3,274,102
3,287,262
18 : 3,236,059
3,242,681
3,264,212
3,267,645
3,277,655
3,279,197
3,282,062
20 : 3,254,495
3,267,028
21 : 3,227,631
3,228,860
3,230,154
3,238,111
3,243,967
3,254,497
3,255,596
3,259,554
3,269,922
3,292,381
22 : 3,264,830
23 : 3,236,057
3,237,417
3,240,023
3,251,542
3,254,495
3,254,496
3,257,812
3,283,521
3,290,890
3,292,380
24 : 3,269,130
26 : 3,228,201
3,229,471
3,230,724
3,251,189
3,254,495
3,257,813
3,260,058
3,274,787
3,276,212
3,290,890
3,292,380
3,292,381
3,292,382
27 : 3,292,381
28 : 3,229,471
3,230,155
3,241,327
3,251,189
3,258,929
3,260,057
3,262,278
3,266,260
3,267,028
3,269,131
3,274,102
3,274,787
3,276,212
29 : 3,237,418
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30 : 3,236,059
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3,261,168
3,264,830
31 : 3,229,471
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3,255,596
3,260,057
3,264,830
3,269,131
3,270,514
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35 : 3,232,218
36 : 3,282,334
3,285,719
37 : 3,229,471
3,238,111
3,240,023
3,249,518
3,255,595
3,257,812
3,259,554
3,266,260
38 : 3,236,057
3,236,058
3,246,478
3,250,079
3,260,056
3,261,168
3,264,831
3,266,259
3,267,684
3,269,130
3,283,521
3,285,028
3,292,380
39 : 3,251,189
3,251,190
3,257,814
3,258,930
3,264,212
3,277,655
3,280,574
3,292,381
40 : 3,230,724
3,230,725
3,233,418
3,236,057
3,237,416
3,237,418
3,238,735
3,241,327
3,242,681
3,242,682
3,246,478
3,250,079
3,254,495
3,254,496
3,257,812
3,261,167
3,261,169
3,264,830
3,269,130
3,271,965
3,272,735
3,274,102
3,282,059
3,282,061
3,283,521
3,292,382
41 : 3,228,860
3,230,725
3,236,059
3,259,554
3,266,259
3,269,130
3,280,574
3,290,890
42 : 3,234,744
3,237,417
3,264,832
3,292,380
45 : 3,230,727
3,232,066
3,232,725
3,237,687
3,238,002
3,241,274
3,246,480
3,260,062
3,261,180
3,263,622
3,266,660
3,270,802
3,271,924
3,272,373
3,272,374
3,273,740
3,280,575
45 : 3,280,593
3,283,512
3,283,530
3,285,460
3,285,719
3,287,914
3,287,915
3,295,327
48 : 3,230,726
3,238,002
3,266,262
3,280,593
3,289,423
49 : 3,247,713
50 : 3,229,472
3,245,248
3,246,479
3,258,602
3,260,060
3,264,474
3,271,966
3,272,238
3,274,788
3,282,305
51 : 3,242,681
3,264,833
3,285,719
3,293,011
52 : 3,245,463
3,246,634
3,256,705
3,269,385
3,273,348
3,273,349
3,279,214
53 : 3,234,746
54 : 3,232,066
3,232,725
3,246,479
3,246,480
3,251,191
3,254,496
3,254,498
3,271,965
3,271,967
3,273,349
3,282,064
55 : 3,234,745
3,238,887
3,240,377
3,241,328
3,243,967
3,247,678
3,260,061
3,262,276
3,262,280
3,263,622
3,266,261
3,271,967
3,272,238
3,282,061
3,282,064
3,292,383
3,295,563
.5 : 3,252,652
.5 : 3,262,279
.5 : 3,286,014
.5 : 3,286,531
.5 : 3,290,789
56 : 3,270,515
3,291,198
3,296,032
57 : 3,290,788
58 : 3,232,218
3,242,058
3,243,357
3,243,966
3,247,678
3,254,989
3,255,602
3,255,603
3,255,604
3,255,605
3,259,181
3,266,264
3,269,136
3,271,163
3,276,848
3,277,667
3,292,386
3,295,988
62 : 3,256,920
3,269,142
3,293,049
3,295,220
63 : 3,263,436
3,273,258
64 : 3,228,838
3,238,736
3,240,026
3,250,086
3,255,597
3,255,599
3,256,920
64 : 3,258,935
3,277,656
3,277,657
3,281,075
3,283,523
3,286,477
3,287,925
3,291,076
65 : 3,233,421
3,240,026
3,250,086
3,255,599
3,261,394
3,270,459
3,277,604
3,287,932
66 : 3,233,562
3,241,250
3,242,058
3,290,789
68 : 3,245,801
3,256,100
3,285,331
3,291,076
69 : 3,272,132
72 : 3,255,606
73 : 3,233,562
3,247,600
74 : 3,244,870
3,253,344
3,257,815
3,281,950
3,290,788
3,290,789
77 : 3,230,730
3,232,070
78 : 3,226,946
3,233,965
79 : 3,234,738
3,250,082
3,276,226
3,286,480
80 : 3,270,530
3,274,789
81 : 3,277,665
82 : 3,237,424
3,258,932
3,281,949
83 : 3,257,824
84 : 3,270,521
3,274,796
3,283,532
85 : 3,237,420
3,241,335
3,271,975
86 : 3,229,470
3,255,610
3,265,123
87 : 3,230,729
3,250,079
3,251,542
3,271,970
3,273,982
3,274,795
3,289,436
88 : 3,269,137
89 : 3,270,530
90 : 3,232,029
3,273,258
91 : 3,232,029
3,247,679
3,257,816
93 : 3,226,948
3,232,029
3,233,424
3,289,434
3,289,435
94 : 3,232,029
3,247,679
98 : 3,250,084
99 : 3,242,679
3,276,516
3,277,668
100 : 3,237,419
3,257,168
3,273,636
3,282,058
3,296,032
107 : 3,241,330
108 : 3,263,437
109 : 3,273,350
112 : 3,276,217
114 : 3,258,933
116 : 3,242,679
3,266,261
3,276,514
3,277,658
117 : 3,226,940
3,232,074
3,242,689
3,285,028
118 : 3,239,164
3,247,678
119 : 3,239,164

Class 62 — Con.

119 : 3,290,894
121 : 3,255,600 3,277,660
123 : 3,234,747 3,240,024 3,242,058 3,243,968 3,248,890 3,251,192 3,251,193 3,255,598 3,255,817 3,259,181 3,261,170 3,266,263 3,267,686 3,269,134 3,279,200 3,283,522 3,285,023 3,285,025 3,285,027
124 : 3,285,024 3,295,988
125 : 3,243,969 3,264,835 3,280,620
126 : 3,227,207 3,246,505
127 : 3,232,070
135 : 3,232,069
136 : 3,242,058 3,285,023
137 : 3,226,944 3,232,064 3,246,210 3,269,138
139 : 3,233,078
140 : 3,250,083 3,258,932
141 : 3,236,064 3,248,891 3,254,499 3,263,437 3,279,203
144 : 3,270,512
148 : 3,230,731 3,248,891 3,254,499 3,279,204 3,287,928
149 : 3,237,420 3,238,737 3,243,969 3,269,458 3,278,978 3,286,766 3,289,426
150 : 3,258,932 3,287,930
151 : 3,229,474 3,248,893 3,248,894 3,280,577
154 : 3,256,707 3,273,635
155 : 3,256,712 3,273,635 3,287,933
156 : 3,228,204 3,280,577 3,283,528
157 : 3,232,064 3,277,662
158 : 3,286,479
159 : Re.25,990 3,241,602 3,261,394 3,292,385
160 : 3,230,728 3,232,073 3,237,422 3,240,028 3,263,438 3,264,837 3,264,838 3,273,352 3,273,635 3,280,579 3,283,809
161 : 3,227,207
162 : 3,279,205
163 : 3,228,400
165 : 3,253,423
171 : Re.25,990 3,247,679
172 : 3,226,948
173 : 3,257,822 3,273,258
174 : 3,232,070 3,234,748 3,237,420 3,237,422 3,246,482 3,248,895 3,264,838 3,289,426 3,289,428
175 : 3,269,137
176 : 3,251,196 3,264,840
180 : 3,228,204 3,229,476 3,248,893 3,248,894 3,251,196 3,283,809 3,292,387
183 : 3,265,122
185 : 3,237,415 3,247,678 3,257,818 3,263,741 3,276,516 3,277,668
186 : 3,226,938 3,233,422 3,248,893 3,248,894 3,276,220 3,292,387
187 : 3,248,893 3,248,894 3,288,370
192 : 3,234,749
193 : 3,237,848 3,280,576
195 : 3,234,748
196 : 3,234,748 3,234,751 3,234,752 3,234,754 3,248,895 3,270,517 3,274,793 3,280,582 3,283,525 3,287,931
197 : 3,261,172 3,264,837 3,267,645
198 : 3,261,167
199 : 3,257,818
201 : 3,237,415 3,276,516
202 : 3,227,207 3,228,204
203 : 3,240,027
207 : 3,233,422
208 : 3,228,204 3,250,084
209 : 3,229,474 3,248,892 3,248,896 3,274,791 3,280,579
210 : 3,243,970 3,250,084 3,264,837
214 : 3,228,204 3,274,793
215 : 3,247,678 3,276,220
216 : 3,232,069 3,251,196 3,257,819 3,258,931 3,270,517 3,281,075 3,282,063 3,287,925
217 : 3,226,938 3,226,940 3,230,730 3,245,248 3,248,896 3,260,064 3,274,793 3,289,424
218 : 3,260,067
222 : 3,250,084 3,264,837 3,286,482
223 : 3,242,687 3,258,931 3,281,075
224 : 3,252,294 3,252,296
225 : 3,242,688 3,279,778
226 : 3,226,949 3,252,295 3,276,219 3,286,481
227 : 3,240,027 3,260,064 3,289,429
228 : 3,233,822 3,248,896 3,252,539 3,253,774 3,264,841
229 : 3,260,063 3,276,220
230 : 3,275,888 3,276,220 3,283,525
231 : 3,292,387
233 : 3,226,937 3,228,202 3,232,064 3,280,585 3,290,892
234 : 3,257,816 3,282,065
235 : 3,251,194 3,289,425
236 : 3,283,525
237 : 3,230,675
238 : 3,234,109 3,234,738 3,248,304 3,254,507 3,259,176 3,285,024 3,288,686 3,289,747
239 : 3,231,219 3,232,070 3,236,476 3,237,545 3,239,164 3,241,329 3,246,592 3,255,597 3,261,177 3,263,439 3,267,856 3,267,857 3,270,512 3,287,925
240 : 3,229,473
243 : 3,226,938 3,226,943 3,228,205 3,230,730 3,241,332 3,252,296 3,252,298 3,286,765
244 : 3,245,224 3,250,317 3,283,527 3,289,431
246 : 3,229,475
248 : 3,263,063 3,269,787
249 : 3,263,745
251 : 3,260,065
255 : 3,241,899 3,263,745 3,269,787
256 : 3,233,424 3,256,799 3,291,027
258 : 3,263,442
259 : 3,227,208 3,229,610 3,231,010 3,238,944 3,242,686 3,246,477 3,256,931 3,263,438 3,267,995 3,268,720 3,270,738 3,279,201 3,289,748 3,295,594 3,296,032
260 : 3,267,685 3,270,515 3,276,213 3,283,512 3,287,914 3,287,915 3,289,425
261 : 3,251,197 3,277,811 3,283,520
262 : 3,246,593 3,263,403 3,274,919 3,286,481
263 : 3,254,701
264 : 3,268,720 3,285,029
265 : 3,241,899
267 : 3,233,422 3,241,329 3,255,597
268 : 3,237,419 3,263,436 3,273,636 3,281,949
271 : 3,253,365
272 : 3,233,424 3,267,692 3,270,515
275 : 3,256,708 3,258,932 3,261,173
276 : 3,226,945 3,233,965 3,248,892
277 : 3,230,734 3,232,071
278 : 3,230,728 3,234,748 3,234,751 3,234,752 3,234,753 3,256,708
280 : 3,279,209 3,289,433
281 : 3,289,434 3,289,435
282 : 3,258,932 3,267,689 3,281,949
283 : 3,232,071 3,243,971
285 : 3,232,342 3,237,424 3,271,972 3,278,065 3,292,688
288 : 3,271,972
289 : 3,280,580 3,287,930
290 : 3,275,071
291 : 3,230,734 3,232,489 3,271,972 3,292,688
292 : 3,232,070 3,237,420 3,243,969 3,252,475 3,289,426
293 : D204,153 D204,153 3,259,131
296 : 3,273,670
297 : 3,228,205 3,242,686 3,276,222
298 : 3,240,029 3,252,292 3,261,173 3,263,440
299 : 3,230,732 3,230,733
300 : 3,269,139 3,270,519 3,289,430
302 : 3,230,733 3,256,709
303 : 3,273,585
305 : Re.25,990 3,289,750 3,290,025
306 : 3,232,489
310 : 3,256,802 3,257,817 3,269,458
312 : 3,230,735
314 : 3,275,074
315 : 3,279,208
316 : 3,226,942 3,275,074
317 : 3,260,189 3,263,403 3,263,704
320 : 3,228,202 3,238,740 3,268,118 3,274,792 3,276,224 3,280,585 3,290,895 3,293,049
321 : 3,257,815
323 : 3,236,060 3,241,332 3,247,679 3,260,063 3,276,220 3,283,525 3,287,931 3,289,431
324 : 3,240,028 3,263,438 3,264,837 3,264,839 3,264,840 3,274,793 3,275,067 3,280,582 3,289,428
325 : 3,276,516
326 : 3,226,947
331 : 3,236,133 3,247,678 3,255,690 3,263,439
333 : 3,255,593 3,267,688 3,292,388
335 : 3,267,689
339 : 3,250,433 3,254,504
341 : 3,232,218 3,242,684
342 : 3,228,203 3,229,476 3,229,647 3,236,060 3,255,815 3,256,100 3,264,836 3,267,688 3,272,132 3,276,633 3,279,205 3,285,331 3,291,200
344 : 3,226,939 3,226,944 3,230,736 3,232,064 3,234,750 3,252,293 3,269,138 3,270,519 3,274,791 3,277,666 3,280,578
345 : 3,242,685 3,253,420 3,264,844 3,280,590 3,285,029
346 : 3,237,425 3,242,683
347 : 3,228,202 3,246,481 3,253,424 3,254,501 3,257,815 3,266,169 3,274,792 3,280,588 3,289,430 3,292,386
348 : 3,233,417 3,252,299 3,267,688 3,269,138 3,277,661 3,289,430
351 : 3,253,425 3,254,501 3,287,927 3,290,892
352 : Re.26,101 3,247,677 3,251,195 3,277,661 3,280,585
353 : 3,232,064 3,247,682 3,255,606 3,274,790 3,283,526 3,286,478 3,287,927
354 : 3,233,417 3,237,425 3,238,739 3,245,225 3,245,801 3,252,299 3,256,710 3,256,711 3,264,836 3,266,265 3,269,138 3,274,792 3,276,223 3,277,667 3,281,956 3,283,529 3,290,895 3,290,896
355 : 3,233,562
356 : 3,230,736 3,234,595 3,269,139 3,273,353 3,274,794 3,287,926
371 : 3,236,206 3,273,354
373 : 3,247,678 3,255,597 3,258,931 3,283,530 3,287,925 3,293,049
374 : 3,238,736 3,240,026 3,255,599 3,258,935 3,277,656 3,277,657 3,283,523 3,286,477
375 : 3,228,206
376 : 3,282,064
378 : 3,228,206 3,251,188 3,271,973
380 : 3,226,947 3,232,068 3,233,421 3,238,736 3,254,506 3,255,608 3,258,102 3,258,935 3,261,176 3,263,441 3,267,585 3,282,067 3,287,932 3,292,384
381 : 3,232,067 3,241,250 3,242,685 3,245,226 3,261,178 3,272,300 3,292,384
382 : 3,251,188 3,254,502 3,256,709
383 : 3,295,220
384 : 3,232,065 3,253,423 3,254,506 3,267,687 3,286,483
389 : 3,229,852 3,232,489 3,250,433 3,270,513
390 : 3,237,810 3,240,395 3,266,672 3,285,474
391 : 3,254,504
392 : 3,269,606 3,289,895
393 : 3,230,735 3,257,817 3,258,933 3,270,520
394 : 3,227,207 3,240,265 3,254,504 3,255,609 3,257,817 3,269,143 3,270,518 3,280,591
395 : 3,243,965
396 : 3,230,735
399 : 3,248,898 3,255,609 3,263,442 3,270,518 3,270,520 3,271,974 3,280,587 3,286,484
401 : 3,232,334 3,247,676
402 : 3,226,946 3,226,948 3,241,327 3,252,298 3,271,970 3,273,982 3,274,789 3,285,001
403 : 3,261,171 3,269,137
405 : 3,231,010
406 : 3,228,205 3,248,897
408 : 3,226,938 3,233,422 3,237,424
411 : 3,237,545
412 : 3,241,334
413 : 3,241,334
414 : 3,232,072 3,276,219 3,280,583
418 : 3,232,072 3,267,585
419 : 3,226,946 3,228,205 3,230,732 3,230,733 3,232,071 3,237,424 3,243,972 3,246,592 3,253,422 3,265,784 3,271,970 3,280,583 3,283,531 3,285,034 3,287,933 3,290,893
420 : 3,280,584 3,287,926
425 : 3,230,735
426 : 3,251,197 3,254,929 3,274,919 3,275,071 3,285,332
427 : 3,262,491 3,264,843 3,271,972
428 : 3,263,342
429 : 3,237,423 3,289,433
430 : 3,228,205 3,248,897 3,254,502
434 : 3,247,678 3,257,818 3,267,689 3,280,586
435 : 3,236,133 3,237,415 3,239,164 3,255,609 3,271,968 3,276,516
440 : 3,256,931 3,283,530
441 : 3,232,071 3,233,422 3,241,334 3,243,972 3,252,292 3,263,440
442 : 3,247,678 3,260,065
443 : 3,280,583
444 : 3,230,734
446 : 3,283,531
447 : 3,240,029 3,261,173 3,263,440 3,285,034 3,287,933
448 : 3,226,947 3,228,205 3,230,733 3,263,439 3,289,424
449 : 3,261,173
450 : 3,230,732 3,230,734
451 : 3,240,029
455 : Re.25,990 3,230,734 3,263,745
456 : 3,232,071 3,245,224
457 : 3,236,206 3,240,030 3,254,502 3,255,607 3,257,821 3,262,283 3,280,586 3,280,591 3,280,592 3,283,530 3,285,033 3,286,483
458 : 3,230,723 3,240,030
459 : 3,241,333 3,253,423
464 : 3,254,504
465 : 3,261,179

467 : 3,241,327 3,247,679 3,252,296 3,253,423 3,255,601 3,270,515 3,275,074
470 : 3,234,749 3,280,576
471 : 3,230,730 3,250,082 3,257,824 3,280,576
472 : 3,263,435 3,276,215
474 : 3,286,480
475 : 3,230,729 3,234,748 3,248,891 3,272,735 3,274,102 3,276,216
476 : 3,250,087 3,262,282 3,263,437 3,266,268 3,270,516 3,270,523 3,270,524 3,276,217 3,279,202 3,279,203 3,279,204 3,279,206 3,279,207 3,279,213 3,287,928 3,289,427 3,291,199 3,292,385
477 : 3,270,512
483 : 3,243,966 3,248,891 3,279,212 3,295,335
484 : 3,273,350
485 : 3,266,266
487 : 3,229,759 3,236,064 3,264,835 3,279,203 3,279,204 3,279,206 3,279,207
488 : 3,279,202
489 : 3,236,064 3,262,282 3,263,437 3,266,266 3,279,203 3,279,206 3,279,212 3,286,485 3,287,928
490 : 3,264,835
494 : 3,267,691 3,289,427
495 : 3,270,516 3,270,522
496 : 3,272,426 3,279,202
497 : 3,243,966 3,254,507 3,266,266 3,279,204 3,284,610 3,291,199 3,295,334
498 : 3,250,084 3,252,298 3,255,601 3,262,281 3,266,527 3,276,219 3,285,001
500 : 3,276,216 3,276,226 3,277,659 3,277,660
501 : 3,250,082 3,266,261 3,275,532 3,276,218 3,276,226 3,276,514 3,286,480
502 : 3,246,505 3,257,817 3,277,659 3,286,480
503 : 3,226,938 3,230,730 3,232,073 3,234,752 3,246,482 3,256,708 3,258,933 3,264,837 3,283,524
504 : 3,226,940 3,270,517
505 : 3,226,949 3,236,062 3,241,331 3,242,359 3,261,172 3,267,691 3,270,521 3,276,221 3,277,658 3,295,335
506 : 3,230,732 3,230,733 3,234,751 3,255,593 3,265,122 3,269,135
507 : 3,251,409 3,273,258
508 : 3,264,842
509 : 3,238,737 3,248,895 3,276,219
510 : 3,234,749 3,234,751 3,234,752 3,234,754 3,238,738 3,242,686 3,277,658 3,280,582
511 : 3,260,067 3,262,281 3,273,356 3,283,524 3,285,030 3,285,032
512 : 3,232,073 3,277,659
513 : 3,229,759 3,234,754 3,246,482 3,264,837 3,269,140 3,273,356 3,274,797 3,282,334 3,285,028
514 : 3,226,941 3,226,942 3,242,418 3,252,291 3,253,423 3,257,820 3,257,823 3,258,602 3,258,931 3,269,133 3,269,140 3,270,744 3,271,966 3,271,970 3,272,258 3,281,075 3,282,063 3,287,925 3,289,424 3,290,894
515 : 3,271,969 3,274,797 3,275,071 3,279,211
516 : 3,229,765 3,251,198
517 : 3,226,942
519 : 3,232,067
520 : 3,264,756
523 : 3,240,269
525 : 3,229,722 3,240,265 3,260,065 3,271,969
527 : 3,242,689 3,279,210
530 : 3,229,478 3,255,607 3,257,821 3,258,065 3,262,283 3,269,144 3,273,354 3,282,068

Class 63

1 : 3,245,404
2 : 3,228,481 3,242,540 3,251,066 3,271,977
3 : 3,242,690 3,254,396 3,262,767
4 : 3,284,882
5 : 3,265,247
14 : 3,237,266 3,238,938 3,270,525 3,273,215
15 : 3,270,525
.45: 3,263,444
.65: 3,246,388
20 : 3,270,525 3,271,977
21 : 3,228,481
23 : 3,270,525
29 : 3,234,684
30 : 3,255,611
31 : 3,247,683
32 : D204,199 3,255,195

Class 64

1 : Re.26,093 3,240,031 3,242,692 3,252,527 3,261,414 3,263,446 3,263,450 3,272,498 3,290,897 3,293,458 3,295,336 3,295,389
2 : 3,234,723 3,238,022 3,240,082 3,261,225 3,274,846 3,287,990
3 : 3,230,979 3,238,808 3,258,990 3,261,182 3,274,850 3,284,121 3,290,897
4 : 3,245,271 3,248,970 3,249,377 3,287,980
5 : 3,251,199
6 : 3,231,157 3,235,015 3,235,953 3,238,809 3,241,657
.2 : 3,231,029
8 : 3,242,695 3,283,842 3,292,368
10 : 3,276,553
11 : 3,228,481 3,229,480 3,233,914 3,241,396 3,245,229 3,257,859 3,269,146
12 : 3,241,396 3,246,485 3,279,278
13 : 3,244,020 3,250,089
14 : 3,226,819 3,231,039 3,245,508 3,257,827
15 : 3,235,208 3,243,199 3,244,020 3,269,594 3,272,091 3,272,492 3,275,108 3,288,541
17 : 3,237,698 3,238,743 3,238,744 3,238,745 3,241,395
18 : 3,272,571
19 : 3,285,080
21 : 3,237,429 3,242,694 3,285,009
23 : 3,235,017 3,240,350 3,245,544 3,264,704 3,274,466 3,279,216 3,283,588 3,290,887
.5 : 3,232,359
.5 : 3,288,229
.7 : 3,240,278
24 : 3,237,469 3,247,734 3,252,343
25 : 3,262,435
26 : 3,263,426 3,289,407 3,292,369
27 : 3,232,362 3,235,953 3,237,740 3,242,766 3,245,022 3,246,484 3,257,859 3,257,860 3,265,172 3,280,949 3,286,489 3,289,487
28 : 3,236,106 3,236,337 3,237,741 3,246,483 3,247,735 3,266,340 3,269,498 3,277,669
29 : 3,235,050 3,243,024 3,267,775 3,282,387 3,290,012 3,291,006
30 : 3,232,362 3,233,429 3,235,047 3,245,163 3,249,187 3,254,539 3,254,795 3,258,095 3,269,204 3,275,109
31 : 3,242,693 3,242,694 3,258,988 3,267,750
32 : 3,254,907 3,255,839
251 : 3,228,861

Class 65

1 : 3,233,992 3,245,767 3,282,668 3,290,723
2 : 3,268,313 3,273,812 3,274,006 3,285,720 3,295,943
3 : 3,227,032 3,232,788 3,247,755 3,261,676 3,261,736 3,269,818 3,272,063 3,273,987 3,274,324 3,279,903 3,285,724 3,285,801 3,287,204 3,288,583 3,291,584
4 : 3,238,837 3,241,934 3,244,776 3,247,755 3,247,756 3,250,602 3,251,665 3,253,500 3,253,896 3,256,124 3,261,736 3,262,251 3,268,312 3,269,818 3,272,063 3,291,584
5 : 3,271,122 3,282,668
6 : 3,227,536 3,235,349 3,238,028 3,238,029 3,246,971 3,252,777 3,254,482 3,265,477 3,265,483 3,285,722 3,285,723
7 : 3,233,991 3,271,122 3,282,668 3,285,724
8 : 3,246,971 3,257,182 3,265,477 3,265,483 3,295,943
9 : 3,231,349 3,233,991 3,236,616 3,245,767 3,250,602 3,259,479 3,269,818 3,279,394 3,282,667 3,284,180 3,285,724 3,285,801 3,288,582 3,295,942 3,295,943
11 : 3,241,934 3,244,383 3,244,776 3,245,767 3,250,602 3,253,896 3,254,482 3,256,079 3,257,181 3,264,076 3,265,476 3,268,312 3,269,816 3,272,609 3,273,812 3,273,985 3,279,902 3,281,223 3,285,721 3,285,724 3,285,801 3,293,013
12 : 3,227,535 3,232,730 3,233,989 3,233,990 3,233,991 3,251,665 3,252,776 3,256,078 3,257,181 3,257,182 3,268,313 3,271,122 3,273,987 3,276,853 3,282,667 3,283,055 3,285,722 3,285,723 3,288,581 3,291,584
13 : 3,247,589
14 : 3,233,989 3,233,990 3,245,768 3,252,777 3,254,977 3,265,477 3,273,358 3,295,943
15 : 3,227,536 3,235,349 3,250,602 3,252,776 3,257,183
16 : 3,236,616 3,238,028 3,248,192 3,282,668 3,285,722 3,285,723
18 : 3,248,464 3,269,818 3,279,947 3,293,077
19 : 3,278,284
20 : 3,231,231 3,235,351 3,248,464 3,268,350 3,288,584
21 : 3,242,032 3,245,767 3,245,866 3,252,780 3,282,066 3,288,585 3,290,163 3,291,633
22 : 3,235,351 3,250,603 3,266,789 3,268,350 3,291,633
23 : 3,241,934 3,253,897 3,261,676 3,268,316 3,275,428 3,278,284 3,279,902
24 : 3,266,879
25 : 3,250,573 3,251,667 3,254,981 3,281,229 3,291,590
26 : 3,244,497
27 : 3,234,034 3,252,776 3,268,429 3,271,122 3,291,585
29 : 3,236,099 3,249,415 3,255,120 3,257,188 3,265,476 3,268,314 3,268,318 3,269,816 3,285,728 3,293,023
30 : 3,241,935 3,248,464 3,249,246 3,259,479 3,259,517 3,275,470 3,282,770 3,287,200 3,287,201 3,288,603 3,291,633
31 : 3,231,456 3,241,934 3,248,464 3,265,480 3,266,963 3,275,428 3,281,225 3,281,294 3,282,770 3,290,193
32 : 3,231,354 3,231,456 3,233,993 3,238,030 3,239,322 3,240,581 3,241,934 3,241,938 3,243,274 3,248,192 3,248,197 3,250,605 3,254,980 3,257,181 3,261,676 3,266,880 3,268,317 3,269,847 3,273,986 3,275,470 3,276,853 3,277,558 3,278,319 3,279,038 3,279,902
33 : 3,227,032 3,227,565 3,228,548 3,231,399 3,231,456 3,236,662 3,238,085 3,239,322 3,241,985 3,243,274 3,243,335 3,246,972 3,249,246 3,249,417 3,252,811 3,253,975 3,261,676 3,262,767 3,262,769 3,263,852 3,265,478 3,266,879 3,269,818 3,269,821 3,275,492 3,275,493 3,278,284 3,279,931 3,279,941 3,282,711 3,282,712 3,282,770 3,284,226 3,285,725 3,293,052 3,295,944
34 : 3,250,605 3,252,781 3,270,237 3,273,989
35 : 3,254,979 3,264,078 3,265,482 3,275,429 3,278,284
36 : 3,233,984 3,264,205 3,265,480 3,266,526 3,267,016 3,269,817 3,272,063 3,279,902 3,282,666 3,282,669 3,282,670 3,282,817 3,282,818 3,283,655 3,290,132 3,291,589
37 : 3,275,428
38 : 3,245,745 3,247,755 3,272,063 3,278,283
40 : 3,243,335 3,273,989
41 : 3,267,016 3,291,586
42 : 3,227,535 3,236,617 3,241,934 3,253,896 3,271,036 3,282,818
43 : 3,228,548 3,232,732 3,239,322 3,239,323 3,243,635 3,247,755 3,253,896 3,256,124 3,264,015 3,269,817 3,275,878 3,279,902 3,279,903 3,281,309 3,288,585 3,291,586
44 : 3,238,031
45 : 3,236,617 3,237,037 3,248,194 3,278,282 3,290,132
48 : 3,269,817
49 : 3,264,015 3,279,947
50 : 3,236,617
54 : 3,236,617 3,244,776 3,249,988 3,254,980 3,260,583 3,282,666 3,288,585
55 : 3,253,896 3,278,283 3,279,903 3,288,585
56 : 3,244,776 3,248,194 3,249,988 3,253,896 3,265,480 3,279,903

Class 65 – Con.

56 : 3,282,666
3,282,817
3,285,725
3,288,585
57 : 3,288,585
58 : 3,232,732
3,239,322
3,245,195
3,250,605
3,252,781
3,276,124
3,257,187
3,268,316
3,271,124
3,272,611
3,273,986
3,273,988
3,291,587
3,291,589
59 : 3,229,354
3,235,290
3,237,045
3,240,661
3,240,850
3,241,934
3,242,253
3,243,635
3,246,973
3,249,988
3,252,781
3,260,583
3,263,852
3,264,712
3,265,480
3,268,315
3,268,317
3,269,818
3,271,124
3,278,282
3,279,038
3,281,309
3,284,683
3,285,725
3,287,097
3,288,585
3,290,134
3,290,137
3,291,587
3,292,234
60 : 3,227,032
3,231,456
3,241,934
3,242,202
3,245,769
3,249,467
3,250,603
3,258,521
3,259,479
3,260,195
3,262,767
3,269,818
3,275,492
3,279,903
3,282,014
3,291,587
61 : 3,235,290
3,246,973
3,278,283
62 : 3,243,276
3,257,184
3,266,879
3,268,315
3,281,226
63 : 3,259,480
64 : 3,227,539
3,233,997
3,241,936
3,258,321
3,272,612
3,285,727
3,288,584
3,241,937
3,241,938
3,241,939
3,248,193
3,248,197
3,250,604
3,251,667
3,254,979
3,259,480
3,266,880
3,268,316
3,273,987
3,284,181
3,288,584
3,288,603
3,293,015
3,295,945
66 : 3,240,582
3,248,193

66 : 3,268,321
3,290,132
67 : 3,282,666
69 : 3,235,353
3,273,987
70 : 3,230,063
3,240,582
71 : 3,236,619
3,282,666
3,282,667
3,288,585
3,293,024
72 : 3,271,127
76 : 3,230,061
3,245,770
3,278,665
3,281,230
3,291,588
77 : 3,245,770
3,264,080
3,278,285
78 : 3,230,061
3,235,352
3,240,582
3,243,847
81 : 3,258,321
3,272,612
3,281,230
82 : 3,252,782
3,271,123
83 : 3,232,733
3,245,770
3,248,193
3,264,080
3,269,816
3,275,430
3,278,282
3,293,014
84 : 3,232,730
3,236,620
85 : 3,230,065
3,236,620
3,248,193
3,291,588
3,293,014
86 : 3,245,770
3,249,417
3,257,183
3,268,313
3,278,286
3,282,667
87 : 3,245,773
3,257,184
88 : 3,240,583
3,257,183
89 : 3,236,619
3,245,770
3,257,184
90 : 3,231,350
3,232,733
3,238,033
3,248,193
3,285,726
3,290,132
91 : 3,264,081
92 : 3,241,939
3,250,604
3,259,480
94 : 3,229,141
3,236,617
3,241,939
3,284,182
95 : 3,251,671
99 : 3,231,351
3,231,354
3,241,937
3,248,193
3,248,197
3,250,604
3,251,667
3,256,081
3,260,585
3,284,181
3,288,584
3,295,945
100 : 3,275,429
101 : 3,238,031
3,241,939
3,243,275
3,284,182
102 : 3,243,274
3,250,603
3,253,897
3,282,817
3,290,132
103 : 3,236,621
3,251,670
3,253,898
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3,260,584
3,295,945
3,264,082

103 : 3,282,669
104 : 3,231,352
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3,241,939
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3,250,605
3,251,670
3,253,898
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3,265,488
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3,281,232
3,291,590
3,293,015
3,293,020
3,293,021
105 : 3,231,352
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3,266,879
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3,282,817
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106 : 3,231,356
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3,290,136
107 : 3,227,538
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3,230,066
3,230,067
3,231,352
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108 : 3,235,290
3,268,318
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109 : 3,227,539
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3,271,123
110 : 3,243,276
3,243,847
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3,250,605
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111 : 3,231,456
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3,269,818
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112 : 3,266,879
113 : 3,265,487
114 : 3,227,540
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3,250,603
3,258,323
3,260,584
3,262,768
3,264,078

114 : 3,264,079
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3,287,201
3,293,015
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115 : 3,251,726
3,258,351
3,258,352
3,258,972
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116 : 3,242,032
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3,260,586
3,271,207
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117 : 3,228,761
3,250,605
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118 : 3,289,265
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119 : 3,259,480
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120 : 3,233,997
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3,293,019
121 : 3,227,032
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3,250,602
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3,291,584
122 : 3,240,582
3,245,770
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3,271,126
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3,293,017
123 : 3,240,582
124 : 3,271,127
125 : 3,232,731
3,251,669
126 : 3,231,357
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3,268,313
3,269,821
127 : 3,227,537
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128 : 3,227,537
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129 : 3,230,060
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3,271,126
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130 : 3,257,184
131 : 3,231,357
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132 : 3,232,731
133 : 3,230,063
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137 : 3,264,076
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138 : 3,270,237

138 : 3,277,558
139 : 3,252,781
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145 : 3,235,351
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154 : 3,241,934
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159 : 3,264,079
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3,269,816
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160 : 3,236,099
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3,293,023
161 : 3,232,733
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162 : 3,239,324
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3,246,124
3,248,206
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3,269,816
3,274,324
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163 : 3,249,415
164 : 3,266,881
3,271,126

164 : 3,293,017
165 : 3,232,731
3,271,125
167 : 3,272,611
168 : 3,232,731
3,268,429
3,282,670
169 : 3,248,193
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172 : 3,252,776
174 : 3,264,079
177 : 3,231,356
178 : 3,231,351
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179 : 3,244,493
181 : 3,247,755
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182 : 3,231,351
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3,233,995
3,241,937
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3,241,939
3,243,275
3,250,573
3,250,604
3,251,667
3,254,981
3,256,081
3,260,585
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3,266,880
3,282,447
3,293,015
3,295,945
183 : 3,269,821
3,271,125
184 : 3,235,351
3,236,617
3,243,275
3,245,767
3,245,770
3,271,125
185 : 3,284,182
186 : 3,227,537
3,241,939
187 : 3,236,619
3,248,193
3,257,184
3,260,586
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188 : 3,268,321
189 : 3,269,821
191 : 3,260,583
192 : 3,240,583
193 : 3,248,193
3,290,132
195 : 3,275,429
196 : 3,243,275
199 : 3,266,880
201 : 3,264,081
202 : 3,241,940
203 : 3,231,350
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3,273,990
204 : 3,231,350
3,231,351
3,232,734
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3,257,189
3,285,726
205 : 3,230,065
3,238,033
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206 : 3,241,940
207 : 3,293,023
208 : 3,271,126
209 : 3,266,881
215 : 3,271,127
221 : 3,239,327
3,248,204
3,271,127
223 : 3,271,126
3,291,588
225 : 3,256,081
226 : 3,240,582

227 : 3,257,184
3,258,321
3,278,665
3,281,228
230 : 3,283,046
231 : 3,258,322
232 : 3,240,582
235 : 3,233,999
239 : 3,230,061
3,235,352
3,241,941
3,290,135
241 : 3,230,061
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3,243,847
3,267,184
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242 : 3,240,582
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243 : 3,231,355
244 : 3,257,186
245 : 3,245,771
3,284,182
250 : 3,245,773
252 : 3,252,779
3,259,480
3,290,135
253 : 3,233,994
3,245,771
3,248,198
3,278,286
254 : 3,231,354
3,233,997
3,251,667
255 : 3,238,031
3,241,941
256 : 3,236,617
3,237,244
257 : 3,238,031
258 : 3,231,356
3,251,667
3,256,081
3,260,585
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3,290,132
260 : 3,249,200
266 : 3,271,123
267 : 3,233,416
3,249,418
268 : 3,235,353
3,236,617
3,271,123
270 : 3,252,781
3,266,124
271 : 3,248,517
3,249,414
3,269,819
3,273,988
273 : 3,245,771
274 : 3,273,988
275 : 3,256,080
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3,279,906
3,290,133
276 : 3,243,276
3,243,278
3,245,773
3,271,123
3,273,989
277 : 3,257,186
3,265,486
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278 : 3,268,318
280 : 3,227,539
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282 : 3,249,414
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283 : 3,249,414
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284 : 3,252,779
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285 : 3,248,517
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3,293,019
286 : 3,243,274

286 : 3,248,198
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287 : 3,249,415
3,249,416
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3,279,906
3,290,133
3,290,136
3,293,020
3,293,021
288 : 3,230,062
3,248,195
3,250,246
3,253,898
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3,278,288
289 : 3,248,200
3,281,227
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3,281,232
290 : 3,233,998
3,235,350
3,248,195
3,284,183
291 : 3,230,062
3,233,996
3,235,350
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3,248,195
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3,248,199
3,248,201
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3,269,822
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292 : 3,243,278
3,257,184
295 : 3,245,773
3,265,486
296 : 3,257,186
3,258,321
3,271,123
3,293,018
300 : 3,252,782
3,272,612
301 : 3,272,612
302 : 3,236,619
3,245,770
3,254,979
3,275,429
303 : 3,230,063
3,240,582
305 : 3,243,276
306 : 3,251,668
3,252,781
3,264,080
3,271,126
3,272,612
307 : 3,233,999
3,251,668
3,272,612
3,278,285
3,281,228
308 : 3,244,497
310 : 3,291,588
311 : 3,291,588
312 : 3,241,656
314 : 3,273,991
315 : 3,258,321
317 : 3,268,319
3,291,588
318 : 3,273,991
319 : 3,244,497
3,258,324
3,273,991
3,291,588
320 : 3,251,672
322 : 3,281,228
323 : 3,233,999
3,248,204
3,251,673
3,290,135
324 : 3,244,493
3,271,125
3,272,609
325 : 3,256,081
3,268,313
3,269,821
3,285,720
326 : 3,230,060
3,239,325
3,256,081
3,266,881
3,268,321
3,293,017
327 : 3,227,537
3,232,730
3,244,495
3,244,496
3,248,206
329 : 3,266,881
3,268,313

330 : 3,231,357
332 : 3,264,077
333 : 3,271,125
334 : 3,230,063
3,231,356
3,271,125
3,287,098
335 : 3,228,072
3,235,351
3,244,494
3,245,769
3,248,191
3,251,667
3,256,004
3,259,325
3,260,587
3,264,076
3,265,485
3,271,126
336 : 3,285,720
337 : 3,237,929
3,238,033
3,241,940
3,248,203
3,251,669
3,265,485
3,269,820
3,272,609
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338 : 3,231,350
339 : 3,232,731
3,285,720
341 : 3,248,205
3,260,587
342 : 3,241,940
3,244,498
345 : 3,261,677
3,288,451
346 : 3,231,357
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3,236,618
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3,244,493
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3,265,485
3,269,820
3,285,725
3,290,134
3,290,902
347 : 3,231,357
3,244,495
3,244,496
3,248,191
3,248,203
3,248,205
3,256,004
3,261,677
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348 : 3,231,351
3,231,353
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3,293,022
3,293,027
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3,293,046
349 : 3,283,046
350 : 3,259,480
3,293,015
351 : 3,256,078
3,259,481
3,293,015
355 : 3,236,620
3,243,277
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3,285,726
3,287,098
3,295,843
356 : 3,231,351
3,236,619
3,244,495
3,244,496
3,290,902

Class 66

1 : 3,258,940
9 : 3,241,337
3,257,828
19 : 3,256,714
24 : 3,274,805
29 : 3,252,305
43 : 3,246,486
46 : 3,274,804
49 : 3,292,392
50 : 3,226,953
3,240,032
3,283,540
3,292,392
54 : 3,243,974
3,243,975
3,254,509
3,290,902
55 : 3,232,079
3,243,975
56 : 3,269,216
3,272,294
57 : 3,270,527
64 : 3,283,541
70 : 3,247,687
79 : 3,290,902
82 : 3,248,901
85 : 3,274,805
86 : 3,253,428
89 : 3,287,936
3,292,395
101 : 3,252,306
105 : 3,290,902
107 : 3,230,742
108 : 3,254,509
3,260,072
3,270,527
3,273,359
115 : 3,237,430
116 : 3,261,376
117 : 3,276,104
121 : 3,253,427
125 : 3,243,975
3,256,715
3,270,527
3,290,902
126 : 3,280,853
132 : 3,226,955
3,243,091
3,280,853
133 : 3,256,715
134 : 3,234,761
136 : 3,263,454
137 : 3,274,801
140 : 3,257,829
145 : 3,232,079
3,246,489
3,252,307
3,265,316
3,283,544
146 : 3,250,092
3,263,454
3,271,979

147 : 3,254,820
149 : 3,263,454
3,277,672
154 : 3,229,482
3,245,231
3,246,487
3,260,073
3,262,285
3,262,286
3,263,453
3,274,802
3,283,541
3,287,936
3,289,437
3,290,898
3,292,392
3,292,393
163 : 3,228,213
3,246,091
3,257,518
3,271,979
169 : 3,226,958
3,238,746
3,247,684
3,252,306
3,260,640
3,270,526
3,286,490
3,287,938
170 : 3,242,554
3,252,176
3,258,940
171 : 3,289,329
172 : 3,228,211
3,237,431
3,258,941
3,258,942
3,274,804
3,286,490
173 : 3,254,509
176 : 3,287,937
3,290,694
177 : 3,241,340
3,287,938
178 : 3,236,069
3,238,746
3,241,340
3,247,684
3,250,092
3,287,938
3,290,904
14 : 3,253,435
15 : 3,231,908
3,240,037
3,255,617
3,280,602
16 : 3,238,750
3,267,702
3,277,540
3,280,441
3,283,545
3,287,937
191 : 3,226,952
3,230,917
3,254,510
3,280,594
192 : 3,236,241
193 : D206,367
194 : 3,250,095
3,274,804
195 : 3,255,615
202 : 3,238,747
3,242,554
3,242,698
3,250,095
3,252,176
3,255,030
3,256,130
3,259,151
3,262,288
3,270,526
3,282,071
3,283,389

Class 67

7 : 3,243,631
.1 : 3,228,435
.1 : 3,254,791
.1 : 3,265,101
.1 : 3,265,102
.1 : 3,282,307
.1 : 3,295,567
10.1 : 3,236,283
19 : 3,243,631
20.1 : 3,275,060
21 : 3,261,346
3,285,694
3,292,608
22 : 3,246,963
.5 : 3,287,484
23 : 3,242,526
3,244,872

31 : 3,235,816
3,262,070
3,262,071
3,267,272
3,271,696
55 : 3,260,075
70 : 3,279,524
3,290,907
78 : 3,237,678
81 : 3,290,907
101 : 3,240,036

Class 68

1 : 3,295,689
3 : 3,249,215
3,277,042
3,292,397
4 : 3,254,514
5 : 3,234,571
3,237,316
3,239,947
3,260,000
3,262,146
3,262,218
3,263,458
3,264,752
3,289,440
6 : 3,285,041
8 : 3,270,429
9 : 3,247,663
3,247,664
3,258,124
3,279,225
12 : 3,231,909
3,234,571
3,234,660
3,239,845
3,246,493
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3,279,481
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13 : 3,226,842
3,269,539
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3,297,397
15 : 3,231,908
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16 : 3,238,750
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3,269,156
3,280,441
17 : 3,233,794
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3,248,914
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3,258,792
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3,270,529
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18 : 3,228,525
3,231,324
3,234,660
3,236,073
3,236,386
3,240,345
3,244,407
3,246,494
3,248,801
3,248,912
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3,250,396
3,252,309
3,253,431
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3,262,146
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3,266,273
3,268,923
3,269,539
3,270,761
3,274,755
3,282,072
3,290,908
3,295,689
.1 : 3,277,907
19 : 3,231,909
3,233,434
3,247,690
20 : 3,226,842
3,242,030
3,257,739
3,261,185
3,262,218

20 : 3,267,701
22 : 3,235,932
3,241,343
3,260,078
3,270,532
23 : 3,226,959
3,233,436
3,243,021
3,245,505
3,246,837
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3,249,215
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3,260,077
3,263,814
3,266,274
3,268,082
3,269,544
3,272,935
3,278,037
3,279,223
3,280,983
3,285,419
24 : 3,230,748
3,234,571
3,235,082
3,246,491
3,246,492
3,248,908
3,252,579
3,253,710
3,256,720
3,258,124
3,268,791
3,273,361
3,275,146
3,275,152
3,276,229
3,283,547
3,286,490
3,283,600
3,285,419
3,295,649
27 : 3,237,773
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3,292,397
28 : 3,276,228
38 : 3,276,228
40 : 3,253,432
43 : 3,241,343
3,263,458
3,269,156
3,280,441
44 : 3,250,099
3,292,397
54 : 3,233,436
57 : 3,276,228
58 : 3,229,701
3,247,690
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3,267,701
3,270,529
62 : 3,271,102
92 : 3,253,432
124 : 3,277,908
131 : 3,245,235
3,252,310
3,279,224
132 : 3,277,675
133 : 3,242,703
3,264,847
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135 : 3,269,152
139 : 3,231,908
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3,240,382
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3,277,675
140 : 3,230,746
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Class 68 —Con.
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Class 69
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Class 70
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59 : 3,230,070
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61 : 3,232,703
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62 : 3,232,738
62 : 3,234,003
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63 : 3,232,738
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3,290,158
3,290,821
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3,292,995

Class 72
7 : 3,262,191
9 : 3,248,621
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10 : 3,238,711
3,287,672
11 : 3,236,079
12 : 3,245,241
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3,290,912
13 : 3,266,351
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15 : 3,251,207
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20 : 3,286,495
21 : 3,232,084
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22 : 3,282,079
23 : 3,262,191
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26 : 3,280,613
27 : 3,251,208
28 : 3,258,946
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32 : 3,276,235
34 : 3,229,621
35 : 3,246,496
35 : 3,282,074
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38 : 3,238,757
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39 : 3,234,770
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42 : 3,242,075
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64 : 3,254,682
66 : 3,279,506
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74 : 3,274,812
77 : 3,277,688
78 : 3,273,366
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81 : 3,285,046
82 : 3,264,719
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84 : 3,255,518
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88 : 3,246,556
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126 : 3,247,695
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133 : 3,273,364
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135 : 3,258,955
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171 : 3,255,785
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173 : 3,269,162
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175 : 3,238,754
176 : 3,262,624
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181 : 3,270,541
183 : 3,282,304
185 : 3,239,912
186 : 3,286,497
187 : 3,267,499
189 : 3,229,494
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190 : 3,254,520
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Class 74 —Con.

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Class 75

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82 : Re.26,042
3,231,593
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83 : 3,231,593
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84 : 3,231,593
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.4 : 3,234,007
.4 : 3,269,830
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.5 : 3,254,945
.5 : 3,291,597
.5 : 3,295,921
86 : 3,245,779
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3,271,021
3,271,131
3,273,995
87 : 3,245,779
88 : 3,262,771
3,271,131
3,271,134
3,273,995
89 : 3,238,038
3,238,039
3,251,684

89 : 3,254,988
3,257,199
3,262,771
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90 : 3,231,366
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91 : 3,251,684
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92 : 3,253,906
93 : Re.26,042
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94 : 3,245,721
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96 : 3,236,636
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97 : 3,231,593
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98 : 3,284,350
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117 : 3,232,742
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122 : 3,241,952
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124 : 3,230,074
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3,290,185
3,291,655
125 : 3,243,288
3,249,427
3,278,346
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126 : 3,227,544
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3,271,139
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3,282,658
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128 : 3,235,415
3,235,417
3,243,287
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129 : 3,241,919
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129 : 3,278,294
3,282,679
130 : 3,231,368
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.5 : 3,260,591
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3,292,255
135 : Re.26,042
3,252,823
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3,256,087
3,260,591
3,264,093
3,268,326
3,269,825
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3,282,690
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138 : 3,227,644
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3,262,762
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140 : 3,282,688
141 : 3,287,185
142 : 3,259,973
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3,291,654
143 : 3,285,717
144 : 3,291,642
145 : 3,288,601
146 : 3,227,644
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148 : 3,234,054
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149 : 3,239,783
150 : 3,264,147
3,272,625
151 : 3,285,470
152 : 3,250,609
3,264,093
3,295,963
153 : 3,246,979
3,253,910
3,253,911
3,254,255
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154 : 3,240,592
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3,293,029
157.5 : 3,234,014
.5 : 3,253,910
159 : 3,234,014
159 : 3,252,793
161 : 3,230,078
3,234,014
3,253,911
162 : 3,252,793
3,253,911
3,258,334
163 : 3,253,910
165 : 3,238,040
3,254,279
3,271,635
166 : 3,285,019
3,287,165
3,296,028
167 : 3,259,490
3,265,492
3,287,165
168 : 3,265,492
3,290,742
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169 : 3,229,361
3,263,111
170 : 3,233,134
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3,264,100
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3,290,526
171 : 3,228,095
3,228,994
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3,243,287
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3,269,834
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3,283,377
3,287,110
172 : 3,233,993
3,238,700
3,248,190
3,276,113
3,277,150
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3,296,038
175 : 3,241,011
3,244,557
.5 : 3,248,679
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.5 : 3,259,971
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.5 : 3,266,951
.5 : 3,268,373
.5 : 3,269,825
.5 : 3,271,200
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3,262,779
3,263,114
3,265,491
3,269,825
3,272,603
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3,292,255
177 : 3,243,350
3,253,191
3,266,950
3,269,825
3,271,205
3,271,265
3,278,344
177 : 3,281,736
178 : 3,254,993
3,265,492
200 : 3,232,754
3,241,956
3,250,892
3,265,521
3,268,330
3,271,141
3,278,279
3,278,280
3,285,714
3,290,124
3,290,145
3,291,869
3,295,934
207 : 3,236,699
3,275,435
3,278,281
3,284,230
3,284,657
3,290,543
208 : 3,226,814
3,227,591
3,230,618
3,232,752
3,235,959
3,236,700
3,241,298
3,243,292
3,249,410
3,255,522
3,259,562
3,262,190
3,264,073
3,269,871
3,270,409
3,275,426
3,276,103
3,276,867
3,285,714
3,288,645
3,290,124
3,290,145
3,291,642
211 : 3,231,649
3,246,982
3,251,684
3,264,101
3,265,521
212 : 3,247,297
212 : 3,250,838
3,260,576
3,264,073
3,275,435
3,290,144
3,290,608
3,232,753
214 : 3,227,591
3,235,958
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3,243,292
3,245,782
3,249,410
3,250,838
3,260,595
3,260,596
3,268,368
3,269,826
3,275,435
3,276,111
3,278,280
3,279,916
3,284,195
3,288,571
3,291,642
3,293,006
221 : 3,241,956
3,242,664
3,256,088
3,260,595
3,264,101
3,265,495
3,276,111
3,293,006
222 : 3,228,074
3,230,618
3,232,754
3,235,959
3,264,101
3,268,997
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3,290,124
223 : 3,264,101
3,284,195
224 : 3,230,286
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3,251,684
3,265,521
3,268,368
225 : 3,264,102
3,271,141
3,278,301
3,279,916
226 : 3,256,088
3,258,514
3,264,222
3,268,368
3,269,804
3,270,409
3,276,867
3,278,279
3,290,145

Class 76

5 : 3,242,712
24 : 3,290,917
37 : 3,260,287
3,269,431
82 : 3,227,008
.2 : 3,229,426
.2 : 3,290,964
101 : 3,257,688
3,289,497
3,290,917
103 : 3,234,981
107 : 3,226,800
3,228,275
3,228,650
3,240,914
3,244,489
3,254,600
3,257,688
3,266,105
3,280,682
3,281,343
3,289,516
3,295,354
108 : 3,241,426
3,265,343
3,276,820
112 : 3,241,228
3,276,491
3,295,396
114 : 3,290,918

Class 77

1 : 3,264,873
3,264,905
3,292,267
2 : 3,228,268
3,230,834
3 : 3,227,047
3,232,141

Class 77 —Con.

3 : 3,260,162
3,289,501
4 : 3,232,143
3,232,171
3,259,023
3,260,140
3,288,032
5 : Re.25,956
3,230,836
3,238,624
3,243,876
3,244,031
3,248,951
3,279,045
3,295,413
.2 : 3,241,402
6 : 3,244,031
7 : 3,234,977
3,242,998
3,248,973
3,248,974
3,260,138
3,285,102
13 : 3,252,475
3,278,957
22 : 3,246,544
3,264,906
3,286,595
3,288,182
23 : 3,279,268
24 : 3,260,137
3,290,966
25 : 3,263,300
3,270,590
28 : 3,232,171
31 : 3,232,171
3,234,977
3,262,340
3,276,329
32 : 3,250,153
3,258,997
3,267,814
3,289,500
.1 : 3,255,635
.1 : 3,264,906
.1 : 3,293,442
.2 : 3,247,586
.2 : 3,267,772
.7 : 3,244,029
.7 : 3,247,912
.7 : 3,254,543
.7 : 3,259,023
.7 : 3,273,182
.8 : 3,283,664
33.1 : 3,244,031
.1 : 3,251,250
.3 : 3,286,594
.5 : 3,238,821
.5 : 3,243,960
.5 : 3,266,580
.5 : 3,277,748
.8 : 3,269,221
34.2 : 3,254,543
.2 : 3,257,909
.5 : 3,228,284
.5 : 3,246,546
.5 : 3,254,552
.5 : 3,259,002
.7 : 3,267,814
36 : 3,263,571
37 : 3,237,638
3,240,227
3,252,475
3,277,683
38 : 3,229,711
42 : 3,229,704
3,240,226
3,272,211
55 : 3,229,427
3,241,402
3,246,546
3,249,954
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3,274,892
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3,287,996
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3,292,494
57 : 3,289,499
58 : 3,230,798
3,230,833
3,237,487
3,238,600
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3,252,202
3,261,245
3,262,184
3,263,570
3,276,101
3,277,753
3,283,394
58 : 3,283,405
3,283,626
3,286,556
3,286,557
3,289,273
3,292,237
3,292,238
3,295,187
59 : 3,248,973
3,261,235
60 : 3,237,955
3,240,503
3,251,605
3,256,043
62 : 3,244,205
3,245,678
3,257,896
3,264,941
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63 : 3,228,266
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3,245,441
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64 : 3,273,907
3,280,660
65 : 3,234,573
66 : 3,233,260
3,244,033
67 : 3,238,836
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3,263,958
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3,292,237
68 : 3,229,427
3,287,996
69 : 3,227,010
3,265,104
3,266,199
3,267,975
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3,295,398
70 : 3,274,863
71 : 3,256,761
3,265,343
72 : 3,292,237
73 : Re.26,039
.5 : 3,234,573
.5 : 3,244,033
.5 : 3,276,293
77 : 3,286,573
3,292,494

Class 78

18 : 3,237,532
21 : 3,232,284
60 : 3,237,532

Class 79

2 : 3,290,744
94 : 3,285,841

Class 80

5 : 3,229,412
22 : 3,277,684
32 : 3,275,918
34 : 3,226,814
35 : 3,237,071
43 : 3,238,374
59 : 3,226,814
3,227,537

Class 81

1 : 3,237,706
3 : 3,239,796
3,249,993
3,259,967
3,260,544
3,278,215
.1 : 3,274,864
.1 : 3,286,874
.2 : 3,237,289
.3 : 3,241,406
.3 : 3,257,872
.33: 3,237,289
.34: D205,407
.34: D205,408
.34: D205,409
.34: 3,251,125
.34: 3,262,247
.35: 3,257,991
.4 : 3,247,742
.4 : 3,262,247
.42: 3,240,086
.42: 3,267,565
.46: D205,370
3.46: 3,289,289
.49: 3,259,130
5.1 : 3,239,901
.1 : 3,241,814
.1 : 3,244,201
.1 : 3,249,104
.1 : 3,252,221
.1 : 3,254,649
.1 : 3,261,238
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.1 : 3,282,589
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8.1 : 3,264,722
.1 : 3,289,286
9.1 : 3,232,217
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.3 : 3,261,062
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.5 : 3,237,300
.5 : 3,239,855
.5 : 3,253,286
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.51: 3,237,828
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.51: 3,239,924
.51: 3,263,316
.51: 3,267,556
.51: 3,283,398
13 : 3,290,763
15 : 3,235,651
3,235,832
19 : 3,241,055
43 : 3,253,327
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3,259,415
3,261,238
3,261,357
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3,282,137
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52.35: 3,257,713
.35: 3,279,016
.4 : 3,233,429
.4 : 3,243,024
.4 : 3,272,002
.4 : 3,274,827
.4 : 3,288,258
.4 : 3,292,678
.5 : 3,237,507
53 : D204,316
3,254,690
3,259,162
3,279,047
3,289,001
3,289,282
55 : 3,263,320
3,277,749
57 : 3,247,837
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58 : 3,288,002
.1 : 3,258,998
.1 : 3,272,037
.1 : 3,283,621
.3 : 3,267,776
.3 : 3,272,246
.3 : 3,289,290
61 : 3,286,560
62 : 3,256,966
63 : 3,265,171
3,276,295
.2 : 3,269,496
71 : 3,235,951
72 : 3,276,494
3,279,510
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73 : 3,267,775
90 : 3,230,783
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.3 : 3,289,289
98 : 3,292,465
101 : 3,280,670
110 : 3,241,410
111 : 3,285,105
119 : 3,250,552
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120 : 3,231,955
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125 : 3,244,208
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125 : 3,274,864
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127 : 3,283,624
129 : 3,251,251
130 : 3,232,148
134 : 3,282,136
141 : 3,257,878
143 : 3,257,878
145 : 3,232,150
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147 : 3,241,410
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152 : 3,230,595
155 : 3,280,668
156 : 3,261,479
163 : 3,261,479
165 : 3,253,486
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177 : 3,253,486
3,253,626
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3,280,667
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.8 : 3,290,970
179 : 3,241,409
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180 : 3,238,823
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185 : 3,262,338
186 : 3,238,823
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301 : 3,255,525
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3,269,223
302 : 3,233,313
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304 : 3,252,316
308 : 3,263,535
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309 : 3,257,874
314 : 3,253,487
324 : 3,283,404
334 : 3,276,300
338 : 3,269,229
341 : 3,271,847
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342 : 3,243,880
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343 : 3,253,487
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3,261,243
344 : 3,243,880
355 : 3,232,150
358 : 3,290,970
361 : 3,238,763
362 : 3,230,758
367 : 3,234,497
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369 : 3,261,243
370 : 3,253,850
376 : 3,285,107
377 : 3,285,107
380 : 3,262,343
383.5 : 3,259,965
.5 : 3,273,238
391 : 3,232,150
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394 : 3,269,229
408 : 3,232,152
417 : 3,241,814
418 : 3,261,238
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424 : 3,263,535
425 : 3,281,179
428 : 3,242,560
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Class 82

2 : 3,273,293
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.5 : 3,260,124
.6 : 3,235,016
.7 : 3,226,886
.7 : 3,239,969
2.7 : 3,266,348
3 : 3,230,804
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4 : 3,232,145
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.3 : 3,242,566
5 : 3,244,037
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8 : 3,256,754
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11 : 3,245,441
14 : 3,262,647
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21 : 3,237,312
24 : 3,262,345
29.1 : 3,273,182
30 : 3,235,158
32 : 3,264,905
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34 : 3,232,143
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36 : 3,252,202
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47 : 3,232,009
52 : 3,259,729
55 : 3,248,122
63 : 3,242,566
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.2 : 3,242,566
100 : 3,228,284
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911 : 3,260,137

Class 83

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4 : 3,277,846
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5 : 3,293,355
6 : 3,253,756
7 : 3,244,337
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9 : 3,245,360
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12 : 3,232,504
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13 : 3,244,489
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14 : 3,243,876
15 : 3,247,589
16 : 3,227,855
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17 : 3,253,333
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78 : 3,248,847
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88 : 3,228,273
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89 : 3,267,782
90 : 3,273,725
92 : 3,272,242
94 : 3,272,044
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95 : 3,263,882
98 : 3,227,017
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Class 83 —Con.

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.5 : 3,263,826
.5 : 3,264,919
649 : 3,236,427
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650 : 3,245,297
657 : 3,263,547
658 : 3,227,024
3,234,593
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659 : 3,263,540
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660 : 3,232,246
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661 : 3,234,836
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662 : 3,263,669
663 : 3,279,398
664 : 3,253,491
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665 : 3,253,491
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3,279,296
669 : 3,257,885
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670 : 3,283,635
671 : 3,242,785
672 : 3,228,274
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674 : 3,233,491
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676 : 3,274,956
677 : 3,245,360
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678 : 3,248,987
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679 : 3,269,239
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684 : 3,234,593
685 : 3,232,158
3,234,840
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3,253,493
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686 : 3,232,527
3,238,605
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3,251,130
3,277,762
687 : 3,228,275
3,250,166
3,273,438
688 : 3,227,026
689 : 3,232,527
690 : 3,273,438
691 : 3,248,977
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694 : 3,227,024
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695 : 3,255,648
3,255,649
696 : 3,277,763
3,295,354
697 : 3,232,527
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698 : 3,227,020
3,227,022
3,227,024
3,229,559
3,229,791
3,233,492
3,234,838
3,234,840
3,238,832
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3,245,296
3,245,694
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3,255,656
3,256,761
3,256,763
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699 : 3,230,806
3,230,809
3,233,943
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3,246,555
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3,248,988
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701 : 3,266,353
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906 : 3,245,300
911 : 3,244,045
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913 : 3,233,991
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915 : 3,230,805
.5 : 3,227,020
.5 : 3,233,965
.5 : 3,236,133
.5 : 3,261,600
.5 : 3,272,348
.5 : 3,286,575
916 : 3,263,545
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917 : 3,227,025
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922 : 3,237,494
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925 : 3,236,132
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3,232,158
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.3 : 3,241,414

Class 84

1 : 3,255,295
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.01: 3,235,648
.01: 3,247,310
.01: 3,251,924
.01: 3,255,295
.01: 3,255,296
.01: 3,256,381
.01: 3,259,683
.01: 3,260,855
.01: 3,288,909
.02: 3,250,847
.03: 3,250,168
.03: 3,250,847
.03: 3,254,336
.03: 3,270,119
.03: 3,272,907
.07: 3,278,671
.08: 3,227,799
.08: 3,240,857
.09: 3,229,022
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.13: 3,233,031
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.18: 3,258,519
.19: 3,233,031

1.19: 3,235,648
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.25: 3,249,678
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.25: 3,253,077
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.25: 3,267,198
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.26: 3,233,031
.26: 3,235,648
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.26: 3,243,494
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.26: 3,247,311
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.27: 3,229,022
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.27: 3,247,311
.27: 3,248,470
.27: 3,251,923
.27: 3,255,293
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.27: 3,267,196
.28: 3,250,844
.28: 3,257,493
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11 : 3,290,981
23 : 3,227,027
93 : 3,247,748
95 : 3,268,916
123 : 3,283,056
171 : 3,278,671
173 : 3,244,053
192 : 3,248,990
201 : 3,240,097
212 : 3,236,138
214 : 3,277,765
215 : 3,228,276
225 : 3,285,116
245 : 3,254,553
246 : 3,270,300
251 : 3,235,949
267 : 3,244,053
3,251,258
291 : 3,241,417
293 : 3,251,257
298 : 3,237,502
307 : 3,237,502
313 : 3,237,502
314 : 3,269,247
330 : 3,277,861
343 : 3,272,058
344 : 3,270,609
363 : 3,236,140
369 : 3,261,252

369 : 3,266,360
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376.2 : 3,267,790
404 : 3,229,021
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410 : 3,263,551
411 : 3,227,414
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417 : 3,250,169
3,264,927
418 : D206,134
422 : D206,134
3,290,979
423 : 3,229,560
3,247,351
3,253,352
425 : 3,227,027
443 : 3,227,027
3,247,351
456 : 3,230,614
457 : 3,273,530
462 : 3,277,245
464 : 3,234,847
3,292,861
467 : 3,227,446
473 : 3,277,245
484 : 3,230,785
3,271,670
495 : 3,281,974

Class 85

1 : 3,232,637
3,234,986
3,237,507
3,237,521
3,239,036
3,243,755
3,244,625
3,245,142
3,245,708
3,247,977
3,252,495
3,253,629
3,254,555
3,259,404
3,262,722
3,265,408
3,267,519
3,270,410
3,277,852
3,283,290
3,286,754
3,288,161
3,288,190
3,291,426
3,295,581
3,295,873
2.4 : 3,226,934
3 : 3,272,512
3,280,540
4 : 3,239,036
3,271,058
3,285,635
5 : 3,243,837
3,249,370
3,252,677
3,253,718
3,255,987
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3,269,600
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7 : 3,278,137
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8.1 : 3,268,260
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.3 : 3,255,654
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.8 : 3,232,088
.8 : 3,233,645
.8 : 3,233,930
.8 : 3,239,988
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.8 : 3,273,417
.8 : 3,289,726
9 : 3,237,202
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9 : 3,279,517
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3,288,192
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10 : 3,252,569
11 : 3,234,841
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13 : 3,233,730
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16 : 3,277,769
17 : 3,230,817
19 : 3,276,820
20 : 3,230,817
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21 : 3,236,142
3,246,439
23 : 3,244,055
26 : 3,276,309
28 : 3,240,101
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31 : 3,277,768
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32 : 3,229,374
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33 : 3,280,690
36 : 3,228,716
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3,292,479
37 : 3,241,421
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38 : 3,276,309
39 : 3,252,493
41 : 3,280,731
42 : 3,276,172
44 : 3,233,498
45 : 3,241,408
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3,295,572
46 : 3,234,986
3,247,877
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3,260,149
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47 : 3,233,500
3,239,710
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3,270,472
49 : 3,241,797
3,266,138

49 : 3,279,300
50 : 3,262,722
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51 : 3,276,181
53 : 3,260,149
54 : 3,237,917
61 : 3,238,731
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62 : 3,234,986
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63 : 3,284,116
67 : 3,238,799
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68 : 3,279,301
70 : 3,270,793
71 : 3,261,357
72 : 3,227,031
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73 : 3,227,029
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74 : 3,257,889
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75 : 3,227,031
77 : 3,244,801
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78 : 3,267,205
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79 : 3,243,933
3,274,744
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80 : 3,231,300
3,239,243
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3,272,952
81 : 3,266,364
3,269,602
82 : 3,232,161
3,262,168
3,279,643
3,283,641
83 : 3,238,731
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84 : 3,272,060
85 : 3,250,170
86 : 3,226,934
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87 : 3,257,891
3,266,364
3,277,770
88 : 3,236,144

Class 86

1 : 3,239,583
3,243,956
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3,252,369
3,263,613
3,267,858
3,278,356
3,282,146
20 : 3,250,829
3,256,814
3,291,049
23 : 3,240,104
3,256,815
3,282,147
3,283,643
24 : 3,266,075
25 : 3,227,085
3,242,790
29 : 3,229,561
3,253,496
31 : 3,266,531
36 : 3,283,425
38 : 3,283,425
3,292,293
45 : 3,240,103
3,253,496

Class 87

1 : 3,255,614
2 : 3,279,465

6 : 3,276,810
3,287,194
8 : 3,256,928
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9 : 3,275,740
57 : 3,276,310

Class 88

1 : D203,991
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3,227,535
3,228,109
3,229,101
3,229,106
3,229,223
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3,229,562
3,229,576
3,229,577
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3,230,474
3,230,627
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3,234,542
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1 : 3,252,158
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3,267,794 .5
3,267,800 .5
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3,268,185 .5
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3,268,735 2.2
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1 : 3,286,585
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14 : 3,244,895
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14 : 3,291,906
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.8 : 3,267,943
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22.5 : 3,241,595
.5 : 3,266,313
.5 : 3,272,013
.5 : 3,282,100
23 : 3,237,509
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24 : Re.26,031
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3,230,629
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26 : 3,229,573
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24 : 3,264,467
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3,239,955

28 : 3,258,867
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.9 : 3,241,429
.9 : 3,248,165
.9 : 3,251,264
.9 : 3,260,156
.9 : 3,269,794
.9 : 3,270,451
.9 : 3,279,314
.9 : 3,292,491
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.91: 3,255,988
.91: 3,273,455
.92: 3,237,517
.93: 3,257,900
29 : 3,241,429
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31 : 3,274,884
32 : 3,230,627
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33 : 3,251,262
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34 : 3,287,760
35 : 3,250,176
36 : 3,257,728
3,262,210
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38 : 3,229,562
39 : 3,229,570
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3,260,154
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3,292,490
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3,292,490
41 : 3,228,696
47 : 3,228,696
3,229,303
54 : 3,296,005
57 : 3,227,035
3,228,741
3,228,915
3,229,576
3,229,579
3,230,474
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3,237,515
3,237,518
3,238,470
3,240,107
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3,241,085

Class 88 —Con.

57 : 3,242,806
3,244,885
3,246,561
3,247,760
3,251,219
3,253,505
3,254,556
3,255,451
3,255,453
3,257,904
3,259,012
3,261,260
3,262,359
3,262,360
3,263,079
3,263,852
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3,267,828
3,271,575
3,274,392
3,274,884
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3,278,752
3,279,309
3,280,087
3,280,700
3,283,124
3,283,231
3,283,262
3,285,126
3,285,127
3,287,728
3,293,357
.5 : 3,238,031
60 : 3,226,903
3,257,486
61 : 3,227,034
3,227,036
3,229,098
3,229,106
3,229,223
3,229,273
3,230,474
3,230,820
3,231,742
3,233,108
3,234,390
3,235,738
3,236,651
3,239,670
3,239,671
3,239,753
3,242,343
3,242,344
3,242,440
3,242,796
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3,246,159
3,251,940
3,252,000
3,252,318
3,253,086
3,255,371
3,256,443
3,256,769
3,256,771
3,258,336
3,258,717
3,260,798
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3,266,033
3,267,284
3,267,360
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3,270,291
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3,271,695
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3,272,103
3,272,107
3,272,988
3,275,748
3,275,831
3,277,300
3,277,392
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3,282,160
3,283,164
3,283,656
3,284,632
61 : 3,284,661
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3 284,803
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3,290,436
3,290,503
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3,292,171
3,293,565
3,295,214
65 : 3,227,034
3,228,290
3,229,223
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3,230,820
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3,245,315
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3,266,370
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3,274,881
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3,283,164
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3,290,985
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3,291,331
3,296,482
68 : 3,256,387
69 : 3,229,562
3,246,564
3,278,680
3,290,985
70 : 3,229,580
71 : 3,285,122
72 : 3,229,576
3,256,875
3,269,253
3,273,458
73 : 3,229,579
3,248,165
3,254,207
3,256,769
3,261,016
3,263,561
74 : 3,234,844
3,242,806
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3,250,177
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3,264,929
3,266,313
3,267,794
3,272,013
3,289,205
75 : 3,235,263
3,290,814
76 : 3,240,113
78 : 3,247,005
3,267,805
79 : 3,240,132
3,247,005
3,252,376
3,253,570
3,253,971
3,256,853
3,277,800
3,288,618
3,292,569
81 : 3,276,416
82 : 3,237,331
3,247,005
3,249,947
3,253,146
3,269,839
3,286,604
82 : 3,292,029
3,292,507
84 : 3 251,984
3,286,259
3,295,512
85 : 3,276,731
3,282,156
86 : 3,252,377
3,280,700
88.1 : 3,293,331
92 : 3,246,564
3,282,156
93 : 3,241,253
3,247,722
3,251,238
3,252,377
3,261,226
3,265,878
3,277,678
3,283,607
3,286,545
94 : 3,273,891
97 : 3,237,898
3,273,891
3,282,156
3,285,127
98 : 3,228,643
3,235,294
3,238,800
3,245,283
3,252,377
3,253,481
3,253,509
3,259,349
3,260,490
3,279,735
3,282,549
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3,286,545
105 : 3,247,383
3,254,556
3,267,806
3,279,316
3,279,317
3,280,701
106 : 3,228,292
3,235,397
3,236,651
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3,244,524
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3,269,267
3,269,847
3,270,639
3,271,578
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3,272,986
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3,278,319
3,278,449
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107 : 3,243,721
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107 : 3,236,290
3,279,311
111 : 3,227,044
3,250,174
3,255,666
3,260,152
3,269,255
3,270,613
112 : 3,227,035
3,243,595
3,266,370
3,267,808
3,279,317
113 : 3,236,579
3,247,763
3,260,152
3,266,370
3,270,638
130 : 3,228,696
614 : 3,272,917

Class 89

1 : 3,230,885
3,233,415
3,238,873
3,242,862
3,242,939
3,242,987
3,254,555
3,262,351
3,263,489
3,265,408
3,265,598
3,266,833
3,270,618
3,274,936
3,277,255
3,277,766
3,279,193
3,285,400
.5 : 3,228,297
.5 : 3,229,632
.5 : 3,230,349
.5 : 3,240,200
.5 : 3,242,666
.5 : 3,261,261
.5 : 3,263,035
.5 : 3,264,451
.5 : 3,264,985
.5 : 3,266,833
.5 : 3,266,834
.5 : 3,267,257
.5 : 3,291,046
.7 : 3,228,192
.7 : 3,233,548
.7 : 3,236,153
.7 : 3,242,593
.7 : 3,245,350
.7 : 3,251,301
.7 : 3,252,281
.7 : 3,260,205
.7 : 3,266,423
.7 : 3,267,854
.7 : 3,268,009
.7 : 3,274,348
.7 : 3,276,150
.7 : 3,276,317
.7 : 3,282,538
.7 : 3,284,888
.701 3,279,319
.8 : 3,286,947
.813 3,263,564
.818 3,295,411
7 : 3,283,657
8 : 3,267,853
12 : 3,263,565
17 : 3,283,435
24 : 3,276,378
28 : 3,232,168
33 : 3,250,360
3,262,367
35 : 3,263,565
36 : 3,243,898
3,288,029
37 : 3,235,997
3,276,320
40 : 3,232,168
3,235,280
3,242,813
3,242,814
41 : 3,236,153
3,276,319
3,280,243
7 : 3,260,478
42 : 3,255,668
45 : 3,228,293
3,228,295
3,245,317
3,249,011
3,276,318
3,276,322
47 : 3,280,702
126 : 3,262,367
3,263,565
131 : 3,236,154
132 : 3,283,435
135 : 3,241,445
3,263,565
142 : 3,236,154
149 : 3,251,268
156 : 3,263,565
161 : 3,282,163
164 : 3,277,786
177 : 3,255,668
179 : 3,282,165
190 : 3,237,522
3,277,786
3,289,535
191 : 3,227,045
3,242,816
191 : 3,273,460
196 : 3,252,237
198 : 3,240,121
3,251,270
3,283,435

Class 90

1 : 3,229,585
3,241,380
4 : 3,237,287
3,267,344
6 : 3,267,554
10 : 3,288,699
11 : 3,228,706
3,230,614
3,236,124
3,240,503
3,244,028
3,246,496
3,257,906
3,258,996
3,264,128
3,271,848
3,274,890
3,285,101
3,287,798
3,295,190
.42: 3,243,923
.62: 3,283,661
.62: 3,295,416
12 : 3,228,268
3,235,041
3,289,499
3,292,493
.5 : 3,286,552
.5 : 3,286,553
13 : 3,229,099
3,232,141
3,237,486
3,242,772
3,254,454
3,267,251
3,269,233
3,280,659
3,280,950
3,290,994
3,293,651
3,295,570
.05: 3,245,149
.1 : 3,252,363
.1 : 3,264,889
.1 : 3,269,016
.3 : 3,263,512
.5 : 3,230,810
.5 : 3,238,621
.5 : 3,238,622
.5 : 3,259,002
.5 : 3,269,013
.5 : 3,281,047
.5 : 3,285,137
.6 : 3,289,537
.8 : 3,246,129
.9 : 3,239,967
.9 : 3,273,182
.99: 3,238,430
.99: 3,277,288
.99: 3,293,417
14 : 3,232,171
3,295,415
15 : 3,230,832
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3,282,138
16 : 3,259,020
3,264,905
17 : 3,232,141
3,291,166
18 : 3,262,368
19 : 3,255,790
21 : 3,232,171
3,243,178
3,247,980
.5 : 3,229,373
24 : 3,227,014
38 : 3,229,586
3,277,554
43 : 3,259,928
48 : 3,247,733
56 : 3,251,592
58 : 3,228,266
3,249,191
3,258,776
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3,270,591
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62 : 3,227,018
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3,235,222
3,237,491
3,237,492
3,245,321
3,255,791
62 : 3,259,021
3,262,370
3,267,777
3,269,020
3,270,619
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3,279,288
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3,289,716
3,290,994
3,292,495
64 : 3,247,580
3,259,019
66 : 3,289,228
69 : 3,259,729
70 : 3,289,228
86 : 3,289,228
89 : 3,251,592
163 : 3,241,450
568 : 3,241,345

Class 91

1 : 3,228,199
3,232,175
3,236,489
3,248,885
3,252,835
3,277,791
3,280,549
3,285,015
3,286,600
2 : 3,236,489
3,259,025
3 : 3,234,934
3,243,993
3,263,429
3,266,376
3,268,186
3,270,508
3,282,283
3,286,719
6 : 3,270,626
3,274,779
3,282,049
7 : 3,240,161
16 : 3,274,779
25 : 3,232,176
3,269,416
29 : Re.25,969
3,279,484
31 : 3,248,931
3,255,587
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35 : 3,262,374
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36 : 3,256,692
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37 : 3,238,621
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3,255,672
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39 : 3,273,579
40 : 3,229,775
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3,273,425
41 : 3,227,048
3,230,714
3,233,410
43 : 3,238,847
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44 : 3,230,714
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45 : 3,238,847
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3,249,018
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3,283,668
46 : 3,269,232
47 : Re.26,028
3,233,689
3,234,857
3,248,931
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3,274,779
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3,279,604
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48 : 3,266,239
3,279,483
3,283,667
49 : 3,232,053
3,233,628
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50 : 3,227,049
50 : 3,233,628
3,236,157
51 : 3,227,049
3,251,274
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3,289,548
52 : 3,245,424
3,251,274
3,253,514
3,277,791
56 : 3,260,135
3,261,235
57 : 3,231,259
58 : 3,234,856
3,240,017
3,258,022
59 : 3,240,474
61 : 3,260,376
73 : 3,241,456
75 : 3,241,463
76 : 3,279,485
78 : 3,289,476
80 : 3,276,082
87 : 3,246,528
3,277,792
3,287,909
90 : 3,270,507
94 : 3,276,382
106 : 3,241,456
112 : 3,246,573
121 : 3,241,457
3,295,262
124 : 3,252,284
130 : 3,230,715
136 : 3,241,457
137 : 3,229,775
138 : 3,230,715
3,241,457
140 : 3,279,325
3,280,934
141 : 3,286,646
146 : 3,232,041
151 : 3,254,605
165 : 3,248,931
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167 : 3,229,588
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171 : 3,262,740
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173 : 3,279,755
3,289,544
175 : 3,253,410
176 : 3,240,041
179 : 3,274,901
180 : 3,246,575
3,272,079
3,283,668
3,285,184
183 : 3,230,838
3,238,956
3,269,272
86 : 3,242,822
3,261,266
3,267,816
3,274,895
189 : 3,228,300
3,232,053
3,232,174
3,240,008
3,244,078
3,259,024
3,264,945
3,266,239
3,270,621
3,272,084
3,282,452
198 : 3,234,889
199 : 3,232,056
3,256,782
202 : 3,249,060
3,267,675

202 : 3,279,445
204 : 3,279,445
205 : 3,241,463
3,270,723
3,279,389
210 : 3,255,861
216 : 3,240,124
3,273,466
217 : 3,242,822
3,263,572
218 : 3,228,301
219 : 3,268,271
220 : 3,278,103
3,278,104
3,278,105
221 : 3,229,775
3,257,913
222 : 3,254,571
224 : 3,230,711
3,233,426
3,256,826
3,257,910
229 : 3,233,628
3,268,122
3,279,326
233 : 3,274,901
234 : Re.26,038
3,241,239
235 : 3,257,910
247 : 3,270,822
251 : 3,273,425
257 : 3,274,901
265 : 3,236,156
3,274,901
266 : 3,274,901
272 : 3,274,781
273 : 3,285,138
275 : 3,234,882
3,234,883
3,253,514
277 : 3,236,157
279 : 3,246,358
3,269,397
283 : 3,232,172
286 : 3,236,441
3,253,514
303 : 3,230,839
304 : 3,256,827
305 : 3,256,826
306 : 3,282,294
3,283,667
307 : 3,226,858
3,282,294
3,283,667
308 : 3,272,081
309 : 3,226,858
313 : 3,272,081
3,282,167
314 : 3,260,212
3,261,265
315 : 3,245,483
3,253,775
317 : 3,245,483
318 : 3,232,172
3,256,778
3,263,572
3,230,838
3,240,124
3,241,016
3,257,911
3,263,824
320 : 3,232,176
321 : 3,227,049
3,230,839
3,232,176
3,236,156
3,257,910
3,277,831
328 : 3,230,839
329 : 3,236,441
3,261,265
3,276,381
335 : 3,278,102
337 : 3,289,545
338 : 3,268,271
339 : 3,274,901
3,291,006
341 : 3,285,138
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342 : 3,274,899
3,289,545
343 : 3,244,357
346 : 3,268,271
349 : 3,276,381
351 : 3,227,421
352 : 3,244,357
355 : 3,263,429
356 : 3,289,515
357 : 3,246,572
3,254,837
358 : 3,233,408
361 : 3,242,822
3,256,778
3,263,572
3,230,838
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3,241,016
3,257,911
3,263,824
363 : 3,272,090
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3,282,168
3,290,997
364 : 3,257,914
3,280,842
365 : 3,257,911
366 : 3,229,958
3,232,053
3,238,956
3,257,914
367 : 3,238,956
368 : 3,227,048
3,255,993
3,256,780
3,259,095
3,275,017
369 : 3,279,328
3,289,547
370 : 3,243,025
372 : 3,260,273
3,295,419
375 : 3,254,674
376 : 3,246,578
3,249,021
3,257,912
3,262,373
3,279,327
3,290,999
3,292,502
3,295,419
378 : 3,226,858
3,251,274
3,274,893
3,277,793
382 : 3,266,379
384 : 3,229,588
3,229,958
3,285,139
385 : 3,268,186
386 : 3,232,179
387 : 3,232,053
3,251,274
3,290,996
388 : 3,226,858
3,260,273
390 : 3,230,412
3,271,954
3,282,283
391 : 3,228,632
3,240,124
3,246,473
3,256,046
3,256,780
3,263,428
3,266,381
3,269,784
3,279,867
3,283,505
3,295,419
392 : 3,232,180
394 : 3,267,231
395 : 3,291,000
396 : 3,247,767
3,249,018
3,260,167
3,267,815
399 : 3,251,276
400 : 3,228,302
3,252,380
3,269,784
401 : 3,228,302
3,240,008
3,259,026
402 : 3,246,572
3,253,515
3,285,142
404 : 3,255,674
3,286,941
405 : 3,269,432
407 : 3,276,475
408 : 3,238,850
3,247,767
3,267,815
410 : 3,252,285
411 : 3,231,355
3,233,410
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3,240,537
3,242,822
3,245,623
3,250,286
3,257,911
3,258,926
3,263,572
3,265,448
3,270,507
3,270,623
3,272,062
3,286,599
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3,237,224
3,253,413
412 : 3,262,740
3,277,917
3,282,050
413 : 3,228,302
3,229,958
3,235,222
3,262,395
3,286,600
3,290,998
3,295,420
3,295,451
414 : 3,228,306
3,232,053
3,236,156
3,238,730
3,260,376
3,264,945
3,264,948
3,269,676
3,288,033
3,290,998
3,291,321
416 : 3,232,180
3,257,912
417 : 3,227,049
3,229,958
3,232,174
3,233,689
3,250,073
3,255,674
3,257,810
3,257,912
3,276,331
3,283,667
418 : 3,234,855
3,237,636
3,274,901
419 : 3,232,179
3,274,901
3,295,420
420 : 3,247,867
3,260,165
3,260,325
3,270,626
421 : 3,282,286
422 : 3,229,589
3,254,221
3 259,026
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3,283,667
424 : 3,240,019
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427 : 3,271,954
429 : 3,241,016
3,295,488
430 : 3,267,945
433 : 3,234,857
3,237,641
3,246,848
3,250,498
3,258,025
3,285,140
434 : 3,246,579
3,250,183
3,250,184
3,255,675
3,265,447
3,266,852
3,269,784
3,284,142
3,288,539
3,259,026
436 : 3,255,777
3,259,026
3,262,467
3,267,961
3,267,966
3,273,468
437 : 3,245,726
3,286,797
438 : 3,227,050
3,228,306
3,241,461
3,295,420
440 : 3,286,797
443 : 3,228,301
3,247,867
3,264,948
446 : 3,249,289
3,255,587
3,265,089
3,266,379
3,267,816
3,289,546
447 : Re.25,969
3,241,462
3,252,285
3,266,852
3,272,085
3,283,668
3,295,420
448 : 3,228,302
3,237,526
3,241,462
3,255,671
3,257,914
3,259,025
3,270,625
3,289,546
449 : 3,245,324
450 : 3,277,794
451 : 3,258,022
452 : 3,245,324
3,249,019
3,292,500
453 : 3,232,053
3,232,179
3,237,641
3,265,447
454 : 3,242,825
3,276,331
457 : 3,295,421
458 : 3,233,522
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3,291,245
459 : 3,233,523
3,243,958
3,244,032
3,258,517
3,260,164
3,264,947
3,266,379
3,270,623
3,272,234
3,286,601
3,288,682
3,289,548
460 : 3,226,858
3,246,472
461 : 3,228,305
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3,234,957
3,236,489
3,240,124
3,242,825
3,243,958
3,252,381
3,253,516
3,255,671
3,282,168
3,282,283
3,283,667
3,289,549
3,290,996
3,295,422
462 : 3,246,472
464 : 3,236,049
3,273,467
465 : 3,260,164
466 : 3,258,922
3,269,223
467 : 3,258,835
3,274,901
3,285,141
468 : 3,228,302
3,232,175
3,232,179
3,236,156
3,238,850
3,242,824
3,245,322
3,249,018
3,255,587
3,258,922
3,263,572
3,276,547
3,277,793
469 : 3,237,527
3,263,429
3,269,274
3,273,579
3,274,903
3,276,547
3,277,793
470 : 3,237,529
3,246,848
3,274,901

Class 92

1 : 3,267,719
2 : 3,230,930
3,232,053
3 : 3,267,882
5 : 3,240,124
3,248,885
3,270,549
6 : 3,245,591
3,252,471
3,254,837
3,269,462
8 : 3,250,335
3,264,942
12 : 3,252,383
13 : 3,229,592
3,231,355
3,237,528
3,242,771
3,248,882
3,249,019
3,254,604
3,258,923
3,267,817
3,284,831
15 : 3,263,573
3,277,980
17 : 3,263,929
18 : 3,260,051
19 : 3,255,857
20 : 3,250,182
3,260,051
23 : 3,227,048
3,230,712
3,263,929
24 : 3,230,714
3,251,278
3,262,374
3,283,668
3,295,878
26 : 3,237,726
27 : 3,237,726
3,251,278
3,263,572
3,270,623
28 : 3,230,838
3,237,726
3,251,274
3,262,522
3,264,943
29 : 3,230,784
3,290,998
30 : 3,250,182
3,259,027
31 : 3,236,157
3,274,901
33 : 3,253,517
3,255,806
3,270,624
34 : 3,235,027
3,250,295
3,259,405
3,273,916
3,277,927
35 : 3,245,323
37 : 3,241,868
3,264,948
3,284,964
38 : 3,252,383
39 : 3,245,323
3,259,273
3,269,272
3,272,089
3,273,870
40 : 3,255,672
41 : 3,237,527
45 : 3,233,632
47 : 3,236,158
48 : 3,289,547
49 : 3,250,286
3,267,819
50 : 3,250,184
3,250,286
3,267,819
51 : 3,266,869
52 : 3,236,620
3,242,821
3,252,680
3,259,027
3,273,546
53 : 3,256,779
3,279,755
54 : 3,282,386
55 : 3,270,723
57 : 3,240,127
3,256,782
58 : 3,241,463
59 : 3,233,523
3,244,191
3,253,610
61 : 3,264,950
3,276,059
62 : 3,232,174
3,264,947
63 : 3,232,175
3,240,129
3,255,676
3,260,168
3,269,272
3,282,169
3,289,547
64 : 3,240,129
3,244,079
3,255,676
3,291,004
65 : 3,263,575
3,266,852
3,279,563
66 : 3,288,202
67 : 3,288,201
68 : 3,267,816
3,267,817
71 : 3,253,410
3,283,725
72 : 3,280,703
3,291,001
75 : 3,241,464
3,268,038
3,290,998
76 : 3,240,124
3,250,183
3,269,272
82 : 3,232,180
84 : 3,242,826
3,272,087
3,289,547
85 : 3,236,223
3,250,247
3,251,276
3,255,675
3,264,942
3,267,815
89 : 3,262,294
3,292,710
90 : 3,231,259
3,258,025
91 : 3,237,296
92 : 3,229,590
3,232,318
3,253,854
3,255,677
3,268,035
3,276,477
3,276,478
3,283,786
94 : 3,237,525
3,245,322
3,292,502
95 : 3,253,610
97 : 3,289,547
3,292,502
98 : 3,226,931
3,239,827
3,285,138
3,295,458
99 : 3,228,248
3,237,525
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3,245,322
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3,249,022
3,250,184
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3,269,273
3,272,089
3,273,870
3,277,795
3,279,327
3,286,726
3,289,547
100 : 3,227,093
3,236,223
3,250,295
3,254,662
101 : 3,268,916
3,269,273
3,273,870
3,276,389
3,283,670
103 : 3,239,827
3,249,022
3,282,171
3,228,248
3,232,183
3,277,925
3,289,550
104 : 3,228,248
105 : 3,236,601
3,256,782
107 : 3,230,784
3,234,598
3,242,771
108 : 3,236,620
109 : 3,264,946
3,264,947
110 : 3,232,174
3,236,620
3,257,912
3,263,929
3,272,081
112 : 3,261,266
113 : 3,228,302
3,236,620
3,272,081
3,279,327
3,279,563
3,279,547
3,282,170
3,284,879
3,267,677
3,267,715
3,260,168
3,289,548
3,291,002
116 : 3,270,624
3,288,202
117 : 3,236,620
3,241,941
3,273,466
3,277,793
3,289,544
118 : 3,232,184
3,269,272
120 : 3,229,590
121 : 3,239,636
3,269,737
3,272,082
122 : 3,232,185
3,286,602
3,288,201
125 : 3,237,528
3,246,580
3,276,332
3,289,544
3,289,549
3,264,952
3,278,154
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127 : 3,269,232
130 : 3,227,053
3,227,494
3,232,175
3,237,526
3,249,018
3,250,183
3,250,184
3,254,604
3,266,379
3,267,816
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3,279,326
3,291,004
3,295,423
131 : 3,229,592
3,238,728
132 : 3,237,867
3,289,546
3,246,358
3,252,380
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3,285,141
3,288,035
133 : 3,254,662
134 : 3,248,879
3,267,677
3,267,715
3,267,816
3,269,272
3,267,817
135 : 3,237,527
3,260,168
136 : 3,242,771
3,246,358
3,252,380
3,253,518
3,273,546
3,274,895
3,246,742
3,237,527
3,250,335
3,264,942
3,264,952
3,278,154
3,253,409
144 : 3,228,632
145 : 3,227,494
146 : 3,251,279
147 : 3,270,674
148 : 3,226,742
151 : 3,246,358
3,253,515
3,253,519
3,255,675
3,288,036
3,288,201
152 : 3,257,810
153 : 3,270,674
3,279,443
3,282,170
154 : 3,295,366
155 : 3,264,764
158 : 3,259,028
3,268,208
3,272,092

Class 92 —Con.

161 : 3,251,279
3,263,573
3,273,466
162 : 3,278,154
3,285,142
3,295,366
163 : 3,249,018
164 : 3,233,523
3,267,816
3,279,326
3,286,797
165 : 3,227,494
3,232,639
3,241,459
3,253,519
3,269,737
3,274,781
166 : 3,282,167
167 : 3,229,590
168 : 3,227,053
3,229,592
3,232,184
3,237,525
3,279,327
3,289,547
169 : 3,227,494
3,232,184
3,234,727
3,246,581
3,251,279
3,253,412
3,276,082
3,280,758
3,288,079
3,292,501
170 : 3,266,383
3,279,443
171 : 3,227,053
3,232,178
3,260,169
3,272,088
3,274,900
172 : 3,280,549
3,285,063
174 : 3,230,977
176 : 3,292,501
177 : 3,273,466
3,289,791
179 : 3,241,226
180 : 3,232,186
3,266,385
181 : 3,242,600
3,250,073
3,288,035
183 : 3,230,977
185 : 3,241,460
187 : 3,272,091
188 : 3,245,326
191 : 3,282,170
192 : 3,266,386
194 : 3,295,419
199 : 3,259,358
206 : 3,291,066
208 : 3,257,997
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213 : 3,251,349
216 : 3,240,193
230 : 3,259,028
238 : 3,245,705
239 : 3,292,244
240 : 3,246,579
3,266,385
3,272,079
242 : 3,266,384
3,266,385
243 : 3,232,186
244 : 3,242,826
3,261,266
246 : 3,245,591
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249 : 3,232,186
3,272,079
3,274,899
3,283,725
3,295,419
250 : 3,241,460
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3,286,887
251 : 3,266,386
252 : 3,266,384
3,277,797
255 : 3,272,079
3,274,899
257 : 3,277,797
258 : 3,241,460
3,247,767
3,261,266
261 : 3,251,279
447 : 3,285,672

Class 93

1 : 3,236,713
3,256,127
3,259,031
3,266,965
3,274,045
3,275,280
3,283,672
3,288,665
3,291,136
.1 : 3,287,195
.3 : 3,250,186
.3 : 3,263,319
8 : Re.26,075
3,237,534
3,244,576
3,269,087
3,279,398
3,280,705
3,285,446
3,288,665
18 : 3,237,533
3,255,728
27 : 3,255,729
28 : 3,272,093
32 : 3,260,170
33 : 3,283,633
35 : Re.26,062
3,257,915
3,259,301
3,266,387
3,272,093
3,273,322
3,280,704
36 : 3,227,054
3,235,149
3,237,535
3,240,611
3,242,829
3,249,272
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3,268,381
3,270,602
3,270,929
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3,293,099
.01: 3,244,080
.1 : 3,232,469
.5 : 3,237,536
.6 : 3,240,131
.7 : 3,264,795
.8 : 3,261,536
37 : 3,244,082
39 : 3,258,375
3,269,724
.1 : 3,251,170
.3 : 3,250,186
44 : 3,280,531
.1 : 3,239,995
47 : 3,244,080
3,289,552
49 : 3,238,695
3,270,629
51 : 3,269,277
52 : 3,264,954
3,269,092
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3,292,504
53 : 3,257,002
3,258,893
54.2 : 3,251,529
55.1 : 3,283,673
58 : 3,232,154
3,252,385
3,255,648
3,255,649
.1 : 3,270,628
.2 : 3,257,882
.2 : 3,280,682
59 : 3,272,094
61 : 3,231,262
3,249,483
63 : 3,244,045
74 : 3,233,889
77 : 3,256,813
80 : 3,230,123
3,256,128
81 : 3,252,388
84 : 3,274,045
3,291,678
88 : 3,228,601
95 : 3,239,138
3,241,757
3,266,795
3,280,679
3,286,921
3,291,477
.3 : 3,234,832
94 : 3,232,469
3,242,828

94 : 3,253,520
3,258,374
3,270,778
3,272,094
3,291,009

Class 94

1 : 3,247,539
3,265,157
.5 : 3,228,900
.5 : 3,230,842
.5 : 3,233,352
.5 : 3,233,870
.5 : 3,247,153
.5 : 3,252,376
.5 : 3,253,146
.5 : 3,257,552
.5 : 3,273,115
.5 : 3,274,888
.5 : 3,279,133
.5 : 3,279,336
.5 : 3,286,604
.5 : 3,288,440
.5 : 3,289,939
2 : 3,266,013
4 : 3,254,576
3,260,023
3,273,115
3,279,334
5 : 3,227,604
3,241,999
6 : 3,292,508
8 : 3,234,973
3,256,786
3,260,175
3,287,475
9 : 3,250,188
10 : 3,250,188
11 : 3,252,287
13 : 3,229,439
3,236,991
3,238,682
3,238,855
3,284,819
16 : 3,279,334
17 : 3,288,039
18 : 3,257,336
3,261,087
3,274,906
3,279,335
3,292,330
19 : 3,228,907
3,235,522
3,265,647
20 : 3,227,573
3,249,451
3,253,521
3,275,585
21 : 3,230,103
22 : 3,234,860
3,239,479
3,247,153
3,257,916
3,262,375
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3,272,097
3,272,098
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3,287,296
23 : 3,235,522
3,245,329
3,260,176
3,264,957
3,281,256
3,291,628
25 : 3,227,569
31 : 3,232,187
.1 : 3,241,673
.3 : 3,263,577
34 : 3,246,582
3,263,378
36 : 3,230,844
39 : 3,228,311
3,240,134
3,246,775
3,261,270
3,270,632
3,277,802
3,279,336
3,283,676
3,286,607
40 : 3,251,407
44 : 3,230,843
3,230,845
3,260,178
3,267,824
3,275,342
3,279,824
3,283,675
45 : 3,230,566

45 : 3,237,235
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3,251,628
3,264,668
3,269,282
3,271,079
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3,283,675
46 : 3,228,310
3,229,601
3,230,843
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3,237,539
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3,252,390
3,255,681
3,256,789
3,257,917
3,274,906
3,291,012
48 : 3,247,770
3,260,177
3,262,329
3,280,712
3,282,055
49 : 3,286,790
50 : 3,252,389
3,252,391
3,256,789
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3,268,024
3,271,041
3,274,908
3,283,841
3,287,834
51 : 3,246,390
3,257,916
3,259,032
3,292,509

Class 95

1 : 3,239,215
3,245,083
3,263,079
3,277,776
3,291,606
.1 : 3,232,760
.1 : 3,240,135
.1 : 3,254,582
.1 : 3,263,555
.1 : 3,263,647
.1 : 3,267,843
.1 : 3,282,152
.7 : Re.26,067
.7 : 3,230,303
.7 : 3,233,781
.7 : 3,235,874
.7 : 3,236,707
.7 : 3,237,197
.7 : 3,237,516
.7 : 3,241,957
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.7 : 3,248,216
.7 : 3,251,706
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.5 : 3,286,585
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11 : 3,229,603
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.5 : 3,238,749
.5 : 3,246,589
.5 : 3,263,583
.5 : 3,270,650
.5 : D203,678
.5 : 3,229,521
.5 : 3,266,393
12 : 3,227,509
3,246,586
.20: 3,246,586
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.5 : D203,678
13 : 3,228,767
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17 : 3,251,266
18 : 3,230,849
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31 : 3,238,007
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3,289,560
34 : 3,232,196
3,253,526
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36 : 3,228,283
3,241,434
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37 : 3,261,259
3,267,826
42 : 3,240,115
3,240,136
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44 : 3,228,314
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46 : 3,263,589
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47 : 3,259,008
49 : 3,233,533
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58 : 3,253,529
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60 : 3,247,773
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63 : 3,229,604
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3,292,515

65 : 3,279,311
71 : 3,261,276
73 : 3,230,824
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79 : 3,230,823
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89 : 3,229,607
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90 : 3,273,486
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.5 : 3,280,716
92 : 3,291,020
93 : 3,280,719
94 : 3,227,060
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95 : 3,273,486
96 : 3,228,316
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98 : 3,259,049
100 : 3,240,490
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102 : 3,242,328
3,296,431

Class 96

1 : 3,227,076
3,227,633
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3,234,231
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3,235,658
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3,237,197
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27 : 3,227,059
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28 : 3,250,616
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29 : 3,227,554
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37 : 3,283,714
38 : 3,282,755
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39 : 3,227,555
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42 : 3,260,563
43 : 3,233,509
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45 : 3,234,017
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Class 96—Con.

76 : 3,260,598 3,260,603 3,261,683 3,261,685 3,265,498 3,265,499 3,265,501 3,266,894 3,266,897 3,269,839 3,271,147 3,271,148 3,275,439 3,278,307 3,278,958 3,279,366 3,282,694 3,287,129 3,290,148 3,291,608 3,295,972
77 : 3,227,550 3,227,551 3,232,759 3,239,336 3,239,337 3,239,339 3,240,604 3,245,790 3,246,985 3,249,432 3,249,435 3,255,001 3,257,205 3,269,839 3,295,970
78 : 3,227,058 3,240,604 3,249,434 3,270,653
79 : 3,227,555 3,243,376 3,245,791 3,260,603
80 : 3,254,999
82 : 3,255,006 3,278,302
83 : 3,231,376 3,258,336
84 : 3,227,556 3,232,763 3,234,023 3,234,025 3,237,008 3,242,807 3,243,376 3,247,127 3,247,172 3,249,432 3,249,435 3,250,617 3,252,801 3,253,918 3,268,333 3,269,252 3,269,839 3,271,147 3,271,148 3,278,304 3,287,134 3,291,602 3,291,611
85 : 3,227,571 3,234,025 3,235,382 3,236,644 3,236,646 3,244,523 3,247,172 3,278,304 3,287,129 3,295,979 3,296,260
86 : 3,228,356 3,228,769 3,231,381 3,236,640 3,236,646 3,245,793 3,259,496 3,265,504 3,271,149 3,271,150 3,275,440 3,278,304 3,280,734 3,290,151
87 : 3,227,555 3,231,377 3,231,382 3,232,756 3,234,025 3,235,381 3,236,644 3,236,652 3,236,678 3,236,816 3,240,604 3,240,735 3,244,523 3,245,793 3,245,833 3,247,172 3,248,279 3,250,784 3,252,801 3,259,495 3,259,592 3,260,602 3,264,108 3,271,149 3,271,150 3,271,151 3,271,178 3,271,345 3,271,374 3,272,858 3,277,032 3,278,304 3,282,643 3,285,742 3,287,152 3,295,979
88 : 3,231,377 3,231,381 3,231,584 3,234,231 3,236,648 3,239,518 3,242,138 3,242,188 3,250,615 3,259,494 3,259,495 3,262,971 3,266,370 3,278,366 3,285,743 3,291,786 3,293,037
89 : 3,231,378 3,260,599 3,271,143
90 : 3,231,381 3,236,648 3,236,651 3,252,969 3,262,944 3,272,646 3,291,604
91 : 3,228,768 3,228,769 3,230,087 3,230,257 3,231,381 3,235,382 3,235,383 3,235,384 3,236,646 3,238,044 3,244,523 3,246,984 3,246,986 3,251,690 3,252,796 3,252,969 3,255,007 3,255,010 3,255,011 3,260,599 3,264,104 3,267,146 3,269,837 3,271,155 3,272,627 3,272,630 3,278,305 3,281,242 3,282,693 3,284,198 3,284,201 3,285,742 3,287,128 3,288,608 3,288,627 3,290,150 3,295,974
92 : 3,231,381 3,236,651 3,236,749 3,241,962 3,244,519 3,293,037
93 : 3,231,377 3,231,381 3,236,651 3,240,601 3,265,527
94 : 3,227,510 3,227,553 3,227,554 3,230,089 3,241,971 3,248,219 3,249,433 3,252,799 3,252,801 3,253,926 3,255,013 3,258,338 3,259,494 3,260,605 3,262,781 3,271,147 3,271,158 3,271,174 3,272,631 3,276,877 3,279,920 3,282,696 3,284,206 3,291,608 3,291,611
95 : 3,227,550 3,227,551 3,227,554 3,230,089 3,241,967 3,241,970 3,243,294 3,246,988 3,248,219 3,257,205 3,257,207 3,260,598 3,261,683 3,261,685 3,262,781 3,265,499 3,276,871 3,278,307 3,282,694 3,287,129 3,291,608 3,291,609 3,293,035 3,295,978
96 : 3,232,757 3,232,759 3,257,205
97 : 3,271,152 3,276,869 3,287,133 3,287,134
98 : 3,227,550 3,227,551 3,227,554
99 : 3,230,082 3,230,083 3,230,084 3,230,085 3,230,086 3,236,643 3,236,645 3,239,339 3,241,963 3,245,789 3,245,790 3,246,985 3,253,915 3,255,001 3,287,132
100 : 3,227,550 3,227,551 3,227,552 3,227,554 3,243,294 3,244,520 3,245,787 3,245,788 3,245,789 3,245,795 3,249,431 3,260,715 3,271,147 3,271,148 3,271,152 3,277,155 3,278,306 3,287,134 3,293,032
101 : 3,237,008 3,245,790 3,250,618 3,278,307 3,284,203
102 : 3,241,959 3,248,219 3,249,433 3,260,601 3,262,940 3,276,869
104 : 3,264,110 3,268,334
106 : 3,241,959 3,254,090 3,255,012 3,282,932 3,282,933 3,288,854
107 : 3,232,762 3,234,021 3,249,433 3,253,919 3,259,495 3,260,605 3,266,898 3,268,543 3,295,981
108 : 3,236,641 3,241,962 3,241,971 3,271,157 3,276,869 3,287,136 3,287,137
109 : 3,228,770 3,232,758 3,232,759 3,232,761 3,244,521 3,244,522 3,250,784 3,251,691 3,255,202 3,266,897 3,271,154 3,271,401 3,276,875 3,282,694 3,284,206 3,287,135 3,295,976
110 : 3,290,148
111 : 3,227,555 3,232,761 3,236,882 3,240,604 3,257,208 3,271,174 3,271,175 3,277,030 3,277,041 3,288,775 3,291,624 3,295,976 3,295,980 3,296,155
113 : 3,239,336
114 : 3,234,021 3,236,653 3,241,969 3,255,013 3,272,631 3,275,581 3,277,041 3,287,289
115 : 3,227,510 3,230,087 3,231,374 3,231,377 3,231,378 3,231,379 3,231,381 3,231,382 3,234,021 3,236,640 3,236,644 3,244,518 3,244,519 3,245,793 3,245,796 3,250,615 3,252,966 3,255,002 3,255,006 3,258,339 3,262,780 3,265,527 3,268,333 3,268,906 3,271,180 3,275,437 3,278,304 3,278,305 3,279,919 3,282,692 3,282,765 3,285,742 3,287,152 3,288,608 3,295,974
116 : 3,249,000 3,249,437
119 : 3,232,760 3,249,440 3,287,136 3,287,137

Class 98

1 : 3,228,175 3,232,208 3,242,844 3,242,845 3,242,979 3,263,704 3,272,435
.5 : 3,232,315
.5 : 3,242,058
2 : 3,232,660 3,242,980 3,243,890 3,250,317 3,269,801 3,278,121 3,282,505 3,284,836 3,289,938
6 : 3,246,592
10 : 3,247,894 3,288,206
19 : 3,238,862 3,241,474
21 : 3,289,565
31 : 3,227,062 3,231,986 3,237,546 3,247,895 3,251,289 3,282,003 3,289,566 3,291,026
32 : 3,232,205
33 : 3,231,986 3,236,254 3,237,547 3,244,856 3,246,643 3,252,400 3,259,050 3,263,400 3,267,955 3,267,995 3,274,751 3,279,198 3,283,693 3,283,753 3,291,026
36 : 3,228,317 3,229,611 3,233,423 3,251,177 3,254,588 3,279,883 3,286,445 3,287,929
37 : 3,256,654
38 : 3,232,342 3,252,509 3,259,178 3,263,743 3,265,859 3,272,427 3,280,815
39 : 3,227,061 3,229,611 3,249,038 3,255,690 3,259,050 3,285,153
40 : 3,229,609 3,232,204 3,246,137 3,250,319 3,255,686 3,258,587 3,264,971 3,265,859 3,270,655 3,276,347 3,276,942 3,280,540
41 : 3,240,145 3,250,203 3,250,205 3,260,188 3,264,972 3,272,109 3,274,916 3,275,031 3,276,349 3,289,566 3,292,522 3,295,432
42 : 3,240,144
43 : 3,229,896 3,248,177 3,250,206 3,278,114 3,283,693 3,285,153 3,295,433
44 : 3,279,349
46 : 3,274,918 3,282,194
48 : 3,271,710
51 : 3,271,089
54 : 3,231,986
55 : 3,252,402 3,280,473 3,287,886
56 : 3,279,094
58 : 3,233,567
59 : 3,251,336
71 : 3,231,004 3,242,848
75 : 3,267,833
83 : 3,236,170 3,269,296 3,282,194
84 : 3,282,194
86 : 3,230,859 3,260,018 3,283,691
88 : 3,251,407 3,284,951 3,292,686
94 : 3,252,398 3,261,107 3,273,843 3,275,224
96 : 3,255,685
97 : 3,255,688
98 : 3,255,688 3,271,972
99.3 : 3,292,686
.7 : 3,274,759
101 : 3,291,028
102 : 3,272,109 3,274,916
108 : 3,232,206
110 : 3,254,587 3,261,373 3,267,962 3,269,165 3,284,951 3,286,732
111 : 3,263,906
114 : 3,232,205 3,238,860
115 : 3,233,606 3,242,334 3,248,177 3,251,177 3,252,400 3,268,119 3,273,323 3,274,700 3,279,681 3,284,148 3,286,445
116 : 3,263,906 3,270,656 3,278,114
119 : 3,242,844 3,269,296 3,282,553
121 : 3,232,205 3,241,474 3,245,224 3,248,837 3,252,397 3,257,929 3,260,026 3,273,298 3,276,347 3,281,113 3,283,694 3,287,852 3,287,870
122 : 3,254,477

Class 99

1 : 3,228,856 3,231,385 3,231,388 3,231,390 3,235,388 3,239,358 3,250,764 3,251,749 3,259,503 3,266,442 3,268,342 3,270,662 3,271,169 3,271,552 3,282,460 3,284,209
2 : 3,227,561 3,228,856 3,228,930 3,230,214 3,230,902 3,231,466 3,232,740 3,232,770 3,232,832 3,234,086 3,234,087 3,234,090 3,234,092 3,234,217 3,234,218 3,234,219 3,234,224 3,235,454 3,236,736 3,239,499 3,241,916 3,246,336 3,248,255 3,248,289 3,249,442 3,250,761 3,251,716 3,251,749 3,252,971 3,255,014 3,256,096 3,257,210 3,261,688 3,262,848 3,262,928 3,263,651 3,264,291 3,264,348 3,265,629 3,266,901 3,266,933 3,267,100 3,268,336 3,268,515 3,268,516 3,268,517 3,268,518 3,268,519 3,269,908 3,271,267 3,272,701 3,272,702 3,272,860 3,276,956 3,277,129 3,278,309 3,278,525 3,280,188 3,280,502 3,282,779 3,282,918 3,284,212 3,284,438 3,288,784 3,290,291 3,291,793 3,292,584 3,292,995 3,293,039 3,293,131 3,295,985 3,296,073 3,296,149 3,296,250
3 : 3,260,674
4 : 3,231,466 3,231,467 3,234,087 3,234,092 3,235,454 3,236,736 3,240,605 3,241,916 3,243,299 3,253,987 3,254,075 3,256,093 3,256,295 3,257,209 3,264,111 3,264,112 3,269,908 3,271,159 3,271,249 3,276,956 3,278,529 3,279,923 3,280,502 3,282,918 3,284,210 3,290,315 3,290,328 3,296,073 3,296,257
6 : 3,248,224

6 : 3,249,547 3,284,209
7 : 3,232,770 3,244,527 3,246,958 3,249,442 3,256,093 3,256,096 3,263,592 3,272,632 3,285,710 3,291,612 3,293,140 3,295,982
8 : 3,246,989 3,251,292 3,259,501 3,272,633 3,277,812 3,278,308 3,279,921 3,279,922 3,288,051
9 : 3,228,773 3,236,743 3,243,299 3,243,301 3,246,989 3,249,442 3,258,407 3,285,748 3,291,701 3,293,140 3,293,145
10 : 3,259,501 3,266,901
11 : 3,227,561 3,243,347 3,244,527 3,252,897 3,288,824 3,290,341 3,293,131 3,293,140
14 : 3,245,804 3,256,095 3,256,800 3,268,412 3,271,160 3,288,613 3,290,152 3,295,985
15 : 3,282,705
16 : 3,245,804
17 : 3,228,773 3,243,301 3,245,802 3,252,807 3,258,407 3,261,822 3,268,335 3,268,503 3,269,841 3,288,613
18 : 3,252,962 3,253,931 3,256,098 3,256,800 3,270,041 3,272,632 3,295,982
21 : 3,291,198 3,292,205
22 : 3,235,338 3,279,925
23 : 3,232,971 3,270,040 3,279,925
24 : 3,236,833 3,280,102
26 : 3,262,788
27 : 3,236,740 3,255,015
28 : 3,228,838 3,241,977 3,269,914 3,282,706
29 : 3,228,838 3,236,740 3,243,300 3,295,987
30 : 3,295,987
35 : 3,282,702
43 : 3,227,557
45 : 3,271,267
46 : 3,236,740
48 : 3,282,702
49 : 3,233,420 3,240,025 3,282,571
53 : 3,255,015
54 : 3,248,229 3,278,313
55 : 3,228,876 3,231,385
56 : 3,231,385 3,243,347 3,248,226 3,251,291 3,257,236 3,275,449
57 : 3,252,961
59 : 3,250,628 3,262,783 3,295,991
60 : 3,250,628
63 : 3,235,386
64 : 3,290,155
65 : 3,228,877 3,261,507
66 : 3,256,282
71 : 3,253,420 3,261,507
76 : 3,228,877
77 : 3,250,398 3,279,925 3,293,041
.1 : 3,237,550
.1 : 3,238,100
.1 : 3,250,398
.1 : 3,252,803
.1 : 3,255,691
.1 : 3,292,527
.1 : 3,293,048
78 : 3,241,977 3,247,940 3,248,226 3,259,502 3,266,903 3,278,014 3,293,041
79 : 3,232,929 3,233,779 3,240,794 3,269,914 3,282,571
80 : 3,231,388 3,249,512 3,251,702 3,252,406 3,255,014 3,262,783 3,282,701
81 : 3,228,771 3,240,606 3,253,533 3,259,503 3,282,701
82 : 3,246,594 3,251,702 3,268,336
83 : 3,235,385 3,243,301
85 : 3,262,783
86 : 3,235,457 3,236,196 3,239,359 3,249,512 3,257,275 3,271,164 3,288,824 3,295,467
88 : 3,232,246 3,271,176
90 : 3,234,027 3,235,386 3,249,512 3,255,717 3,282,708
91 : 3,227,559 3,228,772 3,251,870 3,252,807 3,262,783 3,269,843 3,282,705 3,288,824 3,293,272 3,295,986
92 : 3,227,559 3,228,772 3,230,090 3,235,457 3,244,534 3,244,536 3,244,538 3,245,799 3,248,229 3,249,512 3,253,927 3,257,213 3,271,176 3,274,221 3,275,449 3,282,706 3,293,272 3,295,986
93 : 3,231,388 3,243,304 3,248,226 3,251,695 3,252,807 3,256,115 3,262,788 3,269,843 3,271,160 3,271,176 3,279,924
94 : 3,231,388 3,235,385 3,236,654 3,244,534 3,248,228 3,262,788 3,268,337 3,268,338 3,275,449 3,293,272
95 : 3,275,450 3,275,451
96 : 3,251,734 3,268,412 3,275,449
98 : 3,243,301 3,252,807 3,253,930 3,257,209 3,268,503 3,290,159
99 : 3,245,802 3,268,503
100 : 3,231,390 3,235,388 3,239,359 3,243,302 3,244,538 3,259,503 3,282,197
101 : 3,278,314
102 : 3,264,119
103 : Re.26,084 3,239,359 3,293,046
104 : 3,245,798 3,250,624
105 : 3,233,396 3,236,655 3,245,798 3,248,262 3,250,624
106 : 3,282,702
107 : 3,234,585 3,235,468 3,248,752 3,252,407 3,257,934 3,266,908 3,266,909 3,275,452 3,277,846 3,282,460 3,288,054 3,296,094
108 : 3,228,855 3,229,615 3,261,692 3,269,843 3,276,880
109 : Re.26,040 Re.26,054 3,229,615 3,235,386 3,247,777 3,255,689 3,258,344 3,259,054 3,261,692 3,268,948 3,269,297 3,269,843 3,283,899 3,287,761 3,291,616
110 : 3,231,385 3,271,167
111 : 3,235,388 3,249,962 3,256,800 3,257,683 3,264,116 3,270,662 3,276,070
112 : 3,256,098 3,293,140
113 : 3,232,769 3,249,137 3,268,346 3,270,661 3,275,449 3,287,139
115 : 3,232,768 3,252,961 3,277,846
116 : 3,292,259 3,293,147
117 : 3,232,768 3,270,045 3,272,855
118 : 3,231,591 3,232,765 3,232,971 3,234,029 3,240,608 3,241,979 3,241,980 3,244,527 3,244,536 3,248,227 3,251,870 3,253,928 3,255,016 3,257,213 3,268,335 3,268,338 3,270,040 3,270,041 3,272,634 3,272,855 3,274,221 3,278,313 3,278,568 3,290,340 3,293,272
119 : 3,230,257 3,233,327 3,253,929 3,256,312 3,267,146 3,270,045 3,271,165 3,272,855
122 : 3,232,971 3,245,801 3,253,929 3,266,904 3,268,340 3,271,165 3,277,097
123 : 3,228,772 3,243,302 3,244,534 3,245,803 3,246,992 3,248,227 3,251,696 3,253,928 3,257,213 3,266,907 3,268,341 3,271,165 3,274,221 3,282,707 3,293,272
124 : 3,231,385 3,257,214 3,259,505 3,262,788 3,271,167 3,275,457
127 : 3,243,302
128 : 3,243,302 3,253,927 3,283,792
129 : 3,234,046 3,256,099 3,266,906 3,272,639 3,278,314
130 : 3,232,929 3,266,906 3,272,639
131 : 3,257,214 3,271,164 3,272,639
134 : 3,231,383 3,232,765 3,232,929 3,234,046 3,235,457 3,236,833 3,239,379 3,244,536 3,255,041 3,271,256 3,278,314 3,280,102
135 : 3,235,460 3,268,496
136 : 3,228,772 3,235,386 3,280,102 3,291,614
137 : 3,228,775 3,274,958 3,279,393 3,295,466 3,295,467
138 : 3,252,803 3,295,467
139 : 3,227,559 3,228,772 3,228,855 3,230,090 3,235,457 3,236,833 3,238,193 3,244,534 3,248,229 3,253,927 3,257,214 3,262,783 3,280,102 3,282,706 3,287,139 3,293,043 3,295,986
140 : 3,231,385 3,236,869 3,245,951 3,246,036 3,259,504 3,264,114 3,268,555 3,268,589 3,277,161 3,280,008 3,280,824 3,293,045 3,296,080 3,296,088
141 : 3,248,226 3,255,041 3,257,236 3,265,533 3,272,705 3,296,079
142 : 3,285,776 3,290,173
143 : 3,240,558 3,243,302 3,261,692 3,272,593 3,279,992
144 : 3,235,387 3,236,833 3,241,979 3,241,980 3,248,229 3,261,691 3,269,844 3,271,167 3,280,102 3,282,707 3,293,044
146 : 3,244,528 3,295,996
148 : 3,239,379 3,245,805 3,266,903 3,269,845 3,293,133
149 : 3,236,743 3,251,398
150 : 3,230,096 3,231,394 3,232,766 3,234,028 3,234,224 3,234,268 3,248,285 3,250,790 3,265,682 3,275,454 3,275,503 3,276,881 3,284,212 3,285,937 3,291,612
151 : 3,234,268 3,248,285 3,276,881
152 : 3,234,028 3,261,507
153 : 3,255,220 3,275,503
154 : 3,228,937 3,230,096 3,245,807 3,265,682 3,276,881 3,290,368
155 : 3,227,562 3,236,655 3,265,682 3,290,368 3,295,994
157 : 3,230,096 3,243,302 3,265,682 3,266,909 3,276,881 3,290,368
158 : 3,249,442 3,265,682 3,276,070 3,276,881
159 : Re.25,996 Re.26,040 Re.26,054 3,232,209 3,240,612 3,245,336 3,245,808 3,252,808 3,255,022 3,255,023 3,256,801 3,258,344 3,275,459
160 : 3,291,569
161 : 3,232,769 3,249,137 3,260,606 3,261,838 3,262,935 3,268,346 3,270,022 3,270,023 3,274,199 3,276,881 3,277,097 3,280,131 3,280,137 3,285,749 3,285,923 3,293,044
162 : 3,234,268 3,265,682 3,275,503 3,276,881
163 : 3,228,888 3,231,390 3,234,268 3,240,703 3,240,705 3,240,706 3,243,459 3,249,632 3,250,712 3,250,790 3,251,801 3,251,821 3,252,911 3,255,191 3,257,321 3,265,661 3,265,724 3,271,166 3,271,452 3,276,881 3,277,148 3,277,152 3,278,308 3,278,593 3,279,921 3,279,922 3,282,951 3,284,213 3,285,855 3,290,392 3,291,831 3,293,272 3,293,297
164 : 3,249,632 3,255,255 3,282,951
166 : 3,240,607 3,252,803 3,261,692 3,275,454
167 : 3,261,689
169 : 3,248,232 3,262,789 3,269,297 3,275,454 3,293,237
170 : 3,241,990
171 : 3,227,308 3,228,168 3,229,810 3,230,093 3,238,100 3,240,611 3,242,133 3,243,394 3,244,356 3,244,537 3,245,198 3,245,338 3,245,806 3,247,037 3,252,803 3,253,762 3,255,923 3,257,228 3,257,934 3,259,507 3,262,787 3,262,789 3,265,547 3,266,442 3,269,846 3,271,169 3,278,014 3,280,968 3,281,051 3,283,891 3,285,411 3,286,834 3,286,909 3,288,278 3,289,827 3,291,377
172 : 3,228,775 3,230,092 3,246,446 3,257,228 3,265,286 3,275,454 3,288,278 3,295,989
173 : 3,257,228
174 : 3,228,168 3,229,810 3,230,276 3,235,389 3,238,100 3,248,232 3,248,905 3,253,762 3,255,017 3,257,228 3,261,530 3,262,789 3,266,442 3,266,909 3,271,169 3,274,004 3,275,454 3,280,968 3,289,827
175 : 3,245,810 3,285,906
176 : 3,245,108 3,247,037 3,285,906
177 : 3,262,786 3,285,749 3,290,156
178 : 3,255,911 3,262,789 3,274,004 3,275,454 3,291,377
179 : 3,263,840 3,292,258
180 : 3,228,775 3,251,319 3,253,929 3,264,115
181 : 3,243,394 3,260,690 3,268,620 3,280,064
182 : 3,235,389 3,241,475 3,255,690 3,266,908
183 : 3,268,342
186 : 3,232,770 3,255,019 3,257,214 3,295,994
187 : 3,232,770 3,241,475 3,245,806 3,257,214 3,258,345 3,276,880
188 : 3,232,929 3,257,214
189 : 3,231,078 3,233,779 3,235,561 3,239,360 3,251,292 3,266,905 3,269,133
192 : 3,228,775 3,228,838 3,235,390 3,240,610 3,245,226 3,245,799 3,246,993 3,253,420 3,261,394 3,261,692

Class 99 —Con.

192 : 3,281,051
3,286,909
3,290,942
3,291,198
3,293,043
3,295,989
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96 : 3,232,229
97 : 3,283,305
99 : 3,295,849
103 : 3,227,079
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104 : 3,272,119
105 : 3,244,097
107 : 3,291,042
109 : 3,236,177
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110 : 3,242,853
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113 : 3,280,730
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114 : 3,241,483
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116 : 3,279,357
117 : 3,230,865
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122 : 3,232,219
126 : 3,229,622
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127 : 3,270,663
129 : 3,276,354
136 : 3,242,957
137 : Re.26,077
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138 : 3,230,866
144 : 3,254,782
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153 : 3,241,564
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154 : 3,234,589
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155 : Re.26,077
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156 : 3,268,221
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159 : 3,269,303
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163 : 3,254,515
166 : 3,274,923
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169 : 3,246,822
170 : 3,230,867
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185 : 3,291,038
187 : 3,241,479
188 : Re.26,077
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191 : 3,230,904
193 : 3,244,091
195 : 3,251,472
198 : 3,232,435
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199 : 3,237,246
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.5 : 3,230,871
.5 : 3,233,538
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.5 : 3,242,854
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138 : 3,263,606
142 : 3,252,416
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144 : 3,234,874
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148 : 3,229,351
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157 : 3,255,415
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168 : 3,264,982
169 : 3,252,415
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185 : 3,252,415
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226 : 3,289,573
227 : 3,258,261
228 : 3,252,415
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296 : 3,288,058
306 : 3,244,096
316 : 3,247,789
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316 : 3,289,573
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364 : 3,233,543
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366 : 3,236,178
368 : 3,255,697
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369 : 3,238,001
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372 : 3,227,072
373 : 3,227,079
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375 : 3,252,410
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376 : 3,228,324
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378 : 3,230,881
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379 : 3,238,086
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380 : 3,229,398
381 : 3,227,082
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382 : 3,280,715
3,280,739

Class 101—Con.

383 : 3,241,481
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384 : 3,255,697
391 : 3,263,602
393 : 3,259,063
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394 : 3,266,417
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395 : 3,234,156
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3,263,605
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3,271,151
398 : 3,230,880
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399 : 3,227,072
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401.1 : 3,237,244
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Class 102

1 : 3,235,816
3,237,521
3,238,871
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3,291,049
2 : 3,282,211
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3 : 3,236,182
4 : 3,228,332
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6 : 3,243,270
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7 : 3,242,810
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.2 : 3,264,985
.2 : 3,269,268
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10 : 3,229,292
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13 : 3,229,292
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.8 : 3,233,415
.8 : 3,234,876
22 : 3,248,924
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23 : 3,228,331
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Class 102

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Class 103

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37 : 3,234,926
3,238,723
3,242,870
3,246,625
3,249,052
3,269,121
3,269,462
3,273,786
38 : 3,230,946
3,232,238
3,234,889
3,235,129
3,250,247
3,251,585
3,252,498
3,255,707
3,259,076
3,260,213
3,263,609
3,269,121
3,269,711
3,270,673
3,272,133
3,280,747
3,283,668
3,285,182
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3,291,055
40 : 3,236,185
3,266,424
3,285,180
41 : 3,227,158
3,228,193
3,228,381
3,229,640
3,230,712
3,233,868
3,236,189
3,241,768
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41 : 3,263,614
3,267,865
3,289,590
3,292,546
42 : 3,227,279
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3,232,234
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3,233,651
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3,244,110
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3,258,921
3,273,513
3,286,645
3,287,960
43 : 3,257,953
44 : 3,241,491
3,241,496
3,254,845
3,257,952
3,264,998
3,269,318
3,276,673
3,277,829
45 : 3,248,023
3,249,053
3,249,055
3,253,549
3,261,296
47 : 3,247,778
3,260,212
48 : 3,234,737
3,234,746
3,259,070
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3,291,054
49 : 3,249,053
3,260,213
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50 : 3,228,560
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3,234,598
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51 : 3,236,441
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52 : 3,230,888
3,241,746
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3,266,574
3,279,561
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53 : 3,233,607
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3,242,355
3,243,013
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3,253,742
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57 : 3,227,086
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3,250,931
63 : 3,274,901
68 : 3,254,797
69 : 3,259,361
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73 : 3,261,512
80 : 3,264,998
82 : 3,245,220
83 : 3,261,511
84 : 3,260,039
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87 : 3,227,087
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3,246,186
3,250,069
3,252,422
3,255,702
3,256,822
3,263,968
3,265,001
3,269,317
3,273,717
3,275,198
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3,289,596
88 : 3,241,493
3,241,820

88 : 3,250,069
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3,273,506
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3,283,737
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89 : 3,270,676
90 : 3,235,232
91 : 3,253,821
92 : 3,254,740
93 : 3,235,232
3,257,954
94 : 3,238,714
3,257,782
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96 : 3,256,820
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97 : 3,226,940
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3,256,820
3,259,072
3,262,394
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98 : 3,271,082
3,289,317
99 : 3,241,820
3,266,555
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100 : 3,253,821
3,282,575
101 : 3,264,827
3,270,838
3,277,746
102 : 3,228,343
3,261,296
3,285,185
3,288,074
3,288,075
3,289,596
3,291,057
103 : Re.26,094
3,226,940
3,228,341
3,235,233
3,238,878
3,248,759
3,249,057
3,252,187
3,252,422
3,253,357
3,255,702
3,256,822
3,256,828
3,256,829
3,260,214
3,264,653
3,264,999
3,266,427
3,269,322
3,270,678
3,272,129
3,273,507
3,273,631
3,274,799
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3,280,748
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3,289,897
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3,291,473
3,292,364
3,295,456
104 : 3,282,221
105 : 3,272,129
108 : 3,227,089
3,234,886
3,238,879
3,247,797
3,269,317
3,269,323
108 : 3,269,324
3,273,508
3,273,510
3,285,185
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3,288,075
109 : 3,228,588
3,232,235
3,255,701
3,257,957
110 : 3,240,018
111 : Re.26,095
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3,229,642
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3,238,878
3,238,880
3,238,881
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3,250,435
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3,266,425
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3,273,545
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3,285,186
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114 : 3,228,342
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3,241,493
3,255,700
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3,257,956
3,265,001
3,265,002
3,266,428
114 : 3,272,137
3,273,509
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3,291,473
115 : 3,230,890
3,238,880
3,241,743
3,241,820
3,246,574
3,252,423
3,253,546
3,253,548
3,260,210
3,265,009
3,272,138
3,273,503
3,275,019
3,280,755
117 : 3,227,326
118 : 3,238,884
3,244,110
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3,259,073
3,263,619
120 : 3,234,816
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123 : 3,247,802
3,272,285
3,273,502
124 : 3,291,271
125 : 3,255,630
126 : 3,228,588
3,232,234
3,236,187
3,236,571
3,237,276
3,238,883
3,242,867
3,258,093
3,263,425
3,267,862
3,270,681
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3,272,128
3,272,130
3,272,142
3,273,502
3,275,225
3,276,386
3,277,833
3,279,682
3,282,495
3,288,078
3,289,542
3,291,055
127 : 3,277,792
3,288,077
128 : 3,247,580
3,271,081
129 : 3,255,703
130 : 3,288,034
3,288,077
3,289,542
133 : 3,240,156
135 : 3,230,840
3,234,962
3,240,155
135 : 3,266,429
3,272,139
3,282,222
136 : 3,230,715
3,230,840
3,236,566
3,238,884
3,241,747
3,246,574
3,252,423
3,253,546
3,253,548
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3,273,503
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3,280,755
137 : 3,251,308
138 : 3,260,210
139 : 3,279,392
140 : 3,240,154
142 : 3,240,156
143 : 3,248,233
144 : 3,252,284
145 : 3,277,796
148 : 3,233,610
3,241,491
3,250,477
3,253,549
3,257,952
3,259,069
3,263,617
3,264,998
3,275,305
3,280,749
149 : 3,232,496
3,234,796
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3,289,232
3,292,667
150 : 3,227,314
3,228,036
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3,238,967
3,240,152
3,242,952
3,247,804
3,250,225
3,251,305
3,256,825
3,263,618
3,263,701
3,269,276
3,269,318
3,273,505
3,273,584
3,277,795
3,277,829
3,277,830
3,278,032
3,282,224
3,285,182
3,286,840
3,288,071
3,291,055
3,291,064
153 : 3,250,247
3,250,438
3,253,882
3,266,299
3,266,435
3,277,797
3,282,092
3,283,727
3,286,637
3,288,072
3,289,607
3,289,898
3,291,350
3,295,452
154 : 3,267,865
157 : 3,250,931
3,256,821
3,257,953
3,266,715
158 : 3,228,588
3,236,190
3,246,528
3,250,228
3,263,622
3,276,391
3,279,381
159 : 3,229,640
3,246,604
161 : Re.25,973
3,241,463
161 : 3,266,431
3,267,675
3,267,861
3,270,723
3,285,190
3,287,993
162 : 3,230,699
3,232,056
3,245,354
3,252,419
3,256,782
3,256,830
3,270,508
3,272,135
3,286,601
3,295,457
163 : 3,242,869
3,246,604
3,263,622
3,276,391
165 : 3,292,552
167 : 3,233,790
168 : 3,230,887
3,267,865
169 : 3,227,094
3,259,077
3,276,390
170 : 3,238,604
3,279,382
171 : 3,233,554
3,248,020
3,250,228
3,295,454
173 : 3,233,550
3,249,052
3,255,638
3,257,855
3,261,216
3,262,395
3,263,513
3,273,344
3,292,715
174 : 3,236,187
3,240,151
3,247,800
3,267,861
3,270,674
3,277,834
3,280,703
3,283,668
3,285,184
3,286,638
3,286,933
175 : 3,282,218
3,282,219
178 : 3,228,570
3,229,855
3,240,402
3,248,021
3,254,607
3,261,299
3,272,089
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3,286,756
179 : 3,227,086
3,242,869
3,249,054
3,267,872
151 : 3,267,867
152 : 3,228,036
3,242,355
3,242,952
3,267,867
3,288,071
192 : 3,270,687
202 : 3,228,345
3,238,604
3,240,157
3,240,158
3,241,492
3,244,110
3,250,228
3,251,309
3,257,953
3,263,620
3,265,003
3,270,674
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3,275,452
154 : 3,267,865
157 : 3,250,931
3,256,821
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3,266,715
158 : 3,228,588
3,236,190
3,246,528
3,250,228
3,263,622
3,276,391
3,279,381
159 : 3,229,640
3,246,604
161 : Re.25,973
3,241,463
204 : 3,244,112
3,250,228
3,253,882
3,256,827
3,259,075
3,266,435
3,279,383
3,288,075
3,295,452
3,295,453
3,295,457
211 : 3,237,568
3,257,951
3,259,070
3,267,866
212 : 3,266,435
213 : 3,231,148
3,257,953
3,259,077
3,260,211
3,260,213
3,282,092
215 : 3,236,188
3,236,190
3,251,310
3,252,424
3,259,076
3,274,941
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216 : 3,228,345
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3,238,890
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3,259,075
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3,269,327
3,270,674
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3,272,130
3,272,132
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3,276,390
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3,281,064
3,282,496
3,285,188
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3,289,601
3,289,649
3,291,053
3,291,059
3,291,060
3,292,550
3,292,551
217 : 3,228,345
3,237,567
3,240,151
3,240,157
3,240,158
3,240,158
3,244,110
3,249,062
3,251,309
3,257,953
3,269,328
3,269,372
3,270,686
3,272,130
3,274,943
3,276,386
3,280,754
3,280,756
3,282,222
3,286,643
3,286,644
203 : 3,228,343
3,238,887
3,240,152
3,242,867
3,263,767
218 : 3,234,885
3,237,562
3,242,872
3,255,705
3,266,435
3,273,507
3,282,224
219 : 3,282,340
220 : 3,239,064
3,254,769
3,255,699
3,256,820
3,260,214
3,273,717
3,281,063
3,283,911
3,285,186
3,288,294
3,295,453
3,267,872
223 : 3,250,224
3,250,247
3,252,425
3,255,779
3,261,296
3,269,319
3,273,577
3,273,596
3,280,749
3,291,065
3,292,661
224 : 3,272,144
3,292,733
225 : 3,250,219
3,256,835
3,266,384
227 : 3,236,185
3,238,891
3,256,825
3,256,835
3,266,433
3,273,512
3,279,382
3,279,383
3,286,637
3,288,072
3,295,454
228 : 3,227,325
3,229,864
3,234,888
3,238,890
3,250,219
3,254,845
3,259,070
3,259,073
3,259,280
3,260,213
3,260,217
3,265,007
3,267,866
3,269,318
3,277,829
3,277,837
3,278,069
3,285,182
3,285,191
3,291,054
3,291,055
3,291,066
229 : 3,250,228
230 : 3,272,132
231.5 : 3,246,596
.5 : 3,270,658
232 : 3,270,765
233 : 3,289,609
234 : 3,243,103
3,260,308
235 : 3,261,905
236 : 3,228,374
3,281,127
240 : 3,275,021
241 : 3,265,009
3,278,030
249 : 3,232,047
3,270,688
255 : 3,245,001
258 : 3,230,889
3,285,522
3,289,594
262 : 3,259,066
3,285,712
3,291,051
272 : 3,283,728
276 : 3,292,733
277 : 3,255,708
278 : 3,259,466
378 : 3,277,797

Class 104

1 : 3,233,559
3,272,982
3,276,743
2 : 3,250,027
3 : 3,283,926
7 : 3,272,148
10 : 3,263,076
12 : 3,269,017
3,292,558

Class 104 – Con.

18 : 3,238,893
20 : 3,236,191
22 : 3,260,479
23 : 3,233,556
3,238,894
3,246,608
25 : 3,247,947
26 : 3,234,378
3,244,874
3,247,372
3,251,991
3,253,141
3,253,142
3,268,725
3,283,146
28 : 3,236,191
34 : 3,244,293
3,259,365
35 : 3,252,586
3,257,968
3,269,334
38 : 3,256,809
44 : 3,232,448
3,255,711
3,255,899
45 : 3,232,242
3,278,199
47 : 3,251,311
48 : 3,254,376
3,261,484
3,274,953
49 : 3,255,861
3,256,809
50 : 3,230,896
3,255,897
52 : 3,233,567
60 : 3,239,963
3,276,393
3,290,498
3,291,392
88 : 3,244,269
3,252,603
3,260,349
3,263,073
3,265,013
89 : 3,233,556
3,235,059
3,247,539
3,249,063
3,249,064
3,254,609
3,289,981
91 : 3,255,897
3,263,627
93 : 3,252,429
3,261,304
3,263,626
95 : 3,268,062
96 : 3,229,645
3,230,897
3,247,806
3,274,953
98 : 3,252,586
3,255,897
103 : 3,254,609
104 : 3,250,230
105 : 3,241,197
106 : 3,265,011
108 : 3,236,192
111 : 3,267,874
112 : 3,247,933
3,253,553
3,260,479
115 : 3,274,954
118 : 3,286,651
3,295,249
119 : 3,234,891
120 : 3,245,103
3,246,609
121 : 3,252,428
3,263,627
123 : 3,244,113
3,247,539
124 : 3,236,192
125 : 3,236,193
128 : 3,260,220
130 : 3,236,191
3,238,893
3,242,876
3,252,428
3,257,963
3,261,300
3,267,874
134 : 3,232,366
3,238,894
3,261,177
3,261,550
3,273,727
3,276,222
147 : 3,272,149
3,285,195
148 : 3,228,607
148 : 3,235,024
3,243,917
3,263,364
3,263,625
149 : 3,229,086
3,239,962
3,239,963
3,252,248
3,263,625
150 : 3,290,498
151 : 3,277,839
152 : 3,253,143
153 : 3,227,870
154 : 3,280,934
155 : 3,257,964
161 : 3,233,556
162 : 3,244,114
3,254,875
3,260,220
3,286,652
163 : 3,230,896
167 : 3,236,191
3,238,893
3,267,875
168 : 3,249,065
172 : 3,229,791
3,235,246
3,242,874
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3,250,230
3,257,963
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176 : 3,260,219
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178 : 3,227,098
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180 : 3,257,965
183 : 3,229,644
202 : 3,280,570
224 : 3,257,966
229 : 3,261,304
232 : 3,261,303
3,261,304
3,267,876
243 : 3,240,291
244.1 : 3,235,009
.1 : 3,249,366
.1 : 3,291,532
247 : 3,234,891
3,235,024
3,241,263
3,254,608
3,257,964
3,263,364
3,276,393
250 : 3,238,895
3,251,311
3,252,427
3,289,813
262 : 3,296,433
279 : 3,243,573
3,249,211
3,263,075
3,264,472

Class 105

2 : 3,241,876
3,243,192
4 : 3,255,891
3,290,058
5 : 3,295,465
6 : 3,286,659
15 : 3,282,878
3,284,395
26 : 3,233,559
3,261,303
3,263,626
27 : 3,260,219
29 : 3,226,970
3,246,775
3,257,968
3,262,399
3,262,593
3,268,095
30 : 3,246,609
3,262,400
31 : 3,229,644
38 : 3,273,515
50 : 3,238,895
3,244,293
61 : 3,240,929
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62 : 3,273,515
63 : 3,277,839
73 : 3,276,394
3,285,196
75 : 3,241,498
3,265,014
82 : 3,228,349
96 : 3,288,083
3,288,084
.2 : 3,280,934
98 : 3,270,691
112 : 3,232,240
117 : 3,244,116
3,244,117
133 : 3,270,691
3,286,656
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3,288,084
139 : 3,233,560
141 : 3,251,313
144 : 3,234,891
3,286,857
145 : 3,240,291
3,245,103
147 : 3,245,355
3,262,593
148 : 3,257,965
3,261,304
3,289,981
149 : 3,262,740
150 : 3,227,097
3,238,895
3,244,113
3,252,427
3,261,303
3,261,304
3,262,400
3,263,626
3,265,011
3,267,876
151 : 3,295,249
152 : 3,289,243
153 : 3,229,883
154 : 3,244,293
3,261,477
155 : 3,236,192
3,236,193
3,253,552
156 : 3,245,355
159 : 3,290,058
162 : 3,232,240
163 : 3,252,586
165 : 3,292,559
166 : 3,230,899
167 : 3,230,899
168 : 3,254,610
169 : 3,254,610
171 : 3,253,554
3,286,653
172 : 3,270,691
3,288,083
3,288,084
173 : 3,238,897
175 : 3,277,843
176 : 3,269,332
178 : 3,272,147
3,292,559
180 : 3,254,610
182 : 3,269,332
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72 : 3,227,657
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73 : 3,232,772
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74 : 3,250,743
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75 : 3,275,497
80 : 3,285,762
81 : 3,241,990
84 : 3,230,099
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86 : 3,230,249
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88 : 3,232,772
89 : 3,232,778
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90 : 3,234,154
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91 : 3,279,934
92 : 3,261,700
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93 : 3,234,154
3,264,125
94 : 3,234,154
95 : 3,236,925
3,261,700
97 : 3,227,569
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98 : 3,227,569
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99 : 3,243,307
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Class 106—Con.

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3,288,171
100 : 3,233,973
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103 : 3,251,701
104 : 3,245,812
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107 : 3,287,145
109 : 3,251,702
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113 : 3,282,265
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115 : 3,256,223
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124 : 3,256,139
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223 : 3,278,567

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285 : 3,228,783
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298 : 3,276,892
299 : 3,247,019
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302 : 3,246,002
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302 : 3,256,291
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303 : 3,249,398
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304 : 3,256,291
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Class 107

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27 : 3,233,644
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28 : 3,259,082
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36 : 3,291,078
38 : 3,242,882
42 : 3,226,776
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44 : D206,449
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46 : D204,998
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Class 108

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49 : 3,259,923
3,276,731
50 : 3,227,106
3,232,662
3,239,270
3,270,693
3,271,044
3,272,582
3,295,473
51 : 3,228,358
3,232,252
3,237,760
3,238,901
3,244,123
3,247,810
3,259,417
3,265,240
3,272,157
3,275,131
3,276,094
3,276,808
52 : 3,229,836
53 : 3,229,836
3,237,786
3,247,982
3,292,778
55 : 3,228,205
3,240,351
3,246,824
3,259,309
3,289,613
56 : 3,240,364
3,251,320
57 : 3,227,112
58 : 3,246,744
3,255,720
59 : 3,245,161
3,272,582
3,280,989
60 : 3,269,547
3,285,424
61 : 3,238,904
62 : 3,227,105
3,244,124
3,250,234
64 : 3,227,487
3,230,908
3,236,003
3,241,885
3,267,881
66 : 3,295,473
79 : 3,246,614
81 : 3,279,872
83 : RE.26,061
88 : 3,236,485
90 : 3,241,885
3,295,906
91 : 3,230,910
3,256,039
92 : 3,230,907
3,259,082
3,276,399
3,289,367
93 : 3,257,155
3,279,131
94 : 3,245,545
96 : 3,279,131
97 : 3,259,082
99 : 3,256,037
101 : 3,236,389
3,263,355
102 : 3,238,904
103 : 3,230,908
3,283,913
104 : 3,245,545
105 : 3,243,050
3,257,155
106 : 3,259,081
3,273,519
3,276,403
3,281,104
107 : 3,229,824
3,255,722
3,273,720
3,279,876
108 : 3,234,897
3,263,821
3,281,102
3,285,208
3,286,662
3,290,846
109 : 3,269,338
3,295,902
110 : 3,241,685
111 : 3,229,790
3,244,127
3,246,611
3,249,101
3,259,079
3,264,783
3,289,614
3,291,501
112 : 3,246,614
3,265,017
3,287,074
114 : 3,241,885
3,261,307
115 : 3,232,250
3,240,170
3,256,037
3,259,426
3,271,914
3,276,545
116 : 3,261,308
3,295,475
118 : 3,242,887
3,267,889
124 : 3,247,811
127 : 3,235,038
129 : 3,261,488
3,271,075
131 : 3,245,364
132 : 3,246,611
133 : 3,270,693
134 : 3,227,110
3,267,879
135 : 3,232,250
3,233,563
136 : 3,236,412
3,261,308
138 : 3,257,975
3,265,020
3,271,859
3,280,458
140 : 3,273,517
141 : 3,272,157

141 : 3,273,487
142 : 3,253,858
3,254,891
143 : 3,280,766
3,288,302
3,288,360
144 : 3,228,360
3,229,790
3,229,824
3,230,910
3,231,306
3,234,897
39 : 3,266,447
40 : 3,289,617
49 : 3,258,508
3,267,908
71 : 3,250,598
72 : 3,241,595
75 : 3,280,770
80 : 3,245,401
97 : 3,238,902
3,269,361
98 : 3,242,910
99 : 3,230,682
3,234,703
3,239,972
3,239,984
102 : 3,246,442
3,256,004
3,284,979
3,287,872
101 : 3,291,114
104 : 3,260,227
3,267,891
3,280,882
106 : 3,246,635
3,250,016
3,273,520
3,274,961
108 : 3,274,960
3,289,618
3,295,479
113 : 3,241,506
147 : 3,250,686
160 : 3,251,406
165 : 3,262,429
167 : 3,280,000
176 : 3,266,644
179 : 3,276,442
182.5 : 3,255,734
184 : 3,256,004

Class 111

2 : 3,236,199
3,286,858
4 : 3,290,821
6 : 3,252,249
7 : 3,227,226
3,231,025
3,273,940
.2 : 3,260,417
11 : 3,232,255
33 : 3,250,333
34 : 3,276,404
36 : 3,276,404
52 : 3,269,749
67 : 3,291,222
73 : 3,247,812
76 : 3,247,812
3,253,922
77 : 3,240,174
3,276,404
78 : 3,276,404
85 : 3,228,363
3,228,485
3,237,702
3,251,325
3,261,310
3,290,821

Class 112

2 : 3,239,258
3,240,439
3,245,369
3,252,725
3,254,374
3,263,632
3,263,826
3,286,668
3,286,669
3,286,804
3,291,480
3,295,493
3,273,524
3,273,522
3,273,524
3,289,617
3,289,902
3,249,334
3,227,117

43 : 3,295,493
52 : 3,270,355
3,282,236
54 : 3,291,085
65 : 3,267,892
67 : 3,250,359
3,253,561
3,272,297
68 : 3,228,366
3,230,916
3,241,508
3,247,892
3,254,618
79 : 3,230,917
3,238,595
3,249,078
3,251,111
3,257,981
3,266,449
3,286,670
.5 : 3,250,447
.5 : 3,265,021
80 : 3,230,982
3,240,176
83 : 3,238,903
102 : 3,263,632
3,267,892
3,276,405
104 : 3,238,906
3,244,129
113 : 3,244,129
3,277,998
118 : 3,270,696
122 : 3,228,366
124 : 3,257,675
128 : 3,254,617
129 : 3,246,489
3,257,979
130 : 3,244,129
3,261,045
134 : 3,230,744
136 : 3,237,578
3,247,813
139 : 3,251,326
141 : 3,277,851
143 : 3,257,979
147 : 3,254,374
3,273,522
3,277,851
3,282,234
3,286,668
150 : 3,227,116
3,251,326
3,277,853
151 : 3,251,326
152 : 3,270,356
153 : 3,246,620
3,247,819
154 : 3,288,092
155 : 3,232,256
3,261,312
3,267,892
3,273,524
158 : 3,251,242
3,266,450
162 : 3,257,979
163 : 3,246,620
3,247,813
170 : 3,238,903
182 : 3,246,619
184 : 3,242,891
190 : 3,246,619
198 : 3,265,021
199 : 3,263,826
203 : 3,232,256
3,257,978
3,273,522
204 : 3,232,257
206 : 3,285,210
212 : 3,285,211
214 : 3,246,616
3,247,818
216 : 3,244,129
217 : 3,246,616
.1 : 3,253,870
.1 : 3,266,182
218 : 3,277,854
3,282,236
219 : 3,227,115
3,245,369
3,251,440
3,253,685
3,268,047
220 : 3,246,619
221 : 3,247,814
3,259,088
3,259,089
3,266,448
3,274,963
3,286,670
222 : 3,265,021
225 : 3,289,902
226 : 3,251,326
227 : 3,267,894

Class 112—Con.

227 : 3,282,237
234 : 3,253,558
235 : 3,227,116
3,233,569
3,240,439
3,246,620
3,251,326
3,257,979
3,272,161
3,272,162
3,295,484
237 : 3,251,326
239 : 3,245,369
252 : 3,228,366
3,230,916
3,267,892
3,272,160
253 : 3,254,616
3,273,523
3,274,962
256 : 3,254,740
257 : 3,251,326
258 : 205,200
260 : 3,246,620
3,247,813
3,257,979
261 : 3,279,401
262 : 3,232,256
3,233,570
3,234,061
3,247,813
3,295,483
265 : 3,263,238
266 : 3,229,652
3,238,595
3,241,507
3,251,111
3,259,088
3,288,092
267 : 3,228,050
269 : 3,246,621
400 : 3,281,905
405 : 3,226,732
410 : 3,230,917
3,238,595
3,249,078
3,251,111
3,262,128
3,272,685
3,285,796
3,285,797
412 : 3,262,408
420 : 3,242,508
3,260,640
3,270,696
427 : 3,279,530
429 : 3,279,221
437 : 3,233,570
438 : 3,260,640
439 : 3,240,176
441 : 3,234,061

Class 113

1 : 3,232,259
3,236,085
3,256,593
3,264,795
3,276,112
7 : 3,232,260
8 : 3,241,347
15 : 3,245,370
17 : 3,243,865
23 : 3,261,314
25 : 3,246,622
28 : 3,238,908
29 : 3,245,372
30 : 3,245,372
3,290,478
32 : 3,230,935
38 : 3,229,535
44 : 3,233,312
45 : 3,279,780
49 : 3,229,791
3,241,208
54 : 3,250,077
56 : 3,238,762
80 : 3,295,486
99 : 3,292,245
111 : 3,230,927
113 : 3,233,750
3,233,751
115 : 3,260,089
3,271,984
116 : 3,228,097
3,237,739
3,238,543
3,241,499
3,242,559
3,246,388
3,249,023
116 : 3,249,990
3,252,213
3,255,514
3,263,302
3,263,322
3,265,022
3,270,403
3,273,872
3,276,112
3,277,561
3,279,043
3,280,614
3,289,361
3,290,066
117 : 3,240,543
118 : 3,233,074
3,237,688
3,238,606
3,255,516
3,258,832
3,260,787
3,266,128
3,274,672
119 : 3,229,357
3,233,211
3,263,306
3,289,277
120 : 3,231,247
3,238,610
3,239,887
3,245,371
3,256,783
3,257,055
3,262,668
3,266,949
3,268,109
3,273,234
3,274,818
3,279,289
3,286,497
3,286,870
3,287,000
3,289,453
3,295,352
121 : 3,233,780
3,236,085
3,238,611
3,245,370
3,245,372
3,255,336
3,263,472
3,263,636
123 : 3,235,703

Class 114

.5 : 3,237,774
.5 : 3,246,476
.5 : 3,256,537
.5 : 3,261,176
.5 : 3,270,706
.5 : 3,271,964
.5 : 3,274,970
.5 : 3,276,209
.5 : 3,283,517
.5 : 3,289,419
.5 : 3,292,695
1 : 3,232,633
16 : 3,228,550
3,229,656
3,242,613
3,245,373
3,257,718
3,286,672
3,286,952
3,286,954
.6 : 3,248,072
20 : 3,254,488
3,276,410
.1 : 3,229,462
21 : 3,265,023
3,276,411
22 : 3,285,628
25 : 3,228,369
39 : 3,259,093
3,265,026
3,273,528
3,295,487
43.5 : Re.26,073
.5 : 3,237,414
.5 : 3,280,777
.5 : 3,285,435
44 : Re.26,073
3,289,627
45 : 3,276,211
48 : 3,276,211
51 : 3,266,353
54 : 3,292,564
56 : 3,226,739
3,259,092
61 : 3,236,202
3,289,226
62 : 3,259,093
62 : 3,288,100
66 : 3,240,186
.5 : 3,226,738
.5 : 3,227,125
.5 : 3,250,238
.5 : 3,276,415
.5 : 3,288,236
67 : 3,249,167
3,259,097
3,266,067
3,275,090
3,276,841
3,288,100
3,288,236
3,290,883
3,291,236
.1 : 3,275,090
72 : 3,273,527
3,291,324
74 : 3,227,331
3,237,414
3,243,150
3,246,623
3,253,746
3,260,231
3,261,586
3,272,373
3,282,361
3,286,677
3,289,415
3,291,351
77 : 3,253,565
78 : 3,247,822
84 : 3,246,349
85 : 3,229,433
91 : 3,269,685
99 : 3,265,032
102 : 3,247,821
3,272,167
103 : 3,249,327
106 : 3,285,215
108 : 3,270,494
111 : 3,271,203
112 : 3,285,215
116 : 3,288,097
121 : 3,240,449
122 : 3,279,263
123 : 3,232,261
3,247,821
3,265,026
125 : 3,228,368
3,285,216
3,286,286
126 : 3,247,820
127 : 3,226,738
138 : 3,291,088
144 : 3,238,957
3,274,849
3,277,431
3,280,311
3,290,881
145 : 3,247,667
3,247,820
148 : 3,228,368
150 : 3,234,856
3,271,954
151 : 3,241,770
3,247,667
3,250,072
3,250,475
3,251,185
3,258,916
3,266,733
155 : 3,283,738
162 : 3,250,072
163 : 3,232,264
176 : 3,276,396
183 : 3,289,592
184 : 3,273,333
185 : 3,262,413
191 : 3,228,577
202 : 3,261,133
3,270,801
203 : 3,291,514
206 : 3,276,368
3,287,781
3,295,153
207 : 3,279,412
208 : 3,291,092
218 : 3,233,934
3,257,971
219 : 3,232,366
3,235,244
3,237,587
3,254,491
3,270,701
3,284,122
222 : 3,279,198
230 : 3,236,266
3,236,267
3,240,363
3,273,928
3,295,489
232 : 3,276,841
235 : 3,260,232

Class 115

.5 : 3,242,914
.5 : 3,270,827
.5 : 3,292,373
1 : 3,244,134
3,254,730
3,266,588
3,266,591
3,270,588
3,283,498
3,288,237
6 : 3,280,789
.1 : 3,267,899
11 : 3,273,529
12 : 3,237,585
3,241,770
3,244,135
3,247,667
3,248,876
3,250,072
3,250,475
3,251,185
3,258,916
3,266,242
3,266,733
3,267,666
3,272,439
3,279,180
3,283,737
3,286,930
13 : 3,232,047
3,244,874
3,279,179
14 : 3,247,667
3,272,439
3,279,704
3,292,373
15 : 3,273,333
16 : 3,248,876
3,250,072
3,250,475
3,251,185
3,266,733
3,273,333
3,274,966
3,279,180
3,285,011
3,286,641
17 : 3,230,698
3,246,698
18 : 3,230,698
3,274,849
3,295,490
19 : 3,229,658
3,237,589
3,250,239
3,251,430
21 : 3,236,203
22.3 : 3,232,608
25 : 3,256,850
3,284,822
28 : 3,232,608
3,256,850
38 : 3,233,574
3,260,476
41 : 3,238,914
3,240,452
3,240,453
3,241,511
3,245,640
3,245,641
3,246,915
3,250,240
3,250,501
3,253,569
3,256,851
3,256,852
3,265,328
52 : 3,238,708
3,241,618
63 : 3,251,334
70 : 3,256,850

Class 116

2 : 3,272,533
25 : 3,277,859
27 : 3,246,286
3,246,289
3,265,152
3,267,421
28 : 3,236,552
3,237,330
3,280,790
3,287,555
31 : 3,233,575
34 : 3,235,684
3,241,514
3,251,336
34 : 3,283,300
35 : 3,268,909
41 : 3,266,151
60 : 3,277,859
63 : 3,231,994
3,233,352
3,237,592
3,239,957
3,256,625
3,256,629
3,287,840
65 : 3,255,857
67 : 3,230,785
3,253,536
3,268,916
3,281,781
3,295,833
70 : 3,231,182
3,244,282
3,250,873
3,254,670
3,259,144
3,267,421
3,276,417
3,276,586
3,286,508
3,287,979
3,288,101
3,292,428
73 : 3,230,921
74 : 3,230,921
3,277,859
75 : 3,272,533
79 : 3,272,533
101 : 3,266,315
3,274,994
102 : 3,268,345
105 : 3,236,492
3,238,874
110 : 3,246,757
112 : 3,244,137
114 : 3,228,735
3,229,659
3,233,433
3,233,616
3,237,505
3,238,020
3,238,644
3,240,183
3,246,758
3,246,934
3,250,996
3,253,295
3,253,891
3,254,557
3,260,112
3,263,647
3,263,892
3,267,739
3,269,191
3,274,694
3,276,416
3,276,813
3,279,418
3,282,650
3,287,156
3,288,343
3,290,669
3,292,360
.19: 3,243,303
.2 : 3,279,078
.5 : 3,244,137
.5 : 3,256,518
.5 : 3,280,629
.5 : 3,290,942
.5 : 3,291,617
115 : 3,241,515
3,267,413
3,275,260
3,282,650
.5 : 3,269,353
.5 : 3,276,240
116 : 3,247,724
3,276,813
117 : 3,240,007
3,247,499
3,248,946
3,263,403
3,282,650
118 : 3,236,535
3,240,007
3,241,369
3,258,968
3,272,011
3,293,390
3,293,791
119 : 3,229,344
3,269,752
120 : 3,292,927
121 : 3,285,459
124 : 3,227,375
3,231,857
3,251,493
124 : 3,255,857
3,269,108
3,269,211
3,275,174
3,278,925
3,282,242
.1 : 3,232,401
.1 : 3,254,540
.1 : 3,266,722
.1 : 3,273,407
.1 : 3,285,078
.4 : 3,264,625
.4 : 3,281,861
125 : 3,233,575
3,238,968
3,254,669
129 : 3,229,779
3,232,401
3,245,255
3,246,134
3,248,050
3,254,533
3,256,774
3,257,606
3,257,748
3,257,845
3,262,224
3,262,509
3,263,503
3,264,769
3,266,583
3,269,108
3,269,473
3,270,201
3,272,589
3,276,418
3,278,740
3,282,105
3,282,242
131 : 3,284,936
132 : 3,234,892
3,246,934
3,247,500
133 : 3,227,127
3,229,659
3,230,785
3,232,401
3,233,322
3,233,345
3,238,652
3,247,701
3,254,669
3,259,311
3,269,211
3,275,235
3,280,788
3,281,967
3,290,811
3,292,927
135 : 3,229,903
3,240,183
3,268,908
3,281,071
3,281,967
3,290,691
3,290,797
3,292,284
3,292,851
136 : 3,254,894
.5 : 3,227,129
.5 : 3,263,531
.5 : 3,284,272
137 : 3,229,448
3,237,384
3,246,289
3,254,424
3,257,988
3,258,205
3,267,421
3,275,977
3,277,437
3,278,165
3,281,948
3,285,362
3,285,517
3,292,727
143 : 3,271,898
144 : 3,286,395
149 : 3,251,182
158 : 3,277,859
169 : 3,251,056
3,273,530
173 : 3,229,316
3,234,903
3,255,725
3,262,414
3,273,118
3,280,789
174 : 3,239,957

Class 117

1 : 3,245,674

8.5 : 3,255,032
9 : 3,256,811
3,262,128
3,282,721
3,296,025
10 : 3,236,926
3,241,429
3,244,544
3,260,577
3,268,354
3,293,094
3,293,108
11 : 3,241,429
3,243,488
3,244,544
3,257,252
3,265,555
3,278,322
3,281,257
3,296,016
12 : 3,245,810
3,264,144
3,282,200
13 : 3,239,364
15 : 3,239,365
3,262,838
3,278,322
3,280,108
3,287,193
16 : 3,278,329
3,279,936
3,293,105
17 : 3,240,579
3,247,014
3,256,811
3,262,128
3,269,356
3,273,016
3,278,656
3,282,249
.5 : 3,227,549
.5 : 3,231,374
.5 : 3,232,190
.5 : 3,234,017
.5 : 3,234,018
.5 : 3,234,019
.5 : 3,234,044
.5 : 3,234,904
.5 : 3,236,639
.5 : 3,236,776
.5 : 3,238,041
.5 : 3,239,465
.5 : 3,240,596
.5 : 3,241,466
.5 : 3,241,483
.5 : 3,244,517
.5 : 3,245,341
.5 : 3,245,381
.5 : 3,247,794
.5 : 3,248,216
.5 : 3,251,685
.5 : 3,254,626
.5 : 3,254,997
.5 : 3,255,730
.5 : 3,256,002
.5 : 3,256,089
.5 : 3,256,197
.5 : 3,256,811
.5 : 3,260,195
.5 : 3,263,127
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Class 117—Con.

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167 : 3,227,456
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206 : 3,259,970
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652 : 3,226,806

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3,269,354
3,270,710
3,273,572
3,277,656
3,278,331
3,293,074
70 : 3,250,381
3,251,340
72 : 3,227,133
75 : 3,237,230
76 : 3,259,519
3,284,570
101 : 3,241,521
101 : 3,257,226
3,260,577
3,268,351
102 : 3,250,829
3,259,535
103 : 3,235,401
3,251,338
3,260,577
104 : 3,249,088
3,271,187
105 : 3,237,594
3,278,324
106 : 3,233,576
3,235,400
109 : 3,253,943
3,264,132
110 : 3,238,917
3,271,187
115 : 3,251,710
117 : 3,238,058
3,238,917
3,271,184
118 : 3,228,788
3,251,338
3,256,854
119 : 3,249,088
3,263,460
122 : 3,238,058
3,260,078
123 : 3,260,577
125 : 3,231,414
3,273,190
3,278,330
126 : 3,237,595
3,255,038
3,291,097
200 : 3,241,483
202 : 3,230,106
3,239,367
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203 : 3,245,379
204 : 3,233,586
205 : 3,269,421
206 : 3,251,338
3,293,067
207 : 3,273,532
209 : 3,261,288
211 : 3,241,517
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212 : 3,268,982
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213 : 3,241,483
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217 : 3,260,078
218 : 3,251,707
220 : 3,296,057
221 : 3,244,139
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222 : 3,255,726
3,289,631
223 : 3,239,367
224 : 3,237,231
3,242,843
225 : 3,227,131
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3,237,230
3,251,707
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227 : 3,274,971
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230 : 3,252,804
231 : 3,266,354
232 : 3,241,518
233 : 3,251,707
234 : 3,257,245
3,268,312
3,291,638
235 : 3,232,557
3,278,330
236 : 3,252,701
3,262,418
3,262,422
238 : 3,265,035
3,279,426
3,291,637
239 : 3,250,244
241 : 3,227,131
3,269,355
243 : 3,234,874
3,255,726
3,284,570
244 : 3,247,007
3,269,355
3,276,421
3,288,107

244 : 3,291,638
3,292,642
245 : 3,246,628
3,252,701
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246 : 3,228,788
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247 : 3,227,077
3,292,572
249 : 3,237,595
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3,245,381
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3,257,245
3,265,034
3,271,187
3,280,793
3,292,572
252 : 3,284,570
253 : 3,244,140
3,253,575
3,282,246
254 : 3,232,812
3,269,421
3,271,850
255 : 3,255,726
3,268,312
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256 : 3,265,035
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257 : 3,233,543
3,237,230
3,244,139
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3,273,532
3,291,637
258 : 3,273,533
3,286,687
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259 : 3,237,277
3,237,597
3,255,729
3,268,312
260 : 3,227,080
261 : 3,250,245
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3,261,893
3,272,177
3,272,178
3,273,532
3,277,867
3,279,425
3,289,631
262 : 3,239,367
3,250,244
3,261,287
3,265,034
3,266,461
3,283,712
3,285,169
3,286,687
263 : 3,241,517
3,255,726
264 : 3,227,073
3,229,787
3,253,575
3,272,533
266 : 3,227,131
267 : 3,242,856
268 : 3,241,518
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304 : 3,238,917
305 : 3,229,660
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306 : 3,245,824
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309 : 3,241,224
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310 : 3,247,004
312 : 3,262,423
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314 : 3,230,925
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3,259,138
315 : 3,229,660
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3,256,581
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3,270,711
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317 : 3,246,625
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323 : 3,229,660
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404 : 3,257,116
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405 : 3,227,577
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3,233,585
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407 : 3,231,418
3,235,400
408 : 3,231,948
3,237,594
3,269,421
409 : 3,260,611
410 : 3,227,135
3,238,921
3,244,142
3,244,552
3,251,081
3,256,855
3,271,800
3,277,493
3,282,192
3,292,191
3,295,495
411 : 3,231,406
3,266,459
412 : 3,274,307
.03: 3,236,208
620 : 3,233,578
3,266,943
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413 : 3,239,871
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3,292,575
414 : 3,279,424
415 : 3,228,047
3,231,406
3,239,871
3,261,184
3,262,418
3,289,241
3,292,575
416 : 3,270,710
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417 : 3,259,519
418 : 3,261,185
3,268,356
3,285,223
3,286,718
419 : 3,234,041
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3,238,084
3,238,917
3,244,552
631 : 3,248,253
3,265,522
3,272,176
3,287,158
420 : 3,227,577
3,238,059
3,251,339
3,258,943
3,274,027
3,291,097
3,244,083
421 : 3,227,135
3,250,248
3,254,623
3,254,625
3,261,707
3,285,225
3,294,494
423 : 3,236,680
3,238,917
3,240,607
3,253,943
3,262,420
3,270,710
3,274,027
425 : 3,231,946
3,256,567
3,261,707
3,266,459
3,273,572
3,278,991
427 : 3,238,058
3,271,184
3,274,027
3,285,224
428 : 3,262,418
3,274,043
3,285,225
429 : 3,227,130
3,227,135
3,227,136
3,227,577
3,231,413
3,233,582
3,233,585
3,240,607
3,249,088
3,250,248
3,254,625
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3,273,535
3,273,572
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3,282,249
3,292,573
500 : 3,230,109
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3,247,004
3,250,246
3,261,322
501 : 3,230,927
503 : 3,269,355
504 : 3,228,794
504 : 3,241,519
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3,279,937
506 : 3,249,087
3,264,163
600 : 3,233,576
602 : 3,242,902
603 : 3,233,579
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612 : 3,274,307
620 : 3,233,578
3,266,943
3,290,179
622 : 3,248,253
3,279,937
623 : 3,250,636
3,268,171
624 : 3,253,782
3,265,306
3,275,239
625 : 3,278,940
626 : 3,251,551
3,275,239
627 : 3,233,831
3,248,059
3,248,253
630 : 3,248,253
3,277,493
631 : 3,248,253
3,263,127
3,279,421
636 : 3,273,016
637 : 3,229,603
3,232,190
3,238,053
3,241,466
3,241,957
3,244,083
3,244,084
3,244,546
3,245,330
3,245,341
3,247,007
3,251,706
3,254,215
3,256,002
3,256,792
3,257,222
3,257,223
3,257,224
3,261,284
3,262,806
3,263,234
3,266,046
3,267,840
3,268,351
3,273,496
3,281,857
3,283,334
3,283,680
3,283,703
3,284,224
3,288,624
3,292,572
3,295,440
638 : 3,241,483
639 : 3,290,169
640 : 3,245,895
3,256,112
3,273,016
642 : 3,228,113
3,244,144

Class 119

1 : 3,234,935
3,252,402
3,254,621
3,284,273
3,286,826
2 : 3,279,430
3 : 3,234,123
3,237,339
3,260,238
3,264,772
5 : 3,227,137
3,235,877
3,236,206
3,240,186
3,254,621
3,255,731
5 : 3,261,471
3,265,388
3,269,578
3,273,717
3,279,430
3,283,743
3,287,041
6 : 3,239,413
3,275,446
3,295,983
9 : 3,292,965
3,292,967
3,293,358
.03: 3,233,589
.03: 3,236,208
.03: 3,261,324
.03: 3,284,948
.05: 3,233,589
.05: 3,242,903
.05: 3,273,514
.08: 3,246,631
.09: 3,254,700
.09: 3,271,968
.11: 3,279,431
.11: 3,285,297
.11: 3,292,580
.14: 3,236,208
.14: 3,241,372
.14: 3,242,903
.17: 3,289,633
.18: 3,246,631
.18: 3,273,514
.18: 3,285,297
.25: 3,236,207
.31: 3,255,732
.32: 3,234,906
.36: 3,255,732
.40: 3,236,208
.43: 3,242,903
.46: 3,232,273
.46: 3,273,514
.47: 3,236,207
.49: 3,234,906
.54: 3,270,712
15 : 3,244,359
16 : 3,284,948
17 : 3,241,523
3,272,376
18 : 3,227,139
3,234,907
3,254,627
3,269,358
3,274,972
3,279,433
19 : 3,234,915
3,238,922
3,244,359
3,260,239
20 : 3,283,744
22 : 3,228,375
3,263,257
3,264,667
3,274,973
3,292,582
25 : 3,226,877
27 : 3,246,631
3,266,463
28 : 3,228,375
3,229,663
3,244,147
3,261,324
3,274,973
3,283,744
29 : 3,260,236
3,292,578
37 : 3,237,599
39 : 3,237,599
45 : 3,234,915
3,242,904
3,260,239
3,279,432
48 : 3,234,909
3,292,583
3,292,770
51 : 3,233,864
3,241,525
3,254,729
3,260,238
3,276,163
3,287,807
.11: 3,254,878
.11: 3,259,275
.11: 3,265,036
.11: 3,279,436
.11: 3,295,500
.13: 3,254,878
.5 : 3,265,036
52 : 3,229,663
3,241,653
3,245,515
3,245,516
3,251,292
3,251,454
3,256,864
3,261,324
52 : 3,266,462
3,268,067
3,272,400
3,273,759
3,276,567
3,279,592
3,283,744
3,295,498
53 : 3,231,071
3,233,590
3,234,911
3,256,972
3,269,358
3,291,281
56 : 3,230,933
3,233,721
3,234,910
3,237,807
3,250,277
3,252,444
3,254,798
3,256,862
3,263,801
3,265,188
3,282,252
3,292,585
3,295,500
57 : 3,238,865
58 : 3,234,935
3,257,145
60 : 3,257,145
3,273,537
61 : 3,253,576
62 : 3,241,525
63 : 3,252,445
3,269,359
71 : 3,228,377
3,285,226
3,289,635
72 : 3,265,036
3,285,227
.5 : 3,251,342
75 : 3,289,635
77 : 3,267,964
78 : 3,270,770
3,286,724
3,292,588
81 : 3,241,526
3,264,888
3,275,026
82 : 3,292,967
83 : 3,267,903
96 : 3,286,693
99 : 3,229,324
3,239,875
102 : 3,229,667
103 : 3,250,251
106 : 3,260,034
109 : 3,244,149
3,266,464
3,295,501
110 : 3,269,094
114 : 3,292,226
126 : 3,266,463
128 : 3,284,273
143 : 3,257,990
147 : 3,229,666
3,245,383
153 : 3,244,149
157 : 3,239,192
158 : 3,259,105
159 : 3,246,631
3,267,903

Class 120

1 : 3,245,164
3,246,875
3,251,343
3,261,548
3,281,975
4 : 3,270,752
6 : 3,282,246
8 : 3,254,836
9 : 3,250,033
3,272,184
12 : 3,292,592
13 : 3,256,980
3,278,973
14.3 : 3,250,254
.5 : 3,233,593
.5 : 3,291,101
18 : 3,232,275
3,232,276
3,275,132
3,293,658
19 : 3,249,092
3,265,201
22 : 3,288,113
23 : 3,236,366
3,271,091
32 : 3,250,020
3,265,037
35 : 3,249,091
36 : 3,237,748
3,238,552
42 : 3,291,102
.03: 3,233,592
.03: 3,237,605
.03: 3,274,975
.03: 3,289,636
.03: 3,289,637
.06: 3,238,533
.06: 3,247,519
.06: 3,252,164
.06: 3,264,652
.06: 3,278,942
.06: 3,289,211
.07: 3,246,397
.13: 3,260,241
.13: 3,282,253
.16: 3,246,632
.2 : 3,233,543
.4 : 3,252,214
.4 : 3,273,541
.4 : 3,281,933
.4 : 3,285,228
45 : 3,233,275
.4 : 3,232,279
46 : 3,282,255
48 : 3,285,228
50 : 3,237,606
3,291,102
83 : 3,245,146
84 : 3,232,275
3,232,276
3,232,277
85 : 3,264,736
93 : 3,232,277
3,289,641
96 : 3,250,257
108 : 3,273,846
109 : 3,292,595
116 : 3,235,706

Class 121

194 : 3,279,267

Class 122

4 : 3,276,203
3,291,199
5 : 3,287,090
6 : 3,245,401
7 : 3,229,746
3,237,677
3,254,634
3,256,924
3,279,520
3,292,345
3,260,050
11 : 3,275,798
15 : 3,292,609
23 : 3,228,451
24 : 3,252,496
3,267,985
26 : 3,273,631
31 : 3,283,828
32 : 3,244,152
3,244,225
3,245,464
3,251,404
3,256,991
3,265,590
3,266,566
3,269,385
33 : 3,279,438
34 : 3,234,920
3,240,678
40 : 3,243,575
3,245,250
140 : 3,259,107
146 : 3,281,573
151 : 3,259,108
155 : 3,292,609
179 : 3,280,551
182 : 3,287,090
235 : 3,232,282
3,249,093
3,250,598
3,282,652
240 : 3,227,151
3,240,204
3,265,038
3,265,039
248 : 3,237,609
3,238,667
249 : 3,256,932
250 : 3,236,211
3,242,345
253 : 3,233,595
333 : 3,266,480
355 : 3,262,494
356 : 3,230,052
3,237,610
3,238,670

Class 122—Con.

356 : 3,240,204
3,245,395
3,246,634
3,254,635
3,291,104
367 : 3,233,596
3,238,670
3,242,910
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3,269,363
3,269,367
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3,291,103
379 : 3,245,460
3,259,179
3,261,765
382 : 3,291,964
384 : 3,259,466
406 : 3,226,932
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3,236,297
3,242,678
3,243,961
3,247,830
3,254,631
3,269,360
3,269,362
3,271,961
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3,292,372
3,295,605
407 : 3,234,103
3,274,065
3,287,228
408 : 3,229,683
412 : 3,269,360
421 : 3,289,643
439 : 3,295,503
448 : 3,236,449
3,244,898
451 : 3,244,898
.1 : 3,240,675
459 : 3,258,196
468 : 3,263,422
3,263,423
477 : 3,263,422
3,263,423
478 : 3,245,385
479 : 3,257,993
3,260,244
3,283,801
3,287,001
483 : 3,254,633
3,262,428
3,267,907
3,279,439
485 : 3,269,368
487 : 3,228,667
488 : 3,279,438
489 : 3,267,678
491 : 3,242,909
493 : 3,232,282
494 : 3,229,672
3,256,069
3,265,041
498 : 3,245,401
510 : 3,240,681
3,247,897
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3,263,672
3,269,362
3,274,977
3,277,870
3,280,799
3,280,905
3,286,767
511 : 3,240,266
3,291,962

Class 123

1 : 3,248,187
3,267,920
3 : 3,296,449
8 : 3,228,183
3,228,196
3,229,899
3,235,171
3,239,135
3,240,423
3,246,835
3,251,541
3,254,489
3,260,135
3,261,542
3,263,912
3,263,913
3,268,156
3,268,157
3,270,954
3,276,676
8 : 3,277,796
3,279,279
3,279,392
3,279,442
3,281,064
3,282,495
3,282,496
3,284,087
3,286,646
3,286,912
3,295,505
3,295,754
11 : 3,227,090
12 : 3,241,745
3,273,341
13 : 3,232,041
16 : 3,240,189
23 : 3,233,467
30 : 3,238,931
3,270,733
.2 : 3,273,551
31 : 3,241,768
32 : 3,240,190
3,258,618
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3,288,379
.1 : 3,295,506
33 : 3,238,931
3,244,158
3,257,994
3,259,116
3,263,659
39 : 3,278,084
41.08: 3,265,048
.08: 3,283,498
.09: 3,262,534
.12: 3,227,254
.12: 3,253,687
.12: 3,262,528
.12: 3,268,042
.12: 3,270,588
.12: 3,273,681
.12: 3,283,527
.15: 3,246,641
.15: 3,278,803
.15: 3,292,427
.19: 3,228,189
.2 : 3,228,189
.23: 3,228,189
.27: 3,265,048
.31: 3,229,456
.31: 3,269,110
.33: 3,265,126
.35: 3,230,941
.35: 3,272,092
.37: 3,250,931
.39: 3,292,244
.44: 3,234,884
.46: 3,272,188
.48: 3,226,918
.51: 3,265,048
.54: 3,255,740
.54: 3,275,070
.55: 3,228,189
.58: 3,236,215
.6 : 3,236,215
.65: 3,236,215
.65: 3,259,752
.69: 3,276,082
.72: 3,251,279
.74: 3,261,337
.74: 3,279,443
.82: 3,233,598
.84: 3,279,443
.86: 3,229,591
.86: 3,271,938
.86: 3,280,808
43 : 3,289,655
44 : 3,292,603
45 : 3,232,055
46 : 3,234,395
3,249,097
3,255,822
3,269,321
48 : 3,270,730
51 : 3,260,249
52 : 3,230,944
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3,283,751
53 : 3,260,249
3,266,472
3,274,982
55 : 3,233,598
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3,277,743
56 : 3,252,452
3,258,992
3,290,950
58 : 3,240,127
3,257,855
59 : 3,230,944
61 : 3,249,097
65 : 3,242,665
3,254,484
3,274,901
3,274,982
68 : 3,237,397
3,249,097
69 : 3,252,452
3,274,982
73 : 3,249,097
3,252,452
3,269,374
3,274,901
3,280,805
3,289,656
74 : 3,269,321
75 : 3,266,234
81 : 3,274,901
82 : 3,261,338
90 : 3,234,815
3,234,923
3,255,513
3,258,937
3,265,052
3,273,546
3,276,438
91 : 3,255,739
97 : 3,236,344
3,251,352
3,252,451
3,254,743
3,265,373
3,270,724
3,282,261
3,287,007
98 : 3,237,527
3,253,822
3,254,638
3,273,552
99 : 3,229,792
3,273,552
102 : 3,229,546
3,239,026
3,249,175
3,252,539
3,253,774
3,266,791
3,268,027
3,281,783
3,291,246
103 : 3,229,546
3,237,527
3,238,956
3,245,494
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3,249,176
3,252,450
3,253,772
3,253,773
3,254,638
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3,269,713
3,270,724
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3,289,659
106 : 3,279,447
108 : 3,276,439
117 : 3,289,659
118 : 3,273,552
119 : Re.26,023
3,227,428
3,228,666
3,229,456
3,231,248
3,232,042
3,233,403
3,233,598
3,236,214
3,237,927
3,238,713
3,240,196
3,243,168
3,246,886
3,248,094
3,248,096
3,248,675
3,249,344
3,250,068
3,252,539
3,253,822
3,257,796
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119 : 3,266,783
3,267,661
3,270,724
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3,282,046
3,282,573
3,282,664
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3,283,751
3,285,233
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3,286,459
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3,287,898
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3,289,661
3,291,461
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3,292,364
3,292,367
120 : 3,247,798
122 : 3,237,926
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3,282,261
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124 : 3,246,886
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126 : 3,273,549
127 : 3,249,099
3,259,376
3,272,483
3,279,767
3,282,261
133 : 3,227,427
3,273,983
136 : 3,236,221
3,256,870
3,276,508
137 : 3,252,424
139 : 3,228,339
3,230,946
3,231,003
3,236,221
3,237,568
3,240,191
3,240,192
3,241,494
3,244,377
3,247,798
3,247,799
3,247,833
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3,272,187
3,281,129
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3,288,445
3,289,661
140 : 3,241,491
3,250,261
3,269,378
3,276,439
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141 : 3,283,482
142 : 3,228,331
3,288,578
.5 : 3,229,069
.5 : 3,233,077
.5 : 3,249,737
.5 : 3,251,017
.5 : 3,277,886
.5 : 3,280,298
145 : 3,252,122
3,296,496
146.5 : 3,249,100
.5 : 3,272,930
.5 : 3,278,803
148 : 3,229,153
3,229,154
3,234,430
3,235,742
3,241,050
3,244,924
3,248,604
3,249,808
3,250,867
3,252,049
3,253,168
3,253,187
3,259,703
3,259,799
3,262,019
3,264,486
3,264,825
3,271,593
3,271,624
3,273,014
148 : 3,277,875
3,292,603
3,293,352
3,293,492
149 : 3,249,097
169 : 3,238,447
179 : 3,229,792
3,248,555
3,259,753
3,270,731
3,274,394
3,274,855
3,275,177
3,275,836
3,280,259
3,285,361
185 : 3,252,449
3,270,732
188 : 3,230,944
3,233,599
3,254,637
3,274,981
3,280,806
3,289,658
190 : 3,274,901
191 : 3,230,944
3,261,723
3,274,981
3,279,443
3,289,658
193 : 3,230,940
3,251,279
3,251,349
3,260,252
3,279,443
3,282,262
195 : 3,230,944
3,240,423
3,251,279
3,274,781
196 : 3,280,940
3,286,792
3,292,373
197 : 3,260,249
198 : 3,237,741
3,240,197
3,244,377
3,251,352
3,252,452
3,256,869
3,259,752
3,261,336
3,263,413
3,270,724
3,280,858
200 : 3,284,351

Class 124

1 : 3,236,521
3,269,055
3,271,033
3,288,467
2 : 3,267,600
3,286,392
3 : 3,254,564
3,295,412
4 : 3,254,892
5 : 3,264,777
7 : 3,273,282
11 : 3,229,418
3,229,420
3,236,521
12 : 3,266,806
13 : 3,271,033
14 : 3,236,521
3,279,115
15 : 3,236,222
3,251,353
16 : 3,233,902
3,245,170
3,266,184
3,279,449
3,282,262
17 : 3,286,392
20 : 3,274,715
23 : 3,227,454
3,246,338
3,288,988
24 : 3,286,961
3,292,607
26 : 3,233,357
3,258,267
3,264,782
3,265,391
27 : 3,232,285
3,245,392
3,292,295
29 : 3,232,618
30 : 3,227,148
3,236,222
3,236,224
30 : 3,238,935
3,246,895
3,251,353
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3,262,440
3,265,055
3,269,380
3,272,194
3,277,879
3,288,127
31 : 3,229,418
3,232,285
3,270,735
34 : 3,233,357
3,238,663
3,256,873
3,273,282
3,274,715
35 : 3,265,054
3,269,380
3,277,878
36 : 3,236,222
3,244,132
3,245,170
3,245,391
3,252,453
3,254,639
3,261,340
3,261,341
3,262,439
3,272,194
3,273,282
3,274,986
37 : 3,232,285
3,233,602
3,236,223
3,241,541
3,245,392
3,247,836
3,253,586
3,254,640
3,255,745
3,261,342
3,274,986
38 : 3,246,895
39 : 3,277,879
40 : 3,233,600
3,233,601
3,245,392
3,265,054
41 : 3,227,148
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3,232,285
3,232,286
3,236,223
3,236,521
3,244,161
3,251,353
3,254,639
3,255,745
3,258,267
3,261,340
3,261,342
3,262,439
3,273,282
3,273,553
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3,285,236
43 : 3,244,132
47 : 3,244,132
48 : 3,244,132
49 : 3,241,541
3,274,986
50 : 3,233,600
3,252,453
3,262,439
3,263,664
3,270,734
3,277,879
3,285,236
51 : 3,236,521
3,269,379
3,272,194
52 : 3,236,521
3,245,392
53 : 3,227,148
3,236,222
3,262,440
3,269,379

Class 125

1 : 3,245,721
3,251,394
11 : 3,271,908
3,273,293
3,289,354
.15: 3,232,099
13 : 3,261,383
3,266,476
14 : 3,273,939
15 : 3,271,911
15 : 3,291,583
17 : 3,286,987
21 : 3,257,792
23 : 3,230,625
3,247,576
3,257,626
3,266,967
26 : 3,292,310
30 : 3,267,618
3,279,127
35 : 3,265,056
37 : 3,263,668
39 : 3,271,036
40 : 3,292,976

Class 126

4 : 3,246,842
5 : 3,246,644
8 : 3,289,666
9 : Re.26,123
3,237,621
3,254,590
3,286,705
15 : 3,241,542
3,270,737
18 : 3,228,319
19 : 3,263,593
3,263,594
3,266,409
3,271,322
3,290,483
3,293,410
3,293,411
20 : 3,236,172
3,256,804
21 : 3,246,690
3,261,484
3,261,650
3,288,129
3,295,434
25 : 3,228,319
3,230,863
3,245,398
3,249,101
3,254,590
3,276,351
3,285,238
3,286,620
3,288,050
36 : 3,295,509
37 : 3,251,354
38 : 3,292,668
39 : 3,236,448
3,257,543
41 : 3,241,543
3,244,163
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3,263,593
3,263,594
3,269,299
3,286,620
3,289,801
43 : 3,229,679
3,262,445
3,262,765
3,281,018
59 : 3,292,609
.5 : 3,230,667
.5 : 3,263,979
.5 : 3,279,193
.5 : 3,292,306
76 : 3,258,003
77 : 3,263,671
83 : 3,234,930
85 : 3,236,454
3,274,918
3,274,989
90 : 3,233,883
3,254,642
91 : 3,241,544
3,241,609
92 : 3,227,149
3,228,668
3,233,653
3,236,160
3,237,679
3,245,356
3,245,458
3,248,099
3,260,460
3,269,449
3,277,882
93 : 3,240,256
95 : 3,229,679
96 : 3,279,524
101 : 3,277,275
102 : 3,260,836
106 : 3,260,836
109 : 3,232,591
3,258,508
110 : 3,227,150
3,228,458

110 : 3,236,454
3,236,508
3,241,544
3,245,396
3,251,406
3,256,003
3,259,318
3,260,298
3,260,460
3,261,597
3,263,749
3,265,376
3,277,947
3,279,455
3,290,028
3,295,749
112 : 3,292,682
113 : 3,229,910
3,229,966
3,246,643
3,265,371
3,279,772
3,285,586
3,290,866
114 : 3,236,508
3,267,928
116 : 3,232,591
3,233,603
3,258,052
3,259,318
3,274,990
3,274,991
3,280,297
3,280,815
117 : 3,251,406
120 : 3,271,914
121 : 3,277,882
127 : 3,240,206
3,254,642
132 : 3,244,164
140 : 3,277,882
144 : 3,266,478
152 : 3,250,598
163 : 3,236,225
3,269,383
191 : 3,248,161
3,286,706
194 : 3,250,267
200 : 3,234,899
202 : 3,285,593
208 : 3,295,594
211 : 3,267,492
214 : 3,257,543
242 : 3,250,598
248 : 3,280,813
261 : 3,288,129
262 : 3,287,140
263 : 3,228,403
3,240,396
3,265,125
3,281,018
265 : 3,268,104
3,273,739
270 : 3,232,795
3,244,186
3,266,565
3,275,829
3,285,333
271 : 3,236,294
3,239,000
3,239,144
3,251,407
3,254,701
3,254,702
3,254,703
3,262,493
3,279,527
3,282,327
3,286,606
3,290,230
.1 : 3,248,133
.1 : 3,249,737
.1 : 3,272,964
.2 : 3,264,472
.2 : 3,270,632
273 : 3,255,746
3,263,593
3,263,594
3,266,477
3,280,814
274 : 3,228,319
284 : 3,277,276
285 : 3,228,605
3,289,729
287.5 : 3,248,055
293 : 3,273,625
299 : 3,251,290
3,260,189
3,263,595
3,278,114
3,279,681
3,292,524
3,292,525
3,295,433
307 : 3,241,544
3,245,397
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3,259,318
3,274,918
3,274,982
312 : 3,228,668
326 : 3,229,612
339 : 3,291,113
340 : 3,246,939
3,267,835
343.5 : 3,228,466
.5 : 3,252,655
.5 : 3,261,965
.5 : 3,277,276
.5 : 3,281,573
.5 : 3,281,576
.5 : 3,293,412
344 : 3,277,274
3,291,112
348 : 3,256,904
350 : 3,229,749
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351 : 3,265,299
360 : 3,228,390
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3,270,741
3,274,918
3,289,439
361 : 3,275,798
362 : 3,238,998
3,240,261
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366 : 3,246,761
369 : 3,236,172
3,276,350
3,289,571
.1 : 3,287,140
.3 : 3,259,263
.3 : 3,273,739
375 : 3,272,609
376 : 3,265,041
378 : 3,256,904
3,270,662
3,279,534
381 : 3,239,200
390 : 3,241,545
3,245,462
391 : 3,263,596
3,273,488
3,282,198
400 : 3,236,294
3,295,591

Class 127

3 : 3,248,262
4 : 3,248,060
3,248,262
3,248,263
5 : 3,248,262
3,248,263
3,279,357
6 : 3,248,262
3,261,672
15 : 3,271,194
16 : 3,257,236
19 : 3,247,021
24 : 3,251,717
3,273,790
29 : 3,235,596
3,281,470
30 : 3,236,687
3,236,792
3,239,378
3,255,041
3,257,236
3,265,533
3,269,914
3,276,908
3,290,173
32 : 3,232,871
3,252,836
3,264,174
3,271,388
33 : 3,231,559
3,236,721
3,251,748
3,255,040
3,284,221
34 : 3,248,225
3,249,444
38 : 3,232,871
3,285,776
40 : 3,228,876
3,236,687
3,239,378
3,285,776
41 : 3,290,173
42 : 3,228,877
3,244,561
43 : 3,231,423
3,248,060
3,261,672
45 : 3,227,582
3,231,423
3,244,560
3,248,262
3,275,472
3,279,357
46 : 3,228,877
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3,250,702
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3,252,897
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3,290,173
3,293,175
48 : 3,248,225
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50 : 3,245,834
3,290,173
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51 : 3,232,793
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52 : 3,245,834
54 : 3,228,876
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55 : 3,231,423
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56 : 3,238,063
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57 : 3,248,264
58 : 3,236,687
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59 : 3,247,021
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61 : 3,239,378
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63 : 3,236,687
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3,257,236
64 : 3,238,063
65 : 3,251,717
67 : 3,236,740
3,275,449
68 : 3,252,836
69 : 3,251,717
3,273,790
3,280,006
70 : 3,252,836
3,268,510
71 : 3,228,781
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3,234,046
3,236,740
3,251,717
3,255,040
3,255,042
3,256,115
3,268,510
3,271,388
3,276,907

Class 128

1 : 3,228,399
3,237,821
3,238,922
3,253,594
3,261,659
3,267,614
3,267,830
3,267,955
3,271,520
3,283,743
3,284,805
3,288,132
3,295,252
2 : 3,228,444
3,268,728
3,270,558
3,272,001
3,279,068
3,280,636
3,282,106
3,282,114
3,288,546
3,291,129
3,293,549
142 : 3,229,689
3,232,304
3,274,751
3,279,487
3,285,261
143 : 3,265,067
3,291,126
144 : 3,229,681
3,284,805
3,292,179
145 : 3,228,394
147 : 3,241,552
3,292,618
153 : 3,243,877
3,268,912
156 : 3,245,855
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3,255,749
3,260,261
3,287,222
3,288,135
159 : 3,234,937
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3,283,545
164 : 3,283,755
165 : Re.26,046
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3,279,459
166 : 3,266,058
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168 : 3,247,846
169 : 3,238,939
3,256,882
171 : 3,245,406
172 : 3,267,955
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187 : 3,279,118
188 : 3,228,061
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191 : 3,240,567
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192 : 3,227,208
194 : 3,291,122
198 : 3,260,258
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202 : 3,251,361
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203 : 3,236,458
205 : 3,266,487
206 : 3,260,258
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215 : 3,256,880
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217 : 3,266,806
218 : D205,270
220 : 3,279,654
221 : 3,241,476
221 : 3,247,698
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224 : 3,227,158
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226 : 3,258,011
227 : 3,239,096
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229 : 3,227,380
231 : 3,263,554
232 : 3,233,610
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233 : 3,246,657
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235 : 3,237,660
237 : 3,262,608
238 : 3,256,884
239 : 3,227,380
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260 : 3,230,953
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264 : 3,258,167
265 : 3,235,126
267 : 3,275,132
268 : 3,234,941
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269 : 3,255,494
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270 : 3,228,398
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278 : 3,233,609
281 : 3,236,231
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284 : 3,247,872
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285 : 3,241,553
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289 : 3,247,846
290 : 3,241,553
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292 : 3,251,360
293 : 3,255,751
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295 : 3,295,145
296 : 3,229,691
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304 : 3,254,356
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334 : 3,240,207
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3,291,128
335.5 : 3,279,996
.5 : 3,284,562
337 : 3,283,557
339 : 3,233,800
342 : 3,260,258
345 : 3,234,938
3,241,550
3,241,554
3,246,646
346 : 3,257,990
3,270,745
3,274,658
3,277,895
348 : 3,260,258
3,279,460
3,288,136
3,288,137
349 : 3,228,894
3,233,609
3,288,901
351 : 3,236,236
354 : 3,265,068
3,274,658
3,279,449
3,287,547
359 : 3,289,986
361 : 3,228,399
3,273,559
362 : 3,280,816
366 : 3,281,864
367 : 3,255,751
369 : 3,246,645
370 : 3,234,935
3,283,756
372 : 3,271,786
374 : 3,246,645
377 : 3,246,118
3,258,008
384 : 3,247,842
397 : 3,261,350
3,269,387
399 : 3,233,662
3,259,131
3,274,995
3,295,522
400 : 3,247,851
3,255,751
3,256,883
3,271,797
401 : 3,227,154
3,228,400
402 : 3,229,681
403 : 3,233,662
405 : 3,289,671
407 : 3,238,944
408 : 3,234,942
3,259,129
3,277,892
3,292,620
410 : 3,255,753
417 : 3,295,515
418 : 3,253,595
3,289,671
419 : 3,241,555
3,279,468
431 : 3,255,459
451 : 3,263,685
480 : 3,244,175
481 : 3,278,947
483 : D204,935
488 : D204,264
489 : 3,227,185
3,234,946
492 : 3,244,175
505 : 3,254,653
3,288,135
510 : D204,378
D204,379
3,263,685
3,291,132
511 : 3,244,175
516 : 3,252,460
517 : 3,254,653
3,266,495
518 : 3,259,125
519 : 3,246,342
520 : 3,273,563
3,282,264
3,292,616
521 : 3,245,407
525 : 3,235,883
528 : 3,246,648
3,295,530
530 : 3,262,453
531 : 3,245,409
532 : 3,253,597

Class 128—Con.

535 : 3,246,650
3,253,599
3,270,747
537 : 3,252,704
541 : 3,283,759
542 : 3,246,648
3,246,650
3,258,783
3,262,453
545 : 3,247,842
546 : 3,280,819
547 : 3,253,598
3,270,747
3,270,748
548 : 3,245,409
3,256,530
549 : 3,255,755
554 : 3,238,945
556 : 3,245,410
561 : 3,236,234
567 : 3,228,401
570 : 3,295,531
574 : 3,253,599
577 : 3,247,842
3,259,133
580 : 3,228,401
3,236,241
3,253,598
3,255,459
3,273,167
581 : 3,233,348
3,257,742
3,292,612
582 : 3,258,859
588 : 3,284,930
594 : 3,253,600
595 : 3,253,600
3,253,601
3,292,277
601 : 3,290,801
610 : 3,266,178
614 : 3,244,176
3,290,801
619 : 3,244,177
621 : 3,238,946
3,275,002

Class 129

1 : 3,246,411
3,246,653
3,255,759
3,270,749
3,275,005
3,292,982
5 : 3,285,252
7 : 3,261,649
8 : 3,292,982
13 : 3,237,825
3,245,411
3,251,260
16 : 3,227,163
3,229,695
3,232,439
3,237,627
3,245,736
3,250,276
3,253,871
3,253,872
3,254,930
3,260,006
3,265,204
3,267,939
3,269,547
3,280,822
3,281,193
3,292,632
3,292,633
3,292,982
3,295,697
.1 : 3,228,130
.1 : 3,231,095
.1 : 3,236,574
.1 : 3,243,780
.1 : 3,263,999
.1 : 3,275,158
.1 : 3,276,155
.1 : 3,280,992
.1 : 3,287,010
.1 : 3,289,335
.1 : 3,292,286
.5 : 3,276,766
.7 : 3,244,289
.7 : 3,261,649
.8 : 3,248,814
17 : 3,233,611
18 : 3,244,178
3,256,618
19 : 3,253,602
20 : 3,244,178
3,245,166
21 : 3,272,502
23 : 3,236,242
3,269,390
3,275,005
3,285,252
3,291,505
24 : 3,233,611
3,252,461
25 : 3,238,948
3,271,829
26 : 3,288,303
28 : 3,241,900
35 : 3,291,505
37 : 3,286,381
38 : 3,273,564
3,285,249
40 : 3,252,462
3,253,602
41 : 3,236,242
3,263,689
43 : 3,232,397
3,233,612
3,265,453
3,282,268
3,291,545

Class 130

1 : 3,226,919
4 : 3,236,553
5 : 3,238,950
3,240,211
3,241,216
3,267,502
3,279,601
3,284,875
6 : 3,292,870
9 : 3,252,463
24 : 3,229,696
27 : 3,226,918
3,228,176
3,292,870
30 : 3,228,176
3,236,035
3,252,520
3,286,774
33 : 3,226,919

Class 131

2 : 3,255,760
3 : 3,246,656
3,275,006
3,283,763
8 : 3,228,402
3,240,212
3,244,182
3,251,367
3,255,763
9 : 3,236,244
3,244,180
3,251,368
3,266,499
3,279,476
3,280,823
3,283,762
10 : 3,226,795
3,261,814
3,269,394
3,288,145
.1 : 3,279,476
.3 : 3,292,635
.9 : 3,279,476
11 : 3,236,243
3,238,951
3,242,926
3,244,180
3,252,465
12 : 3,241,558
3,273,568
14 : 3,230,958
3,260,265
15 : 3,227,019
3,251,368
3,283,762
3,288,145
3,288,148
3,291,136
17 : 3,235,457
3,236,244
3,240,212
3,240,214
3,246,656
3,251,368
3,255,760
3,256,888
3,256,889
3,258,014
3,280,823
3,288,146
3,288,148
20 : 3,230,958
3,238,951
20 : 3,241,558
3,251,367
3,255,763
3,260,265
3,266,498
21 : 3,230,958
3,233,613
3,237,628
3,238,951
3,242,321
3,242,926
3,252,466
3,259,746
23 : 3,228,402
3,252,466
3,269,393
25 : 3,229,802
3,235,060
3,245,514
3,265,183
29 : 3,232,296
3,237,628
3,241,558
3,242,926
3,252,465
34 : 3,241,558
3,242,926
35 : 3,242,926
36 : 3,292,637
37 : 3,252,465
3,276,454
38 : 3,261,363
39 : 3,232,296
46 : 3,237,628
3,252,465
3,261,363
52 : 3,244,181
55 : 3,234,040
59 : 3,238,951
60 : 3,244,050
61 : 3,230,958
3,237,628
3,291,136
64 : 3,230,958
65 : 3,237,628
66 : 3,237,628
68 : 3,244,183
69 : 3,240,212
77 : 3,251,367
3,260,265
3,266,498
79 : 3,251,367
3,266,498
80 : 3,237,628
81 : 3,232,296
82 : 3,261,363
3,266,498
83 : 3,237,628
3,266,498
84 : 3,237,628
3,241,288
3,242,927
3,244,182
3,255,763
3,276,452
3,277,897
3,288,147
87 : 3,266,498
91 : 3,252,465
3,269,393
94 : 3,233,613
3,259,029
3,265,183
3,267,820
3,267,821
3,270,601
3,288,145
96 : 3,233,613
3,255,762
105 : 3,242,926
106 : 3,238,951
108 : 3,234,950
3,244,182
109 : 3,234,950
3,253,743
3,272,333
3,276,452
110 : 3,232,297
3,242,927
3,255,763
3,261,364
3,261,365
3,262,457
3,270,279
3,272,333
3,282,270
3,291,137
121 : 3,240,212
3,255,763
134 : 3,250,405
3,251,620
140 : 3,233,339
3,240,212
3,240,214
140 : 3,251,620
3,252,466
3,255,760
3,255,763
3,259,136
3,262,458
3,272,207
3,280,825
143 : 3,255,760
144 : 3,236,244
3,268,589
149 : 3,250,405
3,252,466
172 : 3,246,654
176 : D204,116
3,275,006
181 : 3,237,629
3,241,559
183 : 3,292,634
187 : 3,269,394
3,283,763
190 : 3,250,279
192 : 3,292,635
193 : 3,230,959
196 : 3,292,639
198 : 3,230,959
3,237,629
3,240,213
3,259,137
3,260,266
200 : 3,250,280
3,280,823
3,288,146
201 : 3,269,394
203 : 3,267,941
204 : 3,267,941
205 : 3,292,639
207 : 3,267,941
208 : 3,227,791
3,229,008
3,232,268
3,232,805
3,238,852
3,240,212
3,250,280
3,253,967
3,253,969
3,259,029
3,268,084
3,272,638
3,272,687
209 : 3,236,243
3,292,635
210 : 3,234,949
3,236,243
3,256,890
3,292,635
211 : 3,254,655
214 : 3,283,763
215 : 3,230,959
3,232,299
3,237,629
3,250,280
3,265,074
3,270,751
3,286,715
216 : 3,240,213
3,289,678
219 : 3,267,941
220 : 3,246,656
3,292,639
222 : 3,246,656
223 : 3,232,299
3,270,751
3,286,715
225 : 3,292,639
226 : 3,246,656
227 : D203,573
231 : D203,641
235 : 3,285,463
239 : 3,292,640
240 : 3,234,951
3,269,395
3,285,254
3,292,640
241 : 3,283,765
3,291,138
3,292,640
242 : D205,172
3,283,938
246 : 3,283,764
247 : 3,263,690
3,283,764
253 : 3,232,298
254 : 3,250,279
256 : D204,354
258 : D206,312
260 : 3,233,951
262 : 3,280,823
3,288,146
266 : 3,279,476
267 : 3,279,476
3,291,140
267 : 3,292,635

Class 132

1 : 3,266,500
5 : 3,273,280
7 : 3,250,682
3,254,424
3,257,449
3,281,948
9 : 3,261,027
3,289,679
11 : 3,272,023
31 : 3,261,814
33 : 3,250,895
3,257,541
3,260,269
3,283,122
36.1 : 3,234,952
39 : 3,285,795
45 : 3,230,619
3,277,902
3,292,641
46 : 3,274,658
3,283,339
3,286,716
48 : 3,242,564
3,247,852
49 : 3,283,344
53 : 3,258,016
3,280,826
54 : 3,236,246
62 : 3,233,298
73.5 : 3,258,853
.6 : 3,240,966
.6 : 3,241,168
74.5 : 3,292,642
75 : 3,255,766
.5 : 3,261,094
.6 : 3,261,094
80 : 3,228,057
81 : 3,231,923
84 : 3,246,361
3,267,512
85 : 3,292,202
88.7 : 3,256,980
.7 : 3,266,500
.7 : 3,275,132
108 : 3,262,459
112 : 3,230,619
118 : 3,291,141
122 : 3,291,141
126 : 3,272,208
148 : 3,272,208
149 : 3,272,208
150 : 3,292,641
151 : 3,275,007
156 : 3,253,292
157 : 3,234,952
158 : 3,292,641

Class 133

1 : 3,229,806
3,247,757
3,290,860
2 : 3,237,745
3,262,539
3 : 3,227,363
3,242,932
3,260,454
3,266,611
.2 : 3,239,737
4 : 3,242,929
5 : 3,228,556
3,229,797
3,245,421
3,255,859
3,280,827
8 : 3,239,047
3,250,364
3,269,504
3,280,827

Class 134

1 : 3,228,878
3,229,702
3,231,513
3,234,047
3,236,359
3,239,863
3,240,963
3,256,114
3,274,036
3,281,269
3,290,256
2 : 3,234,047
3,245,780
3,248,269
3,253,897
3,260,586
3,271,209
2 : 3,275,486
3,278,390
3,293,159
.5 : 3,235,488
3 : 3,232,803
3,239,467
3,259,517
3,265,600
3,271,319
3,272,738
3,274,114
3,277,012
3,279,946
3,281,268
3,282,731
3,291,640
3,296,141
3,296,688
3,297,694
3,298,779
3,299,159
3,299,160
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73 : 3,242,933
75 : 3,270,860
3,292,646
81 : Re.25,962
3,226,757
82 : 3,266,502
3,276,983
83 : 3,273,572
84 : 3,276,984
85 : 3,276,984
88 : 3,276,983
3,287,238
90 : 3,229,702
93 : 3,233,782
3,242,902
3,248,910
94 : 3,244,280
95 : 3,227,130
3,278,961
99 : 3,241,563
3,285,779
100 : 3,231,134
3,288,109
101 : 3,258,792
102 : 3,232,482
3,267,504
3,276,694
3,281,269
103 : 3,242,934
3,278,961
104 : 3,230,550
3,232,425
3,236,386
3,250,248
3,252,691
105 : 3,238,065
3,242,933
3,250,248
3,274,700
3,282,273
3,287,238
3,292,576
107 : 3,241,563
3,242,934
3,263,341
3,266,502
108 : 3,291,144
109 : 3,229,702
3,236,386
3,257,309
3,282,273
110 : 3,242,934
111 : 3,245,420
3,257,309
3,264,675
3,266,502
3,276,458
3,276,459
3,277,907
3,291,144
113 : 3,279,481
3,285,036
3,295,538
115 : 3,230,961
3,232,425
3,273,573
3,288,154
3,291,144
117 : 3,260,510
3,276,984
3,291,458
118 : 3,291,304
122 : 3,243,317
3,256,854
3,268,389
3,270,364
3,273,572
3,277,810
3,291,468
123 : 3,229,703
3,258,019
3,263,341
3,265,087
3,277,907
3,288,109
3,289,238
125 : 3,234,068
127 : 3,229,701
3,291,143
128 : 3,270,860
129 : 3,246,625
3,282,273
130 : 3,242,933
131 : 3,232,425
3,241,564
3,242,933
3,261,368
3,262,460
3,283,523
3,289,682
132 : 3,292,775
133 : 3,237,632
3,247,858
133 : 3,261,368
3,270,860
134 : 3,273,572
3,292,646
135 : 3,280,828
3,286,718
136 : 3,259,139
137 : 3,268,068
140 : 3,276,459
3,291,458
141 : 3,240,216
3,246,659
3,266,502
3,270,754
3,276,502
3,276,694
3,288,109
3,291,145
142 : 3,240,216
143 : 3,269,790
144 : 3,240,216
3,242,934
3,266,502
3,269,548
3,273,573
3,276,984
3,277,906
3,282,273
145 : 3,259,139
146 : 3,259,139
148 : 3,232,814
149 : 3,229,701
3,243,317
3,252,174
3,285,780
151 : 3,234,068
152 : 3,240,216
3,270,754
3,291,144
153 : 3,229,701
3,237,632
3,266,502
154 : 3,257,732
3,261,370
3,267,943
3,280,828
155 : 3,227,167
3,242,934
3,253,435
3,273,572
3,277,907
3,292,339
156 : 3,259,139
3,270,754
3,291,458
157 : 3,286,718
159 : 3,231,244
3,237,632
160 : 3,227,166
3,242,933
3,246,659
3,270,754
161 : 3,227,166
3,232,814
3,261,370
3,270,754
162 : 3,227,166
3,265,078
164 : 3,242,933
3,266,502
3,269,397
165 : 3,242,934
3,269,548
3,273,573
3,276,984
3,277,906
3,282,273
166 : 3,228,611
3,250,118
3,250,283
3,270,754
3,274,700
3,280,828
3,285,780
167 : 3,232,482
3,245,420
3,267,504
3,269,659
3,289,216
168 : 3,228,374
3,236,248
3,247,969
3,278,949
169 : 3,276,694
3,278,961
3,283,781
3,295,538
3,296,034
3,295,539
170 : 3,252,467
3,262,460
3,291,143
3,291,144
171 : 3,254,656
3,262,460
3,276,694
172 : 3,269,659
175 : 3,285,779
176 : 3,265,311
3,277,907
3,285,779
3,292,645
178 : 3,261,554
179 : 3,236,249
3,289,238
180 : 3,257,989
181 : 3,257,778
3,258,019
3,259,138
3,261,369
3,266,502
3,276,694
3,288,109
3,291,145
182 : 3,243,318
3,259,373
3,265,369
183 : Re.26,084
3,249,339
3,260,510
3,267,944
3,274,700
3,285,779
3,288,156
3,292,645
186 : 3,227,168
3,233,919
3,236,248
3,244,105
3,266,518
3,277,906
3,291,144
188 : 3,265,369
3,272,129
190 : 3,242,934
3,277,907
3,285,779
193 : 3,261,370
197 : 3,269,397
198 : Re.26,084
3,256,800
3,257,101
199 : 3,229,701
3,259,139
3,261,368
200 : 3,227,078
3,276,984
3,277,906
3,279,874
3,288,154
3,295,541
201 : 3,250,283
3,277,042

Class 135

1 : 3,226,737
3,231,161
3,231,305
3,231,644
3,234,695
3,255,466
3,257,481
3,259,422
3,261,659
3,266,503
3,284,128
3,288,520
3 : 3,233,617
3,259,140
3,285,260
4 : 3,228,405
3,242,935
3,254,657
3,259,140
3,273,574
3,276,814
5 : 3,241,877
3,243,230
3,255,467
3,256,931
3,275,369
3,292,684
.1 : 3,248,743
.2 : 3,265,059
.2 : 3,272,199
6 : 3,237,982
7 : 3,256,034
.1 : 3,252,469
.1 : 3,261,605
.1 : 3,285,258
.1 : 3,285,259
15 : 3,231,305
3,237,904
3,241,202
3,241,269
3,283,383
16 : 3,227,867
3,281,586
20 : 3,286,270
27 : 3,244,187
3,245,422
28 : 3,252,468
29 : 3,252,468
31 : 3,252,468
34 : 3,280,830
45 : 3,265,401
3,280,831
46 : 3,277,909
47 : 3,245,421
50 : 3,289,685
51 : 3,272,210
54 : 3,229,738
3,280,831
3,289,685
58 : 3,273,575
63 : 3,251,371
64 : 3,280,831
625.48: 3,283,808

Class 136

1 : 3,236,757
4 : 3,229,469
3,231,965
3,238,614
3,239,377
3,244,005
3,246,311
3,246,519
3,246,520
3,247,577
3,247,714
3,248,777
3,248,889
3,260,113
3,273,347
3,274,036
3,274,403
3,277,827
3,278,769
3,279,036
3,286,762
6 : 3,230,112
3,234,049
3,235,408
3,236,690
3,239,384
3,247,024
3,257,238
3,260,620
3,261,715
3,264,139
3,265,534
3,267,115
3,278,334
3,285,781
3,287,164
3,287,165
3,288,642
7 : 3,287,165
9 : 3,287,165
14 : 3,228,796
16 : 3,247,023
19 : 3,234,049
20 : 3,230,113
3,231,429
3,234,049
3,276,975
3,287,164
3,293,080
23 : 3,287,164
24 : 3,230,113
3,236,696
3,274,028
3,277,584
3,288,643
3,291,641
3,293,080
3,294,237
3,296,028
27 : 3,228,796
3,230,043
28 : 3,234,049
3,245,837
3,258,361
3,262,815
3,274,028
3,276,911
3,287,164
3,288,641
29 : 3,230,113
3,248,266
3,258,361
3,269,864
3,282,808
3,284,237
3,288,643
30 : 3,236,690
3,257,238
3,258,362
3,258,671
3,262,815
3,272,653
3,282,732
3,285,781
3,287,164
3,287,165
3,288,642
74 : 3,262,815
3,266,936
3,275,473
3,276,936
3,271,195
3,281,272
36 : 3,266,936
3,275,473
3,284,237
3,287,165
3,296,028
37 : 3,262,815
3,269,863
43 : 3,267,190
3,296,028
50 : 3,266,936
52 : 3,275,473
54 : 3,266,935
55 : 3,266,935
58 : 3,269,863
59 : 3,247,023
62 : 3,259,628
63 : 3,247,023
3,247,427
3,254,389
3,255,044
3,261,074
3,261,076
3,263,101
64 : 3,269,863
3,282,732
65 : 3,269,863
66 : 3,266,936
3,275,473
67 : 3,228,795
3,247,427
3,254,389
3,255,044
3,261,074
3,261,076
3,263,101
3,264,707
3,278,811
3,281,606
3,284,252
3,288,649
3,293,080
3,297,453
68 : 3,248,266
3,258,362
3,269,864
3,284,237
3,288,643
3,288,649
3,293,078
3,293,080
74 : 3,262,815
3,266,936
3,275,473
3,288,642
3,293,080
3,296,024
75 : 3,236,696
3,258,361
3,261,715
3,272,654
3,282,732
3,287,164
3,287,166
3,288,643
3,291,641
3,297,240
76 : 3,288,643
3,291,641
3,281,271
3,291,709
3,293,078
78 : 3,227,584
3,228,795
3,281,272
79 : 3,266,936
3,269,865
3,290,176
81 : 3,269,865
83 : 3,228,799
3,235,408
3,236,694
3,272,655
3,278,340
108 : 3,230,115
3,239,380
83 : 3,240,629
3,240,688
3,248,265
3,255,043
3,255,049
3,260,620
3,261,714
3,272,653
3,278,338
3,279,951
3,279,952
3,288,649
3,293,080
86 : 3,231,426
3,231,429
3,234,116
3,245,836
3,245,890
3,247,452
3,250,646
3,256,163
3,258,415
3,262,816
3,262,817
3,266,943
3,274,031
3,276,911
3,276,976
3,278,335
3,279,948
3,280,014
3,280,015
3,281,282
3,281,348
3,282,737
3,282,834
3,284,243
3,285,781
3,287,166
3,287,171
3,287,172
3,288,652
3,288,653
3,291,753
3,291,889
3,296,025
3,296,102
3,296,449
89 : 3,247,427
3,254,389
3,255,044
3,261,074
3,261,076
3,263,101
3,264,707
3,278,811
3,281,606
3,284,252
3,288,649
3,293,078
3,293,080
90 : 3,228,800
3,228,801
3,231,427
3,236,697
3,243,765
3,246,801
3,258,759
3,278,338
3,279,951
3,287,166
3,287,168
3,287,169
3,288,645
3,288,649
3,288,651
3,290,124
91 : 3,257,243
93 : 3,240,629
95 : 3,269,868
3,293,078
100 : 3,231,426
3,231,427
3,239,384
3,240,688
3,248,265
3,256,504
3,257,240
3,281,271
3,291,709
3,293,078
102 : 3,242,009
3,257,242
3,293,080
103 : 3,253,960
3,260,621
107 : 3,228,801
3,236,690
3,253,954
3,261,714
3,272,655
3,274,028
3,274,085
3,275,475
3,276,909
3,276,975
3,276,976
3,278,338
3,279,948
3,281,271
3,281,272
3,281,275
3,282,732
3,282,735
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3,282,808
3,284,240
3,287,166
3,287,168
3,287,169
3,288,645
3,288,649
3,288,651
3,290,124
3,291,642
3,291,643
3,291,709
3,291,753
3,293,078
3,296,013
3,296,102
121 : 3,239,382
3,252,839
3,258,363
3,276,909
3,276,976
3,280,014
3,282,735
3,282,738
3,284,243
3,287,172
122 : 3,242,011
3,248,267
3,252,839
3,253,960
3,258,363
3,280,014
3,282,738
3,284,243
3,284,332
125 : 3,245,837
126 : 3,261,715
3,288,651
: 3,288,651

Class 136—Con.

130 : 3,261,715
132 : 3,264,139
3,272,653
3,272,655
3,278,339
3,281,283
133 : 3,237,060
3,257,243
3,262,819
3,278,339
3,278,340
3,282,736
3,288,650
134 : 3,235,412
3,242,009
3,259,525
3,262,818
3,268,363
3,275,473
3,282,734
3,287,163
135 : 3,253,959
3,264,140
3,264,141
3,269,863
3,274,477
3,288,650
136 : 3,228,799
3,231,427
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3,237,715
3,238,932
3,252,425
3,261,296
3,273,577
3,292,733
31 : 3,248,879
3,273,741
3,288,166
33 : 3,227,853
3,233,078
3,283,123
3,293,407
35 : 3,275,803
37 : 3,232,047
3,248,054
3,267,918
3,279,094
3,293,000
38 : 3,235,003
3,267,563
3,267,564
3,273,630
40 : 3,252,622
3,295,563
41 : 3,275,145
42 : 3,234,960
3,239,197
3,248,188
3,253,401
42 : 3,267,918
3,273,547
3,277,812
3,286,992
3,292,731
43 : 3,241,804
3,251,633
3,253,300
3,254,368
3,267,960
44 : 3,228,851
3,245,583
3,250,342
3,259,149
3,259,206
3,280,807
3,282,768
45 : 3,247,932
3,278,165
3,282,323
3,282,508
46 : 3,231,239
3,236,108
3,237,914
3,244,199
3,255,963
3,258,848
3,272,233
3,273,596
3,286,731
3,286,732
3,289,694
3,296,552
89 : 3,235,120
3,251,386
3,276,447
3,283,123
3,289,288
90 : 3,292,254
92 : 3,237,356
93 : 3,227,369
3,232,207
3,241,571
3,270,469
94 : 3,275,023
96 : 3,229,738
3,270,610
3,283,639
97 : 3,227,572
3,245,139
99 : 3,228,712
3,229,998
3,236,407
3,241,207
3,252,192
3,258,822
105 : 3,254,012
3,263,577
106 : 3,237,867
3,254,012
3,280,530
107 : 3,244,388
3,288,169
108 : 3,233,850
3,250,420
3,263,704
3,281,166
109 : 3,228,678
3,232,638
3,263,519
3,263,520
3,282,768
3,295,557
110 : 3,237,796
3,248,487
3,278,116
111 : 3,228,822
3,229,029
3,231,197
3,233,567
3,234,741
3,235,947
3,246,672
3,254,487
3,280,530
113 : 3,273,660
114 : 3,253,326
116 : 3,266,524
3,273,598
117 : 3,229,722
118 : 3,228,894
3,240,233
3,250,127
3,261,225
120 : 3,248,515
3,259,248
3,266,059
3,290,429
121 : 3,235,270
3,259,405
3,263,446
122 : 3,239,400
3,240,234
3,248,272
122 : 3,273,916
123 : 3,242,554
3,285,347
3,288,170
125 : 3,248,272
3,252,720
3,279,502
3,288,170
127 : 3,249,666
3,287,315
128 : 3,295,556
129 : 3,234,723
3,234,970
3,255,780
3,266,059
3,266,527
3,277,231
130 : 3,242,691
131 : 3,240,643
3,272,535
3,274,316
133 : 3,239,400
3,242,691
134 : 3,275,038
135 : 3,267,560
137 : 3,233,024
3,245,431
3,260,010
138 : 3,240,234
3,242,691
3,275,038
3,275,725
3,287,315
139 : 3,272,912
140 : 3,235,291
3,237,477
3,239,931
3,257,718
3,257,863
3,262,625
3,264,240
3,267,563
3,267,564
3,269,422
141 : 3,233,699
3,243,956
3,249,482
3,260,010
3,279,889
3,289,704
3,290,137
3,295,558
143 : 3,272,912
144 : 3,228,308
3,230,121
3,230,122
3,231,443
3,234,970
3,245,856
3,259,533
3,267,968
3,231,014
3,234,045
3,249,482
3,286,904
145 : 3,226,807
146 : 3,286,904
147 : 3,244,388
3,287,801
148 : 3,232,638
3,242,558
3,246,917
3,250,297
3,270,769
3,273,630
3,275,345
3,282,011
3,295,279
3,295,327
149 : 3,233,699
3,234,489
3,243,931
3,244,388
3,250,297
3,259,402
3,269,422
3,273,600
3,289,703
151 : 3,254,678
153 : 3,230,121
154 : 3,240,042
3,263,321
3,273,600
3,286,904
155 : 3,230,122
3,230,981
3,250,127
3,284,163
156 : 3,245,432
157 : 3,242,576
3,251,382
159 : 3,276,176
161 : 3,231,085
3,241,701
161 : 3,250,077
162 : 3,243,503
3,276,182
3,295,560
166 : 3,276,182
168 : 3,250,077
3,273,601
171 : 3,241,609
172 : 3,239,002
3,259,319
3,267,969
3,275,040
3,279,500
3,289,973
173 : 3,241,609
3,276,176
174 : 3,268,244
3,291,157
175 : 3,232,637
3,240,512
3,249,665
176 : 3,260,020
3,276,092
3,278,128
177 : 3,264,240
3,265,093
3,279,501
3,290,426
178 : 3,232,637
3,237,716
3,240,512

Class 139

1 : 3,263,706
3,290,902
4 : 3,228,115
12 : 3,237,654
3,246,673
3,263,707
3,273,602
20 : 3,237,650
37 : 3,251,111
54 : 3,227,191
55 : 3,265,096
57 : 3,258,035
74 : 3,285,291
82 : 3,258,035
88 : 3,262,469
90 : 3,236,264
92 : 3,258,035
97 : 3,289,705
105 : 3,260,074
108 : 3,249,125
109 : 3,249,125
3,260,074
115 : 3,289,705
116 : 3,289,705
118 : 3,250,301
3,269,425
122 : 3,229,725
3,282,303
124 : 3,288,172
125 : 3,263,707
126 : 3,236,265
127 : 3,232,320
3,237,654
3,280,853
130 : 3,285,292
134 : 3,285,292
146 : 3,266,528
149 : 3,228,430
161 : 3,241,338
162 : 3,266,528
167 : 3,228,430
185 : 3,273,604
194 : 3,237,649
3,276,482
196 : 3,233,635
224 : 3,227,384
3,256,914
3,261,561
3,263,705
231 : 3,280,854
257 : 3,236,464
3,257,083
3,265,316
3,289,958
262 : 3,226,793
265 : 3,273,603
266 : 3,233,636
292 : 3,238,975
304 : 3,269,150
313 : 3,289,705
317 : 3,240,235
319 : 3,237,650
3,247,815
326 : 3,291,158
331 : 3,277,928
348 : 3,276,227
370 : 3,237,656
3,272,236
3,289,705
372 : 3,237,656
383 : D203,796
3,230,136
3,238,594
3,248,802
3,250,662
3,252,676
3,279,504
3,283,388
3,290,702
3,293,103
384 : 3,249,126
3,266,114
3,291,162
385 : 3,246,356
3,250,301
3,258,942
386 : 3,260,398
387 : 3,260,398
3,266,529
3,272,204
391 : 3,286,322
3,293,103
3,295,308
394 : 3,293,103
397 : 3,289,706
399 : 3,227,574
401 : 3,285,797
407 : 3,286,739
410 : 3,228,426
3,232,319
3,234,972
3,237,650
3,293,103
420 : 3,227,664
3,244,545
3,265,516
3,268,384
3,283,788
3,296,062
421 : 3,240,656
3,247,569
3,287,788
3,290,702
423 : 3,226,796
3,240,656
425 : 3,231,042
3,233,653
3,246,356
3,266,130
.5 : 3,230,136
426 : 3,233,648
3,247,569
3,247,872
3,250,662
3,275,041
3,287,788
3,296,062

Class 140

1 : 3,286,740
3 : 3,238,975
3,240,237
5 : 3,285,292
14.9 : 3,238,711
71 : 3,227,195
3,231,936
3,233,638
3,234,973
3,275,785
3,289,446
.5 : 3,227,193
.5 : 3,237,285
.5 : 3,238,410
.5 : 3,245,132
.5 : 3,246,387
.5 : 3,252,044
.5 : 3,259,772
.5 : 3,262,647
.5 : 3,277,558
.6 : 3,228,100
.6 : 3,248,784
.6 : 3,265,276
.6 : 3,270,781
.6 : 3,284,876
73 : 3,226,812
88 : 3,232,088
3,238,977
3,251,384
3,254,681
3,266,138
3,280,855
89 : 3,231,217
92.1 : 3,230,611
.1 : 3,270,781
.2 : 3,227,193
.2 : 3,228,615
.2 : 3,263,710
.2 : 3,279,708
.3 : 3,284,893
93 : 3,229,728
3,231,967
3,239,855
3,244,344
93 : 3,263,597
3,266,530
3,279,708
3,289,452
.4 : 3,232,217
.4 : 3,257,874
.4 : 3,284,049
102 : 3,234,973
3,240,237
3,245,433
3,253,621
3,254,681
3,280,855
3,283,398
.5 : 3,245,434
.5 : 3,253,286
.5 : 3,289,446
103 : 3,238,977
3,240,238
3,276,854
104 : 3,227,194
3,252,206
105 : 3,229,362
3,240,237
3,255,288
106 : 3,267,716
111 : 3,280,856
112 : 3,226,803
3,250,888
3,263,305
3,263,710
115 : 3,288,176
117 : 3,263,467
119 : 3,263,597
3,273,605
122 : 3,229,729
3,262,193
3,270,781
123 : 3,227,194
3,229,727
3,244,201
3,250,453
3,263,467
.6 : 3,254,680
124 : 3,253,286
3,258,955
3,262,193
3,277,685
140 : 3,235,241
147 : 3,245,135
3,245,193
3,256,418
3,264,855
3,277,682
3,285,047
149 : 3,231,311
3,251,384
3,254,923
3,273,605

Class 141

1 : 3,254,469
3,256,097
3,259,462
3,268,032
3,273,668
3 : 3,237,923
3,239,412
3,266,674
3,291,348
5 : 3,260,285
3,283,956
7 : 3,232,324
3,255,786
3,263,394
3,266,292
8 : 3,235,389
3,245,806
3,282,058
9 : 3,244,328
3,245,435
3,272,238
3,291,348
3,295,466
10 : 3,261,379
3,265,098
12 : 3,255,959
3,260,285
3,270,390
14 : 3,246,674
17 : 3,282,475
18 : 3,271,860
20 : 3,234,707
3,237,923
3,272,374
3,273,606
3,273,607
3,277,674
21 : 3,242,951
3,255,926
23 : Re.26,055
24 : 3,276,847
26 : 3,233,785
26 : 3,266,532
27 : 3,227,161
3,246,657
31 : 3,282,306
34 : 3,266,212
35 : 3,233,589
3,241,580
37 : 3,280,857
39 : 3,282,305
45 : 3,282,305
46 : 3,263,711
3,282,305
47 : 3,263,711
49 : 3,272,238
52 : 3,252,486
3,276,620
55 : 3,270,784
56 : 3,271,860
57 : 3,252,486
59 : 3,234,709
3,248,118
3,260,285
3,263,711
3,269,800
3,272,238
3,279,467
3,280,857
61 : 3,282,306
64 : 3,259,152
65 : 3,246,674
3,247,968
3,282,058
66 : 3,292,652
67 : 3,232,487
3,260,285
3,260,285
3,290,733
68 : 3,258,041
3,261,379
3,265,098
3,269,428
3,285,295
69 : 3,248,118
71 : 3,260,285
3,262,470
3,285,294
72 : 3,261,378
73 : 3,253,537
3,289,572
3,295,566
76 : 3,261,379
77 : 3,261,378
3,295,565
79 : 3,259,152
80 : 3,226,764
3,238,979
3,260,285
3,267,972
3,288,177
3,295,566
82 : 3,233,640
83 : 3,236,269
3,238,978
3,240,146
3,259,104
3,263,712
3,280,857
3,282,020
85 : 3,246,674
89 : 3,260,285
3,285,297
91 : 3,227,168
92 : Re.25,962
93 : 3,251,292
3,288,429
94 : 3,289,572
95 : 3,258,271
3,282,020
97 : 3,295,563
100 : 3,227,196
3,233,640
3,256,916
3,259,462
3,260,413
3,272,238
3,279,393
102 : 3,260,285
103 : 3,238,979
105 : Re.26,055
3,267,971
106 : 3,286,849
107 : 3,236,270
3,238,979
3,291,460
108 : 3,255,570
110 : 3,236,103
3,261,060
3,284,349
113 : 3,277,929
114 : 3,238,978
3,241,581
3,270,783
3,284,349
115 : 3,285,294
128 : 3,252,630
129 : 3,236,269
3,255,862
3,266,531
3,267,972
130 : 3,252,330
3,252,763
3,282,651
131 : 3,230,048
3,268,117
133 : 3,285,294
134 : 3,226,764
137 : 3,280,762
144 : 3,259,152
145 : 3,265,251
3,285,294
146 : 3,252,619
3,263,394
147 : 3,275,043
3,295,722
148 : 3,263,713
3,295,566
157 : 3,273,757
159 : 3,237,661
163 : 3,233,640
164 : 3,280,859
165 : 3,238,979
3,270,487
3,270,783
3,280,859
168 : 3,233,640
3,285,294
169 : 3,238,979
171 : 3,277,929
172 : 3,245,436
3,270,487
3,276,487
3,277,929
3,295,566
174 : 3,236,270
180 : 3,249,133
3,272,239
3,277,930
182 : 3,249,133
183 : 3,262,470
188 : 3,280,762
191 : 3,276,487
192 : 3,243,933
3,266,531
3,272,238
3,282,020
194 : 3,261,379
198 : 3,254,683
3,263,711
3,265,099
208 : 3,259,154
215 : 3,276,486
219 : 3,233,641
225 : 3,251,507
3,276,486
226 : 3,241,714
227 : 3,255,788
231 : 3,285,297
233 : 3,277,929
234 : 3,261,208
3,266,533
235 : 3,249,133
236 : 3,249,132
237 : 3,261,380
238 : 3,270,784
243 : 3,269,800
245 : 3,249,133
3,272,239
246 : 3,269,429
248 : 3,288,177
249 : 3,234,709
250 : 3,265,100
256 : 3,252,442
3,265,100
263 : 3,255,592
264 : 3,267,971
266 : 3,249,133
3,265,100
269 : 3,245,436
270 : 3,252,442
3,267,971
3,280,763
275 : 3,252,442
3,270,783
276 : 3,270,784
279 : 3,236,266
3,236,267
3,291,429
281 : 3,236,269
283 : 3,237,662
3,272,240
3,277,929
284 : 3,241,581
3,260,413
3,266,531
3,269,800
284 : 3,273,668
3,291,034
3,295,722
285 : 3,253,593
3,266,532
3,286,741
286 : 3,258,041
3,270,784
3,288,177
3,295,563
289 : 3,255,789
290 : 3,282,305
291 : 3,228,435
3,278,094
295 : 3,285,298
301 : 3,263,711
302 : 3,280,858
3,282,307
3,285,298
305 : 3,282,305
310 : 3,237,624
3,251,386
311 : 3,261,441
3,266,532
3,268,032
3,285,299
312 : 3,279,523
313 : 3,233,639
3,238,978
3,241,582
3,270,783
3,285,299
315 : 3,263,712
316 : 3,238,984
317 : 3,285,299
319 : 3,248,016
3,261,381
3,266,533
3,289,698
323 : 3,253,753
3,259,462
325 : 3,265,101
3,277,931
3,289,711
328 : 3,261,505
329 : 3,238,784
3,245,200
330 : 3,233,411
3,265,102
331 : D205,236
3,248,037
333 : 3,256,916
339 : 3,257,101
346 : 3,295,564
347 : 3,291,152
348 : 3,242,951
3,260,286
3,265,101
3,276,488
349 : 3,241,723
3,254,791
3,256,917
3,259,154
3,261,382
3,273,606
3,273,607
350 : 3,233,640
352 : 3,240,430
3,260,286
3,289,712
353 : 3,228,057
3,241,723
3,273,607
354 : 3,295,564
357 : 3,273,608
360 : 3,250,303
3,269,606
3,278,094
361 : 3,238,978
3,252,654
362 : 3,254,802
363 : 3,279,523
364 : 3,233,411
3,261,380
3,289,698
366 : 3,233,641
3,256,916
367 : 3,289,712
368 : 3,248,120
369 : 3,249,954
3,252,633
372 : 3,282,306
373 : 3,250,303
3,252,654
374 : 3,254,429
375 : 3,269,555
381 : 3,273,608
382 : 3,236,267
3,280,858
383 : 3,246,674
384 : 3,261,381
3,261,382
385 : 3,266,533
386 : 3,261,483

Class 141—Con.

386 : 3,289,711
387 : 3,233,641
3,236,267
3,289,712
3,291,165
388 : 3,228,421
3,236,266
3,249,121
3,280,858
389 : 3,249,132
3,285,564
390 : 3,290,841
3,291,165
3,295,563
391 : 3,230,986
392 : 3,267,971
3,276,488
3,279,393
3,285,299
3,288,178
3,291,165
3,295,566

Class 142

1 : 3,276,489
3,276,493
2 : 3,235,422
7 : 3,255,791
38 : 3,277,933
42 : 3,276,493
45 : 3,276,493
56 : 3,234,974
3,277,933
57 : 3,273,611

Class 143

1 : 3,276,492
4 : 3,276,492
5 : 3,227,197
3,236,272
6 : 3,229,734
3,242,580
3,246,546
3,251,388
3,273,613
3,285,303
3,287,808
3,288,181
17 : 3,236,272
3,286,743
3,292,673
19 : 3,285,301
26 : 3,269,435
32 : 3,236,036
3,237,388
3,254,686
3,279,272
33 : 3,244,203
3,245,439
3,262,471
3,262,472
3,269,433
35 : 3,242,953
3,275,045
3,277,934
36 : 3,232,326
3,234,976
3,244,031
3,262,472
3,262,473
3,280,861
37 : 3,259,157
3,272,242
3,285,301
38 : 3,234,978
3,283,637
41 : 3,275,046
3,285,303
43 : 3,234,976
3,244,203
3,246,460
3,251,388
3,291,167
44 : 3,247,837
46 : 3,236,274
3,244,042
3,254,686
3,263,716
3,275,044
3,285,303
47 : 3,251,388
3,269,237
3,288,181
3,289,662
3,291,166
3,292,669
48 : 3,245,440
49 : 3,275,049
51 : 3,272,242
55 : 3,292,672
56 : 3,285,302
57 : 3,254,686
3,286,743
60 : 3,242,779
63 : 3,242,956
68 : 3,236,111
3,270,369
3,277,934
72 : 3,284,895
79 : 3,292,672
85 : 3,265,104
89 : 3,263,714
102 : 3,269,432
105 : 3,242,954
3,275,046
108 : 3,259,156
132 : 3,229,733
3,229,734
3,280,861
133 : 3,228,438
3,287,793
3,292,237
3,295,400
135 : 3,260,287
3,283,789
3,292,670
155 : 3,254,641
156 : 3,260,290
3,263,669
3,270,369
3,286,987
157 : 3,232,009
3,246,675
3,267,974
159 : 3,230,987
3,270,785
3,292,671
3,292,673
160 : 3,259,155
3,285,302
168 : 3,229,733
3,229,735
3,263,716
3,285,110
174 : 3,273,613
3,280,660
3,286,744

Class 144

1 : 3,229,732
3,269,433
3,295,414
2 : 3,235,016
3,235,156
3,238,981
3,245,441
3,245,444
3,252,487
3,269,437
3,270,787
3,273,614
3,277,936
3,277,937
3,280,863
3,292,496
3 : 3,235,949
3,236,274
3,240,245
3,254,686
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24 : 3,257,871
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32 : 3,289,290
34 : 3,243,903
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69 : 3,238,980
70 : 3,288,183
74 : 3,266,536
82 : 3,288,181
85 : 3,272,244
87 : 3,278,177
91 : 3,289,714
92 : 3,230,797
93 : 3,262,339
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136 : 3,238,980
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.5 : 3,273,461
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175 : 3,282,312
176 : 3,268,178
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229 : 3,237,275
230 : 3,237,276
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235 : 3,233,642
237 : 3,237,275
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252 : 3,274,892
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316 : 3,295,571
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319 : 3,263,718
321 : 3,279,509
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322 : 3,276,493
323 : 3,245,442
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3,279,509
326 : 3,250,305
3,262,476
3,263,719
3,266,538
327 : 3,231,455
3,269,440
3,282,311
3,292,676
328 : 3,229,401

Class 145

1 : 3,257,671
3 : 3,245,094
7 : D203,575
10 : 3,279,507
24 : 3,231,972
25 : 3,279,507
27 : 3,284,912
29 : 3,253,329
30 : 3,228,720
46 : 3,228,269
50 : 3,238,540
3,239,233
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51 : 3,260,544
52 : 3,266,537
61 : 3,253,393
3,253,395
3,266,081
3,269,228
3,292,678
62 : 3,245,445
64 : 3,227,015
65 : 3,295,399
71 : 3,258,998
114 : 3,289,499
115 : 3,234,974
116 : 3,263,721
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124 : 3,244,033
3,276,293
126 : 3,248,975
129 : 3,241,453
3,242,773
3,282,132

Class 146

1.6 : 3,240,601
3 : 3,264,975
3,267,838
4 : 3,270,789
3,292,257
6 : 3,236,276
3,246,678
17 : 3,234,984
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3,282,314
3,285,388
28 : RE.26,111
RE.26,117
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3,229,740
3,269,515
3,273,692
32 : 3,269,442
38 : 3,246,677
43 : D203,647
3,237,664
47 : 3,246,677
52 : 3,232,328
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3,295,573
56 : 3,270,789
59 : 3,291,176
68 : 3,295,997
69 : 3,241,477
70.1 : 3,260,468
71.5 : 3,251,557
72 : 3,236,128
3,241,586
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73 : 3,258,045
76 : 3,229,698
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3,266,543
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95 : 3,258,881
101 : 3,228,442
102 : 3,279,548
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105 : 3,228,442
106 : 3,232,009
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107 : RE.25,991
108 : 3,282,404
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175 : 3,241,587
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213 : D205,538
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222 : 3,266,542
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223 : 3,248,060
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224 : 3,270,788
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225 : 3,251,557
231 : 3,269,442
237 : 3,260,291
238 : RE.26,111
3,246,677
3,270,788
239 : 3,255,793
240 : 3,236,276
241 : 3,246,678
246 : 3,233,079
279 : 3,261,690

Class 147

6 : 3,251,170

Class 148

1 : 3,234,351
3,239,388
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.5 : 3,228,811
.5 : 3,231,436
.5 : 3,232,745
.5 : 3,232,799
.5 : 3,233,174
.5 : 3,235,428
.5 : 3,237,272
.5 : 3,240,571
.5 : 3,242,016
.5 : 3,242,061
.5 : 3,243,320
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12 : 3,229,492
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146 : 3,247,353
3,257,865
3,266,956
3,272,954
3,275,481
3,278,349
147 : 3,231,433
3,262,186
148 : 3,227,586
3,284,251
149 : 3,284,251
150 : 3,231,434
3,240,639
3,247,353
3,257,865
3,268,370
3,272,954
3,276,924
3,284,148
151 : 3,257,865
3,266,956
3,275,481
121 : 3,247,031
152 : 3,235,241
3,266,956
3,284,251
153 : 3,231,432
3,231,434
3,235,416
3,242,017
3,245,847
3,247,353
3,254,991
3,255,053
3,256,119
3,260,623
157 : 3,242,017
3,268,370
3,268,328
3,268,373
3,275,480
3,276,919
158 : 3,230,080
3,255,054
3,259,530
3,290,186
159 : 3,227,644
3,236,632
3,240,688
3,250,649
3,252,841
3,265,493
3,268,369
3,274,085
3,282,745
3,291,654
160 : 3,240,635
3,279,039
161 : 3,230,079
3,231,372
162 : 3,232,751
3,272,666
171 : 3,242,015
3,243,320
3,243,373
3,275,557
174 : 3,232,803
3,234,057
3,234,058
3,242,007
3,249,473
3,258,359
3,260,624
3,261,727
3,265,542
3,271,208
3,271,209
174 : 3,287,162
175 : 3,233,305
3,235,418
3,236,701
3,244,950
3,261,726
3,277,006
3,278,347
3,284,643
3,287,186
3,290,753
177 : 3,240,630
3,242,014
3,278,349
178 : 3,245,846
3,254,389
3,258,371
3,272,668
179 : 3,243,324
3,271,632
3,275,482
3,295,185
180 : 3,239,392
3,257,247
3,260,625
3,264,148
3,268,375
3,272,668
3,275,482
3,279,963
3,290,188
181 : 3,235,419
3,242,018
3,264,148
3,272,668
3,276,925
183 : 3,272,668
3,291,658
185 : 3,235,419
3,243,324
3,243,325
3,245,847
3,258,371
3,258,660
3,260,625
3,261,725
3,264,148
3,268,375
186 : 3,231,500
3,242,394
3,242,551
3,261,080
3,271,210
3,275,557
3,276,097
3,279,963
3,281,291
3,290,179
3,293,084
187 : 3,245,794
3,261,773
3,264,707
3,279,963
3,281,915
3,287,162
3,289,267
3,290,127
3,290,180
3,290,760
188 : 3,242,395
3,254,389
3,260,626
3,279,962
3,281,291
3,287,187
3,291,657
189 : 3,245,848
3,247,032
3,264,149
3,268,374
3,271,210
3,271,211
3,275,557
3,276,097
3,279,963
3,281,291
3,293,087
190 : 3,244,566
3,244,567
3,245,848
3,249,831
3,266,952
3,279,962
3,293,084
191 : 3,255,056
3,260,624
3,282,807
3,293,087
336 : 3,240,630
615 : 3,275,441

Class 149

1 : 3,234,729
3,235,335
3,254,485
3,257,250
3,257,802
3,260,632
3,263,414
3,278,351
3,283,507
3,287,156
2 : 3,227,588
3,235,420
3,242,020
3,247,033
3,250,829
3,257,802
3,260,203
3,264,151
3,264,993
3,266,960
3,272,755
3,279,965
3,280,746
3,287,911
3,288,661
3,291,627
4 : 3,249,476
7 : 3,230,038
3,279,965
3,287,189
8 : 3,256,214
3,278,350
11 : 3,236,702
3,291,666
3,296,042
14 : 3,242,683
15 : 3,231,368
3,287,190
17 : 3,259,531
3,269,879
18 : 3,239,583
3,243,326
3,282,754
3,284,254
3,287,190
3,287,911
3,296,044
19 : 3,228,813
3,232,941
3,234,729
3,235,544
3,236,705
3,242,019
3,242,022
3,246,053
3,247,268
3,248,410
3,254,096
3,254,132
3,255,281
3,256,214
3,257,801
3,257,802
3,258,487
3,259,531
3,260,203
3,260,631
3,264,151
3,264,993
3,265,671
3,265,730
3,265,761
3,269,880
3,269,992
3,272,755
3,278,350
3,280,746
3,290,190
3,291,661
3,291,665
3,293,056
3,293,090
3,296,041
3,296,160
20 : 3,232,801
3,234,059
3,242,019
3,264,151
3,265,543
3,291,661
3,296,042
21 : 3,236,702
3,252,842
3,252,843
3,266,959

Class 149—Con.

21 : 3,296,041
22 : 3,228,986
3,228,987
3,231,622
3,234,059
3,234,287
3,234,288
3,238,262
3,240,640
3,242,021
3,242,667
3,247,034
3,247,255
3,247,256
3,248,168
3,249,639
3,250,651
3,252,842
3,254,096
3,254,115
3,255,059
3,255,244
3,256,056
3,257,248
3,257,801
3,258,487
3,259,972
3,260,627
3,260,724
3,260,754
3,266,958
3,268,376
3,269,992
3,286,628
3,287,190
3,287,416
3,288,660
3,288,802
3,290,190
3,291,820
3,293,091
3,293,187
3,293,303
3,296,260
3,296,274
23 : 3,291,664
24 : 3,238,076
3,262,956
3,276,926
3,293,091
26 : 3,291,663
3,293,091
27 : 3,291,663
28 : 3,291,663
30 : 3,261,732
31 : 3,291,659
33 : 3,254,996
3,291,664
35 : 3,248,168
3,265,545
3,276,926
3,284,255
3,287,911
3,291,663
3,291,664
3,293,091
36 : 3,228,814
3,230,281
3,232,801
3,234,729
3,242,211
3,244,702
3,249,609
3,250,651
3,255,059
3,258,478
3,259,657
3,260,724
3,268,376
3,276,926
3,278,596
3,281,219
3,283,507
3,286,954
3,291,662
3,296,307
37 : 3,228,338
3,254,996
3,257,248
3,257,801
3,259,972
3,260,631
3,271,980
3,273,499
38 : Re.26,115
3,228,813
3,238,074
3,265,543
3,275,485
3,287,190
3,290,190
39 : 3,238,074
39 : 3,238,076
3,240,640
3,249,476
3,261,732
3,263,608
3,281,292
3,293,091
40 : 3,287,190
3,293,187
41 : 3,234,059
3,235,423
3,238,074
3,242,020
3,249,474
3,249,476
3,261,732
3,266,959
3,274,035
3,275,484
3,278,353
3,281,292
3,282,752
3,288,658
3,288,661
3,293,091
42 : 3,234,059
3,235,424
3,238,074
3,245,850
3,249,474
3,257,801
3,258,373
3,261,731
3,261,732
3,262,824
3,274,035
3,275,484
3,282,752
3,291,665
46 : 3,232,940
3,236,180
3,242,019
3,247,033
3,252,753
3,254,151
3,257,801
3,258,373
3,260,632
3,263,608
3,265,543
3,270,047
3,273,499
3,275,483
3,282,753
3,287,416
3,288,659
3,291,661
47 : 3,232,940
3,232,941
3,255,057
3,281,292
3,296,042
48 : 3,284,254
50 : 3,235,425
51 : 3,265,543
53 : 3,235,425
3,284,254
54 : 3,235,425
55 : 3,247,035
56 : 3,247,035
3,293,090
57 : 3,247,035
3,293,090
59 : 3,254,601
60 : 3,235,425
3,236,180
3,242,019
3,245,850
3,247,033
3,251,781
3,260,632
3,275,483
3,278,350
3,279,965
3,282,753
3,282,754
3,287,189
3,291,659
3,291,661
3,296,042
61 : 3,247,033
3,257,801
3,264,151
3,266,960
3,269,879
3,281,292
3,282,752
3,288,658
3,288,661
3,291,659
3,296,044
62 : 3,293,091
3,296,042
3,296,044
67 : 3,281,292
68 : 3,278,353
69 : 3,281,292
70 : 3,282,752
71 : 3,282,752
72 : 3,282,752
73 : 3,245,850
3,282,752
74 : 3,230,700
3,234,729
3,235,422
3,239,519
3,242,019
3,257,250
3,283,507
3,286,954
3,296,044
75 : 3,272,755
3,275,483
3,282,753
76 : 3,245,850
3,254,117
3,256,326
3,257,801
3,258,479
3,259,531
3,262,824
3,265,726
3,269,879
3,270,047
3,275,483
3,282,753
3,287,416
3,288,659
3,291,661
77 : 3,231,602
3,232,941
3,250,791
3,257,801
3,258,479
3,258,490
3,258,498
3,265,544
3,265,726
3,269,879
3,270,047
3,282,753
3,282,968
3,287,416
3,296,160
78 : 3,296,042
83 : 3,230,120
3,245,850
3,265,544
3,270,047
3,282,753
3,291,661
3,296,042
87 : 3,235,422
3,242,667
87 : 3,243,326
3,252,842
3,255,058
3,257,802
88 : 3,232,940
3,245,962
3,249,631
3,254,096
3,255,057
3,257,470
3,263,414
3,265,730
3,285,958
3,287,418
3,291,659
3,291,663
3,291,664
89 : 3,236,046
3,258,498
3,263,414
3,267,158
3,275,485
3,283,507
3,288,867
3,290,357
90 : 3,288,867
91 : 3,284,254
3,288,867
92 : 3,227,588
3,228,815
3,228,929
3,231,597
3,232,941
3,235,420
3,238,075
3,239,502
3,242,864
3,248,420
3,255,059
3,262,943
3,265,545
3,266,957
3,269,880
3,274,259
3,284,254
3,284,255
3,288,863
3,293,091
3,296,041
93 : 3,238,245
3,278,353
3,284,254
3,284,255
3,291,663
3,293,091
94 : 3,271,120
3,291,659
96 : 3,230,212
3,236,702
3,251,823
3,264,993
3,282,751
3,284,253
98 : 3,236,704
3,264,993
3,280,746
99 : 3,228,815
3,235,420
3,236,704
100 : 3,235,420
3,236,702
3,251,823
3,260,203
101 : 3,265,543
105 : 3,231,437
3,245,962
3,247,035
3,265,545
3,271,212
3,274,259
3,278,353
3,284,255
3,291,663
3,291,664
3,293,090
3,296,041
106 : 3,271,212
3,284,255
107 : 3,271,212
3,291,659
108 : 3,256,214
3,291,659
109 : Re.26,116
3,230,120
3,230,263
3,230,264
3,231,602
3,236,046
3,236,705
3,236,850
3,238,228
3,239,519
3,239,534
3,242,667
109 : 3,242,683
3,247,268
3,249,476
3,249,609
3,249,630
3,254,117
3,254,132
3,258,309
3,258,476
3,258,479
3,259,532
3,260,627
3,260,628
3,260,629
3,260,630
3,261,731
3,263,414
3,265,726
3,268,377
3,268,583
3,271,120
3,273,332
3,274,223
3,278,351
3,278,595
3,280,088
3,280,746
3,282,663
3,282,968
3,283,507
3,286,954
3,287,156
3,288,658
3,288,660
3,288,661
3,288,827
3,290,343
3,291,659
3,291,660
3,291,661
3,291,664
3,291,743
3,293,091
3,296,043
3,296,045
3,296,211
110 : 3,235,420
111 : 3,236,704
112 : 3,247,033
3,252,843
3,266,959
113 : 3,266,959
114 : 3,238,076
3,243,326
3,255,058
3,281,292
115 : 3,227,588
3,250,651
3,296,041

Class 150

.5 : 3,228,575
.5 : 3,229,810
.5 : 3,231,270
.5 : 3,236,373
.5 : 3,238,984
.5 : 3,244,148
.5 : 3,250,429
.5 : 3,250,742
.5 : 3,251,069
.5 : 3,251,075
.5 : 3,251,299
.5 : 3,251,499
.5 : 3,252,625
.5 : 3,255,020
.5 : 3,256,527
.5 : 3,260,371
.5 : 3,260,399
.5 : 3,261,458
.5 : 3,266,491
.5 : 3,266,658
.5 : 3,270,790
.5 : 3,272,373
.5 : 3,272,908
.5 : 3,276,375
.5 : 3,282,361
.5 : 3,283,942
.5 : 3,288,318
.5 : 3,288,323
.5 : 3,288,340
.5 : 3,290,021
.5 : 3,295,725
1 : 3,227,137
3,237,624
3,242,740
3,256,975
3,259,920
3,262,557
3,265,262
3,276,670
3,279,523
3,288,132
1 : 3,292,813
.5 : 3,232,503
2.1 : 3,289,723
.2 : 3,239,057
.3 : 3,244,210
.6 : 3,244,210
3 : 3,226,787
3,246,672
3,256,919
3,268,151
3,285,499
3,292,748
3,292,302
3,260,488
7 : 3,291,178
8 : 3,231,901
3,247,999
9 : 3,243,823
3,263,903
3,282,412
11 : 3,262,638
3,283,994
12 : 3,231,901
3,245,448
3,254,817
3,285,659
28 : 3,227,338
3,267,980
3,280,870
3,285,307
3,295,643
29 : 3,295,645
30 : 3,261,387
3,272,412
3,295,643
32 : 3,275,053
3,295,645
33 : 3,295,576
3,295,645
34 : 3,232,397
35 : 3,261,094
3,262,478
37 : 3,242,930
3,272,248
3,286,751
38 : 3,288,188
39 : 3,227,471
3,256,631
3,266,544
3,286,751
3,292,225
40 : 3,280,967
3,286,751
42 : 3,254,688
3,291,178
3,295,643
51 : 3,288,187
52 : 3,236,366
3,239,114
3,241,877
3,246,446
3,258,091
3,259,173
3,263,352
3,266,182
3,269,710
3,281,106
3,283,059
3,287,740
3,295,887
.6 : 3,295,236

Class 151

2 : 3,269,009
3 : 3,254,363
3,272,446
5 : 3,232,639
3,237,665
3,285,312
7 : 3,241,422
3,246,680
3,254,691
3,259,928
3,270,610
3,273,443
3,275,054
3,280,873
3,285,311
3,286,578
9 : 3,272,249
14 : 3,245,142
3,287,026
.5 : 3,282,015
15 : 3,289,297
21 : 3,229,999
3,233,262
3,237,069
3,242,962
3,257,134
3,261,043
3,261,357
3,262,353
3,267,764
22 : 3,238,985
3,266,363
23 : 3,249,141
24 : 3,237,976
25 : 3,269,202
28 : 3,232,639
30 : 3,271,057
34 : 3,240,513
3,262,340
35 : 3,238,543
3,256,671
3,263,727
37 : 3,233,498
3,241,422
3,267,793
38 : 3,241,422
3,246,680
3,270,767
40 : 3,254,363
41 : 3,275,055
.7 : 3,233,645
.7 : 3,251,079
.71: 3,235,917
.71: 3,288,512
.72: 3,229,363
.72: 3,233,318
.72: 3,245,449
.72: 3,257,134
.72: 3,272,250
.72: 3,274,638
.72: 3,280,872
.72: 3,285,311
.73: 3,230,994
.73: 3,233,258
.73: 3,233,645
.73: 3,234,987
.73: 3,236,143
.73: 3,251,619
.73: 3,254,690
.73: 3,270,355
.73: 3,270,610
.73: 3,270,792
.73: 3,270,793
.73: 3,280,872
.73: 3,280,874
.73: 3,281,171
.73: 3,281,173
.73: 3,289,724
.73: 3,290,109
.74: 3,271,058
.75: 3,235,917
.75: 3,241,232
.75: 3,263,949
.75: 3,277,234
.75: 3,285,560
.75: 3,287,036
.75: 3,292,479
44 : 3,229,742
3,289,296
53 : 3,290,071
68 : 3,232,639
3,241,794
3,279,518
3,295,579
69 : 3,227,029
3,232,088
3,247,754
3,250,559
3,260,989
3,267,793
3,272,249
3,286,579
3,289,521
3,295,578
3,295,874
70 : 3,286,978
3,289,692

Class 152

42 : 3,279,339
109 : 3,271,170
151 : 3,274,160
153 : 3,256,920
155 : 3,234,989
158 : 3,288,193
176 : 3,230,998
185 : 3,237,668
209 : 3,234,989
211 : 3,261,646
3,283,053
218 : 3,233,646
219 : 3,242,963
225 : 3,283,796
228 : 3,283,798
245 : 3,282,318
317 : 3,256,123
330 : 3,236,815
3,260,641
3,281,310
340 : 3,251,391
349 : 3,245,453
3,260,295
352 : 3,247,880

353 : 3,233,849
354 : 3,258,049
355 : 3,245,853
359 : 3,241,592
3,243,338
3,282,039
361 : 3,240,249
362 : 3,254,694
3,282,724
366 : 3,286,757
370 : 3,250,156
3,277,642
3,296,048
374 : 3,232,331
375 : 3,251,391
384 : 3,234,989
396 : 3,282,321
397 : 3,247,879
398 : 3,229,744
3,234,989
415 : 3,254,666
3,260,295
3,279,248
416 : 3,240,240

Class 153

35 : 3,227,848
67 : 3,226,767
80.5 : 3,228,096

Class 154

2.6 : 3,234,178
50 : 3,231,592
75 : 3,234,178
128 : 3,234,178
244 : 3,238,284

Class 156

1 : 3,295,559
2 : 3,265,480
3,265,546
3,266,963
3,271,226
3,290,192
3,296,012
3 : 3,230,543
3,231,425
3,231,456
3,241,934
3,244,581
3,258,387
3,259,805
3,264,159
3,264,402
3,265,480
3,266,963
3,269,861
3,271,488
3,272,909
3,273,226
3,275,428
3,276,106
3,278,887
3,279,043
3,291,667
3,293,092
3,293,093
5 : 3,237,230
3,240,601
3,243,317
3,257,251
3,271,226
3,276,927
3,291,640
6 : 3,249,478
3,290,191
7 : 3,234,060
3,236,706
3,239,466
3,247,579
3,252,844
3,256,588
3,260,633
3,265,480
3,266,963
3,272,909
3,287,161
8 : 3,228,862
3,231,380
3,240,684
3,265,916
3,282,755
3,284,322
3,287,192
10 : 3,290,191
11 : 3,236,707
3,237,253
3,260,634
3,265,480
3,265,546
3,266,963
11 : 3,268,378
3,271,149
3,271,150
3,272,670
3,287,191
3,290,191
12 : 3,227,589
3,290,191
13 : 3,236,707
3,236,708
3,271,149
3,271,150
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3,272,675
3,277,067
3,280,217
3,287,205
3,231,526
3,232,805
3,236,796
3,231,540
3,238,078
3,240,736
3,249,464
3,257,440
3,280,214
3,285,802
3,288,893
3,247,603
3,228,823
3,230,290
3,230,842
3,238,086
3,238,087
3,239,598
3,240,376
3,240,736
3,242,116
3,247,043
3,256,135
3,256,455
3,257,440
3,259,534
3,260,637
3,261,817
3,261,882
3,261,883
3,265,707
3,266,970
3,267,467
3,271,225
3,272,676
3,278,333
3,278,475
3,280,110
3,281,310
3,281,311
3,282,773
3,284,392
3,284,497
3,285,798
3,290,208
3,290,259
3,293,112
3,293,224
3,296,208
3,296,334
3,227,694
3,232,813
3,235,520
3,238,186
3,249,482
3,252,848
3,258,454
3,260,397
3,275,589
3,280,106
3,284,262
3,284,276
3,284,423
3,293,111
3,231,460
3,238,186
3,240,651
3,249,482
3,257,266
3,258,388
3,258,389
3,260,641
3,274,136
3,276,948
3,293,100
3,228,824
3,231,650
3,236,796
3,238,077
3,240,649
3,240,662
3,241,592
3,242,038
3,264,156
3,264,168
3,268,386
3,268,467
3,271,225
3,281,310
3,284,278
3,284,279
3,228,818
3,228,824
3,228,899
3,230,130
3,231,526
3,232,813
3,232,897
3,234,067
3,240,251
3,240,649
3,240,650
3,240,651
3,240,659
3,240,660
3,240,736
3,242,118
3,247,043
3,251,724
3,256,137
3,257,440
3,258,436
3,259,670
3,261,883
3,262,482
3,266,970
3,267,053
3,268,386
3,268,467
3,274,139
3,275,491
3,276,948
3,280,217
3,281,310
3,281,311
3,281,493
3,284,392
3,288,742
3,293,095
3,228,781
3,228,818
3,251,703
3,290,203
3,252,851
3,275,488

338 : 3,258,388
3,258,389
342 : 3,290,205
344 : 3,231,446
3,237,294
3,246,393
3,264,417
3,271,236
345 : 3,227,166
3,261,370
3,266,502
3,282,273
348 : 3,233,301
3,280,663
350 : 3,251,722
3,268,380
351 : 3,233,576
352 : 3,250,657
3,253,544
353 : 3,271,219
3,282,764
354 : 3,235,433
356 : 3,278,359
3,283,739
357 : 3,249,024
3,283,739
360 : 3,282,018
361 : 3,244,340
362 : 3,264,161
363 : 3,238,080
364 : 3,274,043
365 : 3,281,304
366 : 3,278,359
367 : 3,233,576
3,244,576
3,284,265
368 : 3,251,722
369 : 3,226,764
3,271,215
370 : 3,243,327
3,280,229
371 : 3,276,928
373 : 3,283,048
375 : 3,269,237
3,282,767
377 : 3,276,928
378 : 3,251,935
3,262,192
380 : 3,238,346
3,247,041
3,270,101
3,274,037
3,281,302
3,287,097
3,291,671
381 : 3,249,481
3,296,051
382 : 3,228,330
3,230,124
3,234,065
3,245,195
3,255,843
3,258,379
3,272,672
3,282,763
3,284,263
383 : 3,268,846
384 : 3,264,164
3,295,654
388 : 3,261,738
389 : 3,236,714
3,293,099
390 : 3,271,223
392 : 3,245,856
3,259,533
3,260,661
393 : 3,248,114
395 : 3,293,101
396 : 3,281,304
397 : 3,229,013
3,251,722
400 : 3,237,199
3,257,255
401 : 3,265,549
402 : 3,232,817
403 : 3,244,575
3,272,677
405 : 3,251,722
3,293,101
406 : 3,281,304
407 : 3,240,653
408 : 3,264,162
3,278,361
409 : 3,244,575
412 : 3,268,382
413 : 3,278,361
414 : 3,245,853
415 : 3,234,070
3,237,199
416 : 3,229,013
3,235,435
3,265,549
3,268,382
3,278,362
416 : 3,281,305
417 : 3,240,643
421 : 3,258,383
422 : 3,251,384
423 : 3,228,678
3,244,574
3,275,490
3,283,739
425 : 3,230,122
3,231,442
3,281,304
426 : 3,236,711
3,250,602
428 : 3,250,654
429 : 3,240,643
3,240,645
3,271,064
431 : 3,234,063
3,234,721
3,281,299
432 : 3,249,481
3,283,050
3,296,051
433 : 3,236,710
435 : 3,230,134
3,234,600
3,266,969
3,277,547
436 : 3,239,396
3,240,645
3,246,058
438 : 3,261,045
440 : 3,271,219
3,275,489
441 : 3,231,167
3,235,429
3,244,784
3,247,039
3,249,481
3,256,559
3,258,378
3,269,883
3,276,931
3,276,942
443 : 3,232,544
3,251,725
3,296,051
446 : 3,230,123
3,232,545
3,234,063
3,240,643
3,242,850
3,253,973
3,280,707
3,285,792
447 : 3,235,433
3,247,044
3,253,794
449 : 3,251,500
453 : 3,247,044
456 : 3,231,445
458 : 3,253,973
3,256,503
459 : 3,227,592
3,283,050
460 : 3,252,846
3,291,674
461 : 3,259,533
3,260,638
3,296,052
3,296,056
462 : 3,246,058
3,249,659
3,256,128
3,260,636
463 : 3,252,846
466 : 3,266,710
467 : 3,234,063
3,239,402
3,252,846
468 : 3,229,594
3,290,195
3,296,052
3,296,056
469 : 3,247,869
3,270,111
470 : 3,258,380
3,282,769
471 : 3,249,483
3,266,690
474 : 3,227,592
475 : 3,251,725
3,259,533
3,282,760
477 : 3,237,223
3,296,052
479 : 3,273,913
481 : 3,291,674
484 : 3,245,859
3,262,422
485 : 3,254,394
3,284,982
486 : 3,229,594
486 : 3,253,383
3,296,052
3,296,056
489 : 3,236,716
493 : 3,232,815
494 : 3,235,433
3,236,176
3,244,573
3,245,852
3,255,065
495 : 3,226,911
3,230,125
3,243,232
497 : 3,228,817
3,231,655
3,239,399
3,239,402
498 : 3,231,444
3,239,399
3,245,852
3,269,882
3,272,674
3,279,358
3,281,303
3,283,672
3,285,864
499 : 3,239,399
3,243,330
3,250,660
3,253,972
3,261,734
3,275,487
3,279,358
3,291,675
500 : 3,230,127
3,230,134
3,231,655
3,234,071
3,234,309
3,234,594
3,252,181
3,256,124
3,270,101
3,271,064
3,271,223
3,275,487
3,286,016
501 : 3,228,063
3,243,483
502 : 3,266,968
3,269,300
504 : 3,233,526
505 : 3,233,489
506 : 3,227,594
507 : 3,227,594
3,251,935
508 : 3,282,759
509 : 3,263,371
510 : 3,230,128
3,232,808
3,234,063
3,235,430
3,235,434
3,236,713
3,243,327
3,250,658
3,253,973
3,256,128
3,281,304
3,283,671
512 : 3,266,965
3,272,673
513 : 3,227,854
3,289,509
514 : 3,257,258
3,287,878
515 : 3,230,663
3,234,069
3,234,072
3,239,915
3,241,588
3,243,330
3,243,487
3,244,043
3,244,573
3,257,256
3,271,560
3,279,398
3,284,269
516 : 3,239,399
517 : 3,237,496
3,245,860
3,257,253
3,265,553
3,278,363
3,284,982
519 : 3,227,388
3,232,808
520 : 3,272,681
3,287,198
521 : 3,238,081
3,255,067
3,284,270
522 : 3,229,594
3,242,850
3,244,576
3,290,199
525 : 3,267,204
3,293,100
526 : 3,260,638
527 : 3,231,446
535 : 3,249,484
537 : 3,233,527
3,285,314
538 : 3,284,269
540 : 3,252,847
3,265,553
3,283,886
542 : 3,238,080
3,261,734
544 : 3,235,429
3,282,766
3,251,297
545 : 3,234,975
548 : 3,236,713
3,253,122
3,255,494
3,257,257
3,257,939
3,258,385
3,271,214
3,272,674
3,282,760
3,283,052
3,283,395
3,284,271
3,288,677
3,288,013
3,291,963
3,295,167
584 : 3,230,123
3,231,446
3,240,652
3,256,128
3,256,503
3,265,553
3,266,797
3,271,227
3,271,236
3,274,038
3,289,285
585 : 3,236,718
3,242,828
588 : 3,233,814
3,250,660
3,276,937
3,280,708
594 : 3,245,121

Class 157

1.22: 3,244,218
.24: 3,267,977
13 : 3,238,982
3,258,044

Class 158

1 : 3,238,991
3,258,508
3,260,243
3,262,485
3,263,978
3,266,480
3,269,417
3,274,991
3,280,883
3,291,675
571 : 3,232,804
3,232,815
3,243,329
3,249,483
3,250,278
3,284,271
3,284,272
3,282,760
3,283,052
3,283,395
3,284,271
3,288,665
574 : 3,245,192
575 : 3,235,436
3,254,623
577 : 3,231,655
3,269,884
3,274,038
3,244,641
3,246,842
3,254,695
3,255,804
3,258,002
3,261,762
3,277,945
3,285,315
.5 : 3,266,550
3,290,883
3,227,203
3,235,182
3,236,282
3,236,826
3,236,870
3,238,065
42.1 : 3,228,447
.1 : 3,228,764
.1 : 3,232,332
.1 : 3,258,053
.2 : 3,236,282
.2 : 3,269,448
.2 : 3,276,506
.2 : 3,277,947
.4 : 3,236,453
.4 : 3,273,624
46 : 3,262,433
3,281,018
.5 : 3,238,664
.5 : 3,249,229
.5 : 3,253,256
49 : 3,276,508
50.1 : 3,234,737
.1 : 3,278,084
53 : 3,228,447
3,234,991
3,238,991
3,269,165
3,291,189
3,291,190
3,232,734
3,247,885
3,265,114
3,291,185
3,291,649
3,295,585
3,290,680
3,234,930
3,251,666
3,261,389
3,263,975
3,264,695
3,277,203
3,290,203
11 : 3,241,597
3,254,846
3,258,056
3,267,984
3,273,621
3,276,693
3,284,008
25 : 3,261,390
27.4 : 3,228,452
.4 : 3,228,610
.4 : 3,228,671
.4 : 3,239,205
.4 : 3,243,272
.4 : 3,249,349
.4 : 3,255,802
.4 : 3,262,872
.4 : 3,279,701
28 : 3,229,536
3,232,332
3,234,434
3,234,928
3,236,220
3,236,228
3,236,453
3,240,255
3,241,594
3,247,887
3,249,146
3,252,499
79 : 3,258,002
80 : 3,241,594
3,277,945
81 : 3,258,056
88 : 3,283,497
94 : 3,262,290
96 : Re.25,970
3,229,679
3,248,907
3,253,641
3,290,907
3,291,199
99 : 3,227,202
3,228,668
3,232,593
3,232,713
3,232,734
3,236,160
3,243,612
3,244,219
3,245,458
3,246,957
3,247,884
3,249,413
3,251,356
3,251,666
3,253,641
3,254,964
3,260,465
3,269,165
3,273,623
3,273,822
3,275,057
3,275,062
3,277,886
3,280,428
3,282,654
3,285,724
3,290,120
3,289,665
73 : 3,261,389
3,285,315
75 : 3,236,280
76 : 3,236,453
3,237,869
3,240,254
3,245,622
3,246,851
3,246,852
3,246,853
3,256,003
3,260,587
3,265,313
3,266,736
3,276,693
3,278,125
3,285,240
3,285,724
3,290,120
77 : 3,228,661
3,229,745
3,240,253
3,240,254
3,251,184
3,252,497
3,263,978
3,269,446
3,275,059
3,277,945
3,290,907
3,291,199
99 : 3,227,202
3,228,668
3,232,593
3,232,713
3,232,734
3,236,160
3,243,612
3,244,219
3,245,458
3,246,957
3,247,884
3,248,099
3,249,413
3,251,356
3,251,666
3,253,641
3,254,964
3,260,465
3,269,165
3,273,623
3,273,822
3,275,057
3,275,062
3,277,886
3,280,428
3,282,654
3,285,724
3,290,120
3,289,665

Class 158—Con.

116 : 3,259,170
3,269,449
3,285,317
117 : 3,233,997
.5 : 3,227,151
.5 : 3,228,447
.5 : 3,234,580
.5 : 3,236,280
.5 : 3,236,281
.5 : 3,237,677
.5 : 3,238,991
.5 : 3,240,254
.5 : 3,241,594
.5 : 3,244,219
.5 : 3,251,393
.5 : 3,255,802
.5 : 3,266,549
.5 : 3,273,623
.5 : 3,273,822
.5 : 3,287,902
.5 : 3,292,855
.5 : 3,296,125
118 : 3,229,680
3,247,885
3,260,465
3,265,114
119 : 3,228,764
3,229,748
3,233,987
3,236,449
3,262,485
3,269,450
3,283,801
122 : 3,265,112
3,266,551
3,275,058
3,280,884
3,286,761
3,292,855
123 : 3,236,284
3,254,871
3,262,019
3,262,486
3,285,589
3,290,178
3,291,649
124 : 3,258,055
125 : 3,269,447
3,279,521
3,291,115
3,291,183
126 : 3,251,336
3,265,114
3,272,254
128 : 3,228,448
3,238,992
3,245,456
3,246,207
3,259,169
3,263,731
3,265,111
3,273,019
3,276,507
3,282,322
3,282,324
3,295,583
130 : 3,228,447
3,245,618
3,290,178
131 : 3,235,180
3,258,659
3,264,421
132 : 3,233,987
136 : 3,228,331
139 : 3,265,299
140 : 3,252,308
3,258,202
3,260,500
143 : 3,236,448
299 : 3,290,483

Class 159

1 : 3,230,923
3,273,716
3,275,074
3,279,527
3,280,887
3,282,327
2 : 3,228,859
3,230,691
3,232,722
3,233,656
3,234,994
3,246,683
3,249,517
3,281,334
3 : 3,234,994
3,242,908
3,291,613
4 : 3,228,116
3,241,598
4 : 3,243,358
3,246,683
3,247,890
3,254,420
3,264,683
3,269,660
3,272,597
3,275,420
3,276,966
3,278,396
3,280,009
3,290,278
5 : 3,290,231
6 : 3,229,384
3,230,050
3,234,995
3,242,971
3,252,502
3,260,655
3,269,028
3,271,271
3,274,076
3,274,756
3,282,798
7 : 3,269,920
3,279,525
8 : 3,266,558
3,266,559
9 : 3,281,134
10 : 3,232,210
3,264,753
11 : 3,228,454
3,255,805
3,275,420
13 : 3,227,630
3,233,656
3,234,108
3,244,601
3,248,180
3,250,687
3,252,501
3,266,553
3,266,555
3,271,272
3,272,597
3,273,629
3,273,630
3,275,529
3,275,530
3,279,525
3,282,797
3,286,764
3,291,704
3,292,683
14 : 3,285,833
15 : 3,230,691
16 : 3,229,749
3,241,548
3,246,683
3,250,312
3,250,313
3,258,059
3,276,443
3,279,526
3,283,803
3,285,834
3,289,733
17 : 3,228,859
3,245,460
3,248,181
3,261,392
3,261,670
3,261,766
3,266,556
3,286,763
3,286,764
3,290,153
3,293,150
18 : 3,228,859
3,249,517
20 : 3,251,398
23 : 3,261,670
3,273,716
24 : 3,249,147
3,282,326
3,286,764
3,288,685
3,290,153
25 : 3,232,210
3,248,180
26 : 3,227,630
3,249,147
3,251,397
27 : 3,227,630
3,228,754
3,242,970
3,264,745
3,266,556
3,286,763
28 : 3,251,397
3,252,501
3,275,074
3,281,334
3,290,153
28 : 3,290,278
29 : 3,236,747
30 : 3,229,525
3,266,554
31 : 3,249,147
3,266,557
3,279,533
43 : 3,256,926
3,258,059
44 : 3,230,154
3,249,517
3,250,312
3,250,313
3,251,398
3,289,736
3,290,153
45 : 3,257,168
3,291,576
3,292,999
46 : 3,228,859
3,234,108
3,249,517
3,286,764
3,290,153
47 : 3,257,372
3,261,392
3,266,557
3,275,420
3,276,510
3,284,171
3,286,763
3,289,736
3,296,240
48 : 3,230,691
3,231,413
3,236,285
3,246,683
3,251,428
3,259,171
3,266,553
3,269,451
3,275,063
3,275,420
3,281,216
3,286,763
49 : 3,230,050
3,241,598
3,241,981
3,255,805
3,256,927
3,258,059
3,272,875
3,273,629
3,280,887
3,282,326
3,289,733
3,290,153
3,290,231

Class 160

2.5 : 3,251,728
5 : 3,247,894
3,249,148
3,276,942
10 : 3,293,632
21 : 3,260,257
23 : 3,237,682
3,241,899
3,292,971
24 : 3,251,264
3,282,545
26 : 3,285,325
27 : 3,244,222
37 : 3,244,222
40 : 3,229,751
3,250,040
3,253,552
3,280,526
3,295,257
3,295,588
61 : 3,249,682
3,263,735
62 : 3,239,267
66 : 3,283,806
67 : 3,263,735
68 : 3,255,725
3,292,971
81 : 3,289,351
84 : 3,229,750
3,256,931
3,259,151
3,286,299
3,289,741
90 : 3,239,976
91 : 3,280,889
92 : 3,243,928
98 : 3,247,894
122 : 3,285,093
126 : 3,231,007
132 : 3,229,846
133 : 3,231,005
3,237,682
3,285,089
134 : 3,238,995
135 : 3,232,370
3,247,628
156 : 3,290,014
159 : 3,256,896
3,285,323
161 : 3,256,896
166 : 3,264,724
172 : 3,249,148
174 : 3,276,942
176 : 3,240,260
3,249,148
3,280,891
178 : 3,253,645
3,265,117
3,276,511
3,280,891
183 : 3,236,289
3,277,952
188 : 3,237,681
3,238,995
3,280,892
3,289,350
189 : 3,280,888
191 : 3,247,892
192 : 3,273,632
3,280,888
193 : 3,270,572
199 : 3,229,751
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3,277,951
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Class 162

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Class 163

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Class 164

185 : 3,227,535

Class 165

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3,293,350
106 : 3,240,024
3,243,357
3,246,841
3,252,309
3,269,456
3,272,335
3,289,022
107 : 3,227,207
3,231,336
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3,240,262
3,242,975
3,253,647
3,254,843
3,255,813
3,263,741
3,269,458
3,283,810
3,295,335
3,295,596
3,254,705
3,271,934
3,271,935
3,281,334
3,282,333
111 : 3,288,203
3,288,208
3,289,742
3,289,745
3,291,205
113 : 3,262,489
114 : 3,271,935
115 : 3,271,968
3,271,969
3,282,797
3,289,752
116 : 3,259,182
118 : 3,292,998
119 : 3,240,339
120 : 3,234,998
3,239,001
3,250,315
3,253,892
3,255,814
3,257,189
3,263,738
3,263,748
3,267,585
3,277,656
3,282,197
3,282,331
3,283,523
3,286,477
121 : 3,265,123
3,266,562
3,279,209
3,285,328
122 : 3,229,070
3,230,293
3,252,509
3,295,591
123 : 3,259,178
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3,289,746
125 : 3,237,423
3,291,203
3,291,966
126 : 3,238,999
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128 : 3,275,495
129 : 3,251,401
130 : 3,269,456
131 : 3,231,011
132 : 3,229,445
3,237,684
3,251,401
3,267,996
3,288,208
133 : 3,229,757
3,230,936
3,232,065
3,232,280
3,236,476
3,244,856
3,260,783
3,262,494
3,266,169
3,266,565
3,268,989
3,291,198
134 : 3,228,456
3,228,458
3,236,063
3,236,476
3,238,029
3,239,164
3,250,322
3,251,404
3,257,710
3,258,064
3,261,329
3,267,992
3,279,450
3,283,811
3,287,090
3,289,744
135 : 3,266,562
3,270,802
3,273,356
3,282,011
3,285,534
136 : 3,231,339
3,244,224
3,249,737
3,265,121
3,269,422
139 : 3,251,401
140 : 3,253,651
3,263,748
3,266,268
3,280,899
141 : 3,236,052
3,253,647
3,254,843
3,291,568
142 : 3,242,981
3,273,356
143 : 3,235,000
3,249,153
3,251,404
3,253,648
3,260,066
3,271,934
144 : 3,251,409
3,254,942
3,262,494
3,276,517
145 : 3,231,015
3,233,664
3,247,897
3,253,648
3,260,055
3,266,561
3,267,692
3,270,521
3,282,257
147 : 3,291,202
148 : 3,258,832
3,275,072
3,289,744
149 : 3,265,126
151 : 3,239,002
3,286,328
152 : 3,228,461
3,229,760
3,292,247
153 : 3,265,126
3,273,227
154 : 3,228,460
3,235,003
3,235,947
3,253,326
3,256,883
3,280,904
155 : 3,236,052
3,251,397
156 : 3,278,122
3,284,170
158 : 3,237,684
3,245,464
3,250,319
3,267,906
3,269,459
3,279,532
3,285,713
3,289,745
3,289,756
159 : 3,238,902
3,261,392
3,276,517
160 : 3,267,693
161 : 3,229,479
3,238,729
3,241,335
3,285,707
3,285,708
3,287,090
162 : 3,239,426
3,240,267
3,240,681
3,244,225
3,277,959
3,286,767
163 : 3,228,463
3,247,681
3,271,935
3,277,958
3,282,257
3,286,767
3,292,823
164 : 3,250,322
3,269,422
165 : 3,228,185
3,240,683
3,253,651
3,256,082
166 : 3,231,015
3,256,704

Class 165—Con.

166 : 3,256,930
3,285,326
3,291,704
3,295,192
167 : 3,241,598
168 : 3,237,687
3,247,583
3,254,708
3,270,520
169 : 3,227,904
3,232,338
3,273,636
3,280,903
3,289,750
3,295,592
170 : 3,233,662
3,239,922
3,246,689
3,247,898
3,265,121
3,269,459
3,273,227
3,274,797
3,278,122
3,286,082
3,292,690
171 : 3,246,120
3,247,583
3,251,198
3,258,204
3,260,305
3,262,494
3,285,514
3,286,328
3,289,756
172 : 3,241,604
3,250,323
3,257,172
3,269,422
3,292,691
173 : 3,257,710
3,279,532
174 : 3,229,761
3,254,707
3,270,517
3,282,333
3,283,811
3,287,090
175 : 3,229,761
3,229,762
3,232,341
3,234,755
3,239,000
3,251,404
3,253,648
3,259,177
3,262,489
3,266,566
3,275,070
3,280,905
3,291,201
176 : 3,231,013
3,250,319
3,258,068
3,260,307
177 : 3,239,002
3,258,067
3,270,780
3,279,532
178 : 3,229,762
3,236,063
3,240,266
3,244,225
3,255,298
3,257,710
3,262,489
3,262,497
3,263,747
3,270,807
3,280,904
3,283,811
3,292,689
179 : 3,228,460
3,229,722
3,232,341
3,235,003
3,239,164
3,239,922
3,250,323
3,255,516
3,261,759
3,264,756
3,266,258
3,267,563
3,267,564
3,273,599
3,284,170
3,289,752
180 : 3,227,630
3,228,456
3,231,014
3,232,343
180 : 3,239,000
3,246,689
3,251,403
3,262,190
3,262,277
3,270,807
3,277,959
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3,289,756
181 : 3,247,583
3,250,324
3,251,401
182 : 3,246,213
3,250,319
3,254,200
3,258,066
3,260,652
3,263,746
3,266,567
3,277,957
3,292,689
183 : 3,238,902
3,246,120
3,257,836
3,261,759
3,262,494
3,269,459
184 : 3,229,445
3,231,477
3,232,344
3,249,154
3,260,652
3,269,420
3,280,851
185 : 3,231,339
3,232,338
3,232,344
3,236,300
3,238,029
3,240,263
3,243,660
3,246,213
3,246,841
3,248,078
3,253,423
3,259,052
3,259,305
3,261,396
3,263,313
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3,273,355
3,277,346
3,277,953
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3,289,752
3,295,595
3,295,598
186 : 3,247,602
3,267,997

Class 166

.5 : 3,247,914
.5 : 3,287,030
.6 : 3,251,611
.6 : 3,273,915
.6 : 3,279,539
.6 : 3,288,493
1 : 3,242,990
3,277,966
3,278,335
3 : 3,233,453
3,254,531
3,295,615
4 : 3,233,453
3,239,666
3,252,512
3,254,531
3,260,992
3,265,151
3,285,335
3,288,245
3,289,474
6 : 3,258,069
9 : 3,250,326
3,252,512
3,256,933
3,258,069
3,258,070
3,266,569
3,286,770
3,288,215
10 : 3,251,414
11 : 3,232,345
3,233,668
3,237,692
3,240,270
3,241,611
3,246,693
3,253,652
3,254,711
11 : 3,262,500
3,267,998
3,273,640
3,279,540
3,280,909
3,284,281
3,285,336
3,292,693
14 : 3,238,973
3,242,985
15 : 3,277,961
20 : 3,252,514
21 : 3,231,021
3,253,655
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3,289,762
23 : 3,252,514
25 : 3,273,641
29 : 3,252,514
3,253,664
3,274,784
3,288,230
3,291,214
30 : 3,259,188
31 : 3,245,814
3,262,274
32 : 3,236,305
3,241,612
33 : 3,227,212
3,237,690
34 : 3,268,001
3,273,641
3,295,603
35 : 3,246,692
3,270,668
3,273,639
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3,277,963
3,288,210
3,291,207
3,291,208
36 : 3,227,214
3,283,814
37 : 3,242,985
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38 : 3,237,691
3,250,330
3,259,187
3,261,400
3,269,461
3,270,813
3,270,815
3,270,816
3,291,212
39 : 3,233,669
3,236,304
3,262,857
3,272,262
3,291,215
3,292,701
40 : 3,227,211
3,228,468
3,241,611
3,246,695
3,254,716
3,259,186
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3,279,540
3,279,541
3,284,281
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3,291,212
41 : 3,228,878
3,244,188
3,249,535
3,271,307
3,292,704
42 : 3,227,211
3,228,470
3,231,031
3,235,005
3,236,304
3,237,690
3,241,613
3,242,032
3,242,987
3,244,234
3,245,468
3,245,866
3,246,695
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3,249,158
3,249,536
3,250,326
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42 : 3,270,813
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43 : 3,235,005
3,240,271
3,265,133
3,273,642
44 : 3,229,777
3,240,627
3,260,004
3,279,538
3,279,541
3,279,543
3,286,771
3,288,216
3,291,211
45 : 3,240,280
3,251,412
3,255,820
3,262,499
3,263,751
3,270,816
3,275,552
3,280,914
3,282,336
3,282,341
3,283,570
3,289,764
3,292,703
46 : 3,231,019
3,239,004
3,240,232
3,240,511
3,252,528
3,258,928
3,259,191
3,262,499
3,263,753
3,268,003
3,268,006
3,269,463
3,269,755
3,280,915
3,282,336
3,283,815
3,292,700
47 : 3,279,539
48 : 3,247,903
3,270,814
3,295,603
49 : 3,239,016
51 : 3,261,401
3,262,499
54.5 : 3,239,425
55 : 3,266,571
3,280,913
3,282,354
.1 : 3,227,214
.1 : 3,236,304
.1 : 3,273,647
.1 : 3,273,659
.1 : 3,288,210
.8 : 3,283,834
.8 : 3,289,760
56 : 3,286,771
57 : 3,227,215
3,246,695
3,247,901
3,262,500
3,286,769
59 : 3,244,231
3,284,137
60 : 3,236,304
61 : 3,228,471
3,242,989
62 : 3,241,615
3,286,771
63 : 3,240,273
3,255,822
3,264,994
3,273,645
3,283,294
64 : 3,227,215
3,260,308
3,266,574
65 : 3,233,674
3,260,308
3,265,131
3,278,335
3,288,648
66 : 3,250,326
3,277,969
66 : 3,288,210
.5 : 3,226,977
.5 : 3,231,297
.5 : 3,241,864
.5 : 3,246,919
.5 : 3,260,270
67 : 3,261,401
68 : 3,249,054
3,250,326
3,260,308
3,273,644
69 : 3,283,822
70 : 3,291,217
72 : 3,227,215
3,236,307
3,280,914
3,288,221
73 : 3,268,004
74 : 3,280,915
3,286,771
75 : 3,227,229
3,228,472
3,232,346
3,233,666
3,236,301
3,239,004
3,239,246
3,242,990
3,242,991
3,247,903
3,254,711
3,256,937
3,261,403
3,265,130
3,285,485
3,289,765
77.5 : 3,239,016
.5 : 3,240,511
.5 : 3,290,006
78 : 3,282,339
81 : 3,270,810
83 : 3,288,493
85 : 3,241,864
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88 : 3,239,248
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3,292,619
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89 : 3,239,246
3,247,903
3,248,132
3,253,835
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3,279,536
90 : 3,277,964
92 : 3,239,004
98 : 3,253,854
3,262,501
3,266,835
99 : 3,227,216
3,255,822
3,273,932
100 : 3,254,661
3,261,402
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3,273,659
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105 : 3,261,403
3,273,644
106 : 3,289,763
107 : 3,265,133
113 : 3,268,006
3,277,969
115 : 3,279,543
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3,283,570
116 : 3,233,674
117 : 3,231,020
3,265,133
.5 : 3,242,985
.7 : 3,273,645
119 : 3,252,516
3,295,606
120 : 3,239,008
3,266,575
3,283,824
3,288,218
123 : 3,237,695
3,254,722
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124 : 3,232,347
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124 : 3,273,646
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125 : 3,229,997
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126 : 3,254,722
127 : 3,252,516
128 : 3,260,309
129 : 3,288,221
130 : 3,249,149
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3,279,542
3,279,544
3,283,819
131 : 3,266,576
133 : 3,252,519
3,266,576
3,292,717
134 : RE.26,085
3,233,675
3,236,309
3,237,695
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3,244,233
3,249,149
3,253,656
3,254,722
3,265,132
3,266,576
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3,270,819
3,275,079
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3,282,342
3,283,819
3,283,824
3,288,219
3,288,222
135 : 3,244,233
3,250,331
3,285,343
3,287,920
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3,291,218
136 : 3,270,819
138 : 3,253,656
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3,279,544
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139 : 3,232,347
3,241,616
3,260,310
3,270,819
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140 : 3,243,933
3,252,517
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142 : 3,240,273
147 : 3,280,917
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149 : 3,268,004
150 : 3,236,307
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151 : 3,252,519
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3,259,192
152 : 3,236,307
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153 : 3,269,463
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154 : 3,243,962
155 : 3,239,004
156 : 3,239,004
3,243,962
158 : 3,265,135
162 : 3,291,219
163 : 3,253,654
164 : 3,245,268
165 : 3,254,710
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170 : 3,251,306
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172 : 3,237,696
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173 : 3,292,708
174 : 3,251,418
175 : 3,289,766
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177 : 3,237,696
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3,251,424
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3,268,007
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177 : 3,289,766
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178 : 3,285,353
182 : 3,280,915
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183 : 3,251,416
184 : 3,236,307
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185 : 3,247,904
187 : 3,227,462
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188 : 3,276,520
3,280,916
189 : 3,239,008
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3,252,516
190 : 3,233,676
191 : 3,247,904
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192 : 3,231,020
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194 : 3,239,009
195 : 3,231,020
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200 : 3,227,462
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205 : 3,273,641
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207 : 3,245,471
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208 : 3,227,217
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210 : 3,285,345
212 : RE.26,085
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214 : 3,266,835
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216 : 3,241,616
3,279,542
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217 : 3,229,767
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222 : 3,270,814
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223 : 3,254,720
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224 : 3,228,473
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225 : 3,266,577
226 : 3,249,124
3,252,518

226 : 3,254,722
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227 : 3,270,817
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228 : 3,252,515
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235 : 3,255,821
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237 : 3,229,768
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239 : 3,275,080
240 : 3,235,017
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3,292,705
242 : 3,231,019
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3,261,401
3,265,091

Class 167

3 : 3,247,214
13 : 3,228,960
3,231,564
3,232,969
3,234,032
3,234,228
3,234,255
3,235,450
3,235,455
3,235,556
3,236,793
3,236,887
3,244,727
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3,249,619
3,250,787
3,251,849
3,252,901
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3,256,288
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3,267,106
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14 : 3,234,075
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15 : 3,265,629
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19 : 3,232,969
22 : 3,227,579
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3,231,610
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3,258,398
3,259,627
3,261,746
3,261,753
3,264,188
3,265,571
3,265,629
3,266,499
3,267,091
3,268,563
3,269,903
3,270,016
3,270,039
3,270,045
3,271,416
3,271,437
3,272,810
3,272,855
3,275,621
3,275,643

90 : 3,278,538
3,278,539
3,280,179
3,281,465
3,281,466
3,285,959
3,288,822
3,290,323
3,290,324
3,293,247
3,293,249
3,296,076
3,296,077
3,296,078
3,296,080
3,296,196
91 : 3,227,657
3,228,842
3,230,228
3,231,472
3,235,458
3,248,285
3,249,549
3,250,680
3,250,681
3,251,740
3,256,271
3,256,312
3,257,329
3,258,398
3,258,400
3,258,466
3,261,753
3,262,942
3,262,943
3,264,188
3,264,311
3,265,629
3,266,995
3,270,039
3,272,713
3,281,374
3,281,465
3,281,466
3,285,818
3,288,824
3,290,324
3,290,327
3,290,328
3,290,332
3,290,338
3,290,339
3,290,374
3,291,790
3,291,794
3,291,797
3,291,798
3,291,799
3,291,800
3,291,803
3,291,806
3,291,807
3,291,808
3,291,811
3,291,815
3,291,824
3,291,828
3,291,829
3,291,830
3,293,133
3,293,242
3,293,243
3,293,252
3,293,254
3,293,255
3,293,259
3,293,260
3,293,261
3,293,263
3,293,284
3,293,294
3,293,296
3,293,300
3,296,091
3,296,243
3,296,246
3,296,249
3,296,250
3,296,251
3,296,252
3,296,255
3,296,258
3,296,259
3,296,261
3,296,263
3,296,268
3,296,276
3,296,277
3,296,278

92 : 3,250,680
3,250,681
3,258,400
3,266,995
3,278,383
3,288,681
93 : 3,227,521
3,227,657
3,227,707
3,235,457
3,236,833
3,242,056
3,243,377
3,250,680
3,250,681
3,251,800
3,257,276
3,266,867
3,267,135
3,268,455
3,268,593
3,269,814
3,277,118
3,277,132
3,279,068
3,279,992
3,282,778
3,287,219
3,293,191
94 : 3,227,731
3,227,742
3,234,028
3,235,601
3,236,869
3,238,260
3,240,812
3,242,175
3,244,708
3,244,751
3,244,752
3,246,036
3,248,381
3,248,430
3,250,724
3,250,815
3,251,740
3,252,998
3,258,497
3,259,627
3,261,746
3,265,739
3,268,589
3,268,593
3,268,594
3,270,016
3,270,061

Class 167—Con.

94 : 3,275,696
3,278,534
3,278,557
3,281,432
3,281,465
3,281,466
3,281,474
3,288,833
3,291,801
3,293,191
3,293,247
3,293,249
95 : 3,247,841
3,252,985
3,290,366
122 : 3,238,240
145 : 3,260,260
247.5 : 3,290,320
326.5 : 3,290,320
332.2 : 3,235,567
.3 : 3,235,567
347.2 : 3,235,567
.3 : 3,235,567
.5 : 3,235,567

Class 168

2 : 3,234,935
4 : 3,283,825
12 : 3,285,346
17 : 3,285,346
28 : 3,285,346

Class 169

1 : 3,246,432
3,256,261
3,268,184
3,283,828
2 : 3,228,296
3,241,617
3,248,074
3,261,404
3,268,009
3,272,263
3,273,651
3,273,652
3,277,964
3,283,826
4 : Re.26,020
3,268,009
5 : 3,227,219
9 : 3,228,474
11 : 3,283,827
13 : 3,234,962
14 : 3,234,962
15 : 3,231,134
16 : 3,227,219
3,229,770
3,234,962
18 : 3,279,262
19 : 3,242,652
3,289,686
21 : 3,262,322
3,262,323
22 : 3,292,709
23 : 3,229,770
3,288,224
24 : 3,243,123
3,253,677
26 : 3,268,184
3,273,652
3,279,262
3,292,814
28 : 3,235,860
3,268,009
3,290,256
31 : 3,228,572
3,229,851
3,245,474
3,251,419
3,254,807
3,257,035
3,260,421
3,265,248
3,283,827
32 : 3,240,403
3,255,924
37 : 3,273,652
38 : 3,246,432
41 : 3,253,657
42 : 3,246,432
3,248,055
3,268,184
3,275,012
3,288,224
3,289,686
3,291,216

Class 170

1.5 : 3,295,608
75 : 3,269,121
81 : 3,228,475
124 : 3,228,475
135 : 3,228,475
.2 : 3,253,806
.2 : 3,253,807
.21: 3,243,953
.21: 3,246,861
.22: 3,255,825
.22: 3,273,653
.23: 3,233,679
.23: 3,273,653
.24: 3,253,806
.24: 3,253,807
.24: 3,260,476
.24: 3,273,653
.25: 3,245,475
.25: 3,261,544
.4 : 3,228,479
.4 : 3,229,458
.4 : 3,237,850
.4 : 3,243,953
.4 : 3,290,883
.7 : 3,253,806
.7 : 3,253,807
.7 : 3,269,120
.7 : 3,286,470
.71: 3,228,479
.71: 3,259,195
.71: 3,273,654
.72: 3,261,405
.75: 3,253,474
.75: 3,254,725
.75: 3,282,032
136 : 3,270,805
149 : 3,233,547
151 : 3,295,609
154 : 3,241,618
159 : 3,228,475
3,228,476
3,228,482
3,229,931
3,229,935
3,245,476
3,248,082
3,249,327
3,255,827
3,273,833
3,275,295
3,282,352
3,285,502
3,289,924
3,292,710
160.1 : 3,249,161
.11: 3,231,220
.11: 3,254,725
.11: 3,259,098
.12: 3,246,864
.13: 3,228,629
.13: 3,246,862
.13: 3,249,161
.13: 3,254,725
.16: 3,273,653
.2 : 3,261,406
.23: 3,244,236
.23: 3,245,497
.23: 3,247,908
.23: 3,253,660
.24: 3,292,710
.25: 3,227,220
.25: 3,256,780
.25: 3,288,395
.26: 3,227,220
.26: 3,232,349
.26: 3,237,698
.26: 3,246,862
.26: 3,288,397
.27: 3,237,698
.27: 3,246,864
.27: 3,288,397
.31: 3,241,618
.31: 3,260,313
.32: 3,249,159
.32: 3,261,406
.32: 3,269,121
.32: 3,273,653
.33: 3,292,710
.34: 3,249,159
.34: 3,253,659
.37: 3,253,659
.4 : 3,253,659
.43: 3,266,454
.43: 3,273,653
.43: 3,275,198
.44: 3,291,086
.45: 3,288,228
.46: 3,247,908
.47: 3,232,350
.47: 3,262,502
.47: 3,282,351
.48: 3,253,660
.48: 3,282,351
.49: 3,229,772
.5 : 3,227,221
160.5 : 3,233,678
.5 : 3,237,918
.5 : 3,256,938
.5 : 3,256,939
.5 : 3,265,136
.5 : 3,289,924
.5 : 3,292,710
.51: 3,227,221
.51: 3,228,477
.51: 3,231,222
.51: 3,233,679
.51: 3,237,918
.51: 3,254,725
.51: 3,260,311
.51: 3,273,656
.51: 3,275,083
.52: 3,255,826
.52: 3,288,395
.53: 3,228,479
.53: 3,231,023
.53: 3,254,724
.53: 3,261,407
.53: 3,282,350
.54: 3,240,517
.54: 3,251,307
.54: 3,288,226
.54: 3,295,610
.55: 3,265,136
.55: 3,288,226
.55: 3,292,711
.55: 3,292,712
.56: 3,232,348
.56: 3,232,349
.56: 3,237,698
.57: 3,232,348
.57: 3,232,349
.57: 3,255,826
.57: 3,260,313
.58: 3,229,931
.58: 3,237,698
.58: 3,254,724
.58: 3,255,827
.58: 3,288,395
.6 : 3,255,827
165 : 3,246,698
166 : 3,228,476
3,248,081
3,273,654
168 : 3,246,698
3,258,245
3,279,751
3,295,608
169 : 3,258,245
3,282,032
170 : 3,275,082
3,282,032
173 : 3,231,022
3,232,186
3,233,678
3,253,661
3,256,939
3,262,502
3,266,578
177 : 3,253,661
3,289,770

Class 171

11 : 3,237,699
14 : 3,227,276
3,252,520
3,295,301
17 : 3,227,276
3,285,306
20 : 3,240,276
3,247,909
24 : 3,247,909
25 : 3,237,699
27 : 3,252,464
3,252,520
3,286,774
3,295,301
38 : 3,247,909
40 : 3,247,909
127 : 3,237,699
3,252,520
130 : 3,240,276
3,282,036
131 : 3,237,699
132 : 3,238,161
3,295,667
136 : 3,263,755
161 : 3,238,161

Class 172

1 : 3,231,025
3 : 3,236,322
3,251,422
4 : 3,256,940
5 : 3,287,835
7 : 3,233,680
3,236,322
3,241,862
7 : 3,269,464
12 : 3,247,654
16 : 3,231,024
3,285,348
17 : 3,285,348
19 : 3,245,159
22 : 3,264,877
3,273,930
24 : 3,241,302
26 : 3,235,009
3,295,233
28 : 3,246,458
33 : 3,266,846
3,272,559
38 : 3,233,681
40 : 3,226,858
3,238,646
3,250,390
3,251,628
3,256,695
3,269,039
3,271,079
3,272,559
3,286,534
3,287,922
44 : 3,288,480
3,295,480
45 : 3,229,984
3,232,255
3,261,151
3,263,836
47 : 3,229,451
3,247,812
3,261,117
50 : 3,233,684
55 : 3,231,025
71 : 3,262,504
75 : 3,229,452
3,247,654
79 : 3,226,853
3,237,700
90 : 3,245,477
96 : 3,253,393
3,253,394
3,253,395
103 : 3,229,774
3,233,471
106 : 3,229,774
3,239,015
108 : 3,233,683
3,233,684
117 : 3,247,812
3,271,079
119 : 3,236,312
3,282,353
121 : 3,229,773
122 : 3,236,312
123 : 3,263,756
3,282,353
124 : 3,233,684
3,262,504
125 : 3,232,352
3,232,353
3,233,685
3,233,686
3,283,830
136 : 3,260,003
159 : 3,227,226
168 : 3,246,407
172 : 3,277,802
177 : 3,247,911
227 : Re.26,129
234 : 3,228,483
239 : 3,286,476
240 : 3,261,118
3,264,667
246 : 3,245,478
248 : 3,235,013
3,238,647
3,241,861
3,241,862
3,243,200
3,261,118
251 : 3,238,648
254 : 3,235,013
3,257,745
3,265,137
265 : 3,279,104
272 : 3,231,294
3,233,350
3,241,861
3,292,949
275 : 3,237,795
3,255,903
3,260,386
3,266,817
276 : 3,226,860
3,252,716
3,260,003
3,289,332
277 : 3,272,559
285 : 3,266,181
300 : 3,265,137
305 : 3,261,150
306 : 3,250,064
310 : 3,240,005
3,240,508
311 : 3,292,948
313 : 3,269,749
314 : 3,239,014
316 : 3,233,682
3,266,181
3,279,822
317 : 3,274,712
3,274,713
328 : Re.26,129
3,292,714
374 : 3,232,351
378 : 3,258,903
388 : 3,237,324
393 : 3,246,458
3,276,153
3,237,702
413 : Re.26,129
3,246,700
3,247,605
3,266,846
3,269,464
3,292,714
417 : 3,228,484
421 : 3,228,484
3,236,313
430 : 3,233,349
3,234,671
3,245,477
431 : 3,229,452
435 : 3,288,523
438 : 3,231,025
3,266,846
439 : 3,231,294
3,255,828
3,268,011
440 : 3,265,137
445 : 3,229,451
3,258,075
446 : 3,243,907
447 : 3,234,669
3,241,862
448 : 3,234,669
3,289,771
449 : 3,228,179
3,235,286
3,247,910
3,252,521
3,295,611
450 : 3,250,524
451 : 3,229,451
3,260,003
3,275,341
454 : 3,265,137
456 : 3,262,254
3,267,656
3,288,480
459 : 3,295,611
476 : 3,242,995
477 : 3,232,358
3,265,137
481 : 3,274,712
3,274,713
483 : 3,295,612
484 : 3,235,013
3,242,995
3,266,181
491 : 3,242,995
3,261,409
3,266,230
3,274,712
3,274,713
497 : 3,238,647
500 : 3,237,577
3,237,702
501 : 3,266,230
3,274,712
3,274,713
506 : 3,266,230
507 : 3,239,015
3,266,180
3,292,282
508 : 3,260,537
519 : 3,252,522
532 : 3,276,571
535 : 3,261,643
536 : 3,245,478
538 : 3,252,522
543 : 3,253,393
3,253,394
3,261,153
544 : 3,246,704
551 : 3,247,911
3,271,079
552 : 3,232,255
554 : 3,233,684
3,277,802
555 : 3,237,577
556 : 3,233,686
3,266,643
558 : 3,228,485
566 : 3,261,411
574 : 3,244,237
577 : 3,275,087
582 : 3,275,087
583 : 3,275,087
588 : 3,243,945
596 : 3,292,714
600 : 3,235,013
3,275,087
611 : 3,276,153
612 : 3,263,755
619 : 3,266,579
620 : 3,255,831
625 : 3,240,005
633 : 3,260,315
634 : 3,232,357
635 : 3,235,013
642 : 3,227,226
643 : 3,245,479
3,260,315
646 : 3,227,226
650 : 3,227,226
657 : 3,227,226
3,237,702
3,266,579
3,283,426
666 : 3,271,079
677 : 3,237,701
3,239,014
3,275,341
678 : 3,237,324
679 : 3,239,015
3,243,945
3,286,476
680 : 3,261,409
683 : 3,247,605
691 : 3,246,407
698 : 3,245,159
3,281,972
699 : 3,231,025
3,231,026
3,295,612
701 : 3,252,522
703 : 3,286,379
711 : 3,279,869
719 : 3,259,087
3,268,012
3,281,972
3,289,331
730 : 3,289,772
735 : 3,271,080
740 : 3,244,237
3,268,012
747 : 3,286,379
750 : 3,292,280
3,292,281
752 : 3,292,562
753 : 3,235,013
762 : 3,256,622
763 : 3,233,683
3,235,013
3,239,015
3,246,407
3,252,522
776 : 3,239,015
3,252,249
3,266,180

Class 173

1 : 3,289,420
2 : 3,230,895
3,259,025
3,263,429
3,270,822
3,285,104
4 : 3,233,689
9 : 3,247,912
12 : 3,242,996
3,257,913
3,275,116
3,276,524
15 : 3,241,622
3,273,657
17 : 3,229,775
18 : 3,272,267
23 : 3,232,168
3,260,317
3,291,534
24 : 3,248,152
3,251,629
3,269,775
3,278,235
25 : 3,272,560
27 : 3,248,152
28 : 3,236,316
3,240,279
3,278,235
3,280,925
29 : 3,233,687
3,245,484
3,246,705
3,286,775
30 : 3,283,986
31 : 3,283,831
31 : 3,285,104
33 : 3,246,706
3,279,195
36 : 3,245,484
3,246,706
38 : 3,236,316
3,252,525
39 : 3,228,151
43 : 3,240,278
3,260,317
3,268,935
3,287,066
3,295,800
44 : 3,236,314
3,237,462
3,252,527
46 : 3,233,687
3,252,523
3,252,526
3,266,582
3,278,236
3,281,187
48 : 3,251,310
49 : 3,240,161
3,245,223
3,248,957
3,278,235
3,280,924
3,291,957
3,295,837
50 : 3,246,705
52 : 3,244,240
3,256,943
53 : 3,230,781
55 : 3,227,227
61 : 3,235,030
64 : 3,270,822
67 : 3,229,776
73 : Re.26,038
3,229,775
3,259,403
78 : Re.26,038
80 : Re.26,038
3,256,944
3,280,925
81 : 3,236,314
85 : 3,230,711
87 : 3,268,015
89 : 3,227,227
90 : 3,267,609
93 : 3,235,015
3,253,662
3,263,320
3,283,537
3,292,391
.6 : 3,270,593
.7 : 3,272,035
.7 : 3,273,428
95 : 3,259,196
96 : 3,231,028
97 : 3,269,466
103 : 3,227,230
3,287,066
105 : 3,230,711
3,231,032
3,232,176
109 : 3,256,944
3,269,466
3,270,821
110 : 3,231,028
112 : 3,231,032
3,280,925
115 : 3,256,946
116 : 3,250,334
3,250,335
3,256,944
3,263,429
3,269,466
118 : 3,243,093
3,287,066
119 : 3,244,241
3,251,629
3,268,014
3,270,821
121 : 3,263,429
3,268,013
3,285,104
123 : 3,251,629
3,256,946
3,259,196
3,268,014
3,286,776
124 : 3,244,241
3,268,013
125 : 3,241,239
127 : 3,263,429
130 : 3,243,190
131 : 3,237,406
3,283,832
132 : 3,241,326
3,242,997
3,279,016
133 : 3,250,334
3,286,558

134 : 3,231,032
3,270,375
137 : 3,229,776
3,255,832
3,266,581
138 : 3,266,581
139 : 3,242,997
3,244,241
3,253,663
3,266,581
3,273,469
3,292,976
140 : 3,228,487
145 : 3,277,968
146 : 3,232,362
147 : 3,238,022
3,246,705
3,288,229
148 : 3,236,315
3,288,229
150 : 3,293,543
151 : 3,240,278
152 : 3,268,015
159 : 3,266,580
160 : 3,244,240
3,247,913
162 : 3,232,362
3,237,406
3,255,832
3,263,575
3,270,822
163 : 3,257,877
3,266,582
3,295,262
164 : 3,280,920
3,282,356
165 : 3,232,359
3,236,315
169 : 3,236,157
3,245,483
170 : 3,241,622
3,263,429
3,275,089

Class 174

2 : 3,289,365
5 : 3,238,291
3,243,504
3,251,161
3,259,875
3,276,988
6 : 3,283,208
7 : 3,296,494
8 : 3,248,857
3,259,875
9 : 3,230,495
3,240,865
10 : 3,277,426
11 : 3,234,493
3,235,778
3,240,868
3,271,505
3,280,247
12 : 3,233,198
3,242,251
3,243,496
3,243,673
3,248,939
3,253,081
3,296,361
13 : 3,259,687
3,288,916
3,293,351
14 : 3,242,402
3,243,560
15 : 3,236,296
3,238,489
3,242,354
3,243,672
3,244,792
3,245,021
3,253,084
3,255,298
3,257,621
3,260,974
3,263,194
3,265,805
3,265,856
3,268,770
3,275,893
3,286,078
3,290,564
3,291,889
3,291,898
3,292,016
3,293,349
3,295,931
16 : 3,231,785
3,249,680
3,253,646
3,254,281
3,271,710
3,273,021
17 : 3,229,023
3,234,493
3,237,136
3,242,401
3,246,271
3,250,869
3,252,065
3,256,484
3,258,545
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3,230,020
3,251,634
229 : 3,244,459
234 : 3,266,835
235 : 3,268,017
236 : 3,266,835
3,292,717
238 : 3,241,624
239 : 3,241,623
243 : 3,283,823
245 : 3,285,354
3,292,717
246 : 3,241,624
3,266,835
251 : 3,270,824
255 : 3,270,824
257 : 3,227,230
3,228,200
262 : 3,232,360
267 : 3,232,670
3,285,666
3,285,667
3,288,532
3,289,760
3,290,097
269 : 3,254,720
3,295,604
273 : 3,235,016
280 : 3,280,416
285 : 3,232,670
3,280,416
3,285,666
3,285,667
3,295,604
286 : 3,285,665
291 : 3,236,320
294 : 3,248,129
298 : 3,236,318
3,247,754
302 : 3,233,690
3,251,426
305 : 3,247,754
306 : 3,227,230
310 : 3,232,361
311 : 3,231,029
313 : 3,273,930
315 : 3,252,523
3,282,356
3,286,775
317 : 3,236,319
318 : 3,275,080
319 : 3,235,311
3,237,704
3,251,425
3,285,349
3,285,351
320 : 3,232,362
3,232,638
3,233,690
3,237,427
3,248,129
3,257,827
3,259,198
3,263,446
3,265,091
3,267,695
3,273,932
3,274,798
321 : 3,254,508
3,255,612
3,265,135
3,281,166
3,283,823
3,288,245
322 : 3,230,740
3,246,919
323 : 3,226,855
325 : Re.26,120
3,231,029
3,235,017
3,277,972
3,283,823
331 : 3,231,030
335 : 3,288,532
337 : 3,268,018
339 : 3,236,319
341 : 3,285,349
343 : 3,231,033
3,285,349
344 : 3,231,033
365 : 3,269,469
369 : 3,239,431
372 : 3,244,459
374 : 3,250,337
376 : 3,239,431
379 : 3,251,425
380 : 3,231,030
381 : 3,282,629
383 : 3,251,425
3,271,080
389 : 3,227,230
389 : 3,231,032
3,289,776
391 : 3,280,927
3,288,532
392 : 3,235,018
3,280,927
393 : 3,290,097
394 : 3,226,855
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3,252,523
3,288,533
3,295,232
396 : 3,291,231
397 : 3,282,628
3,290,098
398 : 3,231,033
3,235,018
3,282,358
401 : 3,295,618
403 : 3,243,924
3,291,231
404 : 3,291,229
405 : 3,273,930
3,280,925
408 : 3,277,972
3,280,416
410 : 3,239,275
3,258,077
3,268,259
3,269,469
3,280,486
3,280,926
413 : 3,235,018
3,260,319
3,271,080
3,280,927
3,282,629
414 : 3,236,510
3,276,820
415 : 3,269,469
3,269,470
418 : 3,260,319
3,277,973
422 : 3,231,031
3,261,413
3,262,508

Class 176

1 : 3,257,283
3,260,869
2 : 3,243,348
3,252,047
3,258,402
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3 : 3,243,348
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5 : 3,230,145
7 : 3,230,418
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3,270,236
3,290,219
8 : 3,256,687
3,258,402
10 : 3,258,351
3,258,352
3,269,915
3,282,655
3,293,190
12 : 3,284,306
13 : 3,285,823
3,291,694
14 : 3,250,683
3,271,320
3,282,655
15 : 3,250,684
16 : 3,228,848
3,228,849
3,282,655
17 : 3,236,739
18 : 3,238,107
3,251,745
3,267,001
3,268,410
3,274,064
19 : 3,227,878
3,235,466
3,246,154
3,264,863
20 : 3,234,100
3,239,423
3,247,072
3,247,074
3,247,075
3,255,087
3,266,998
3,275,524
3,276,965
3,284,312
3,287,227
3,290,221
20 : 3,293,137
3,296,083
21 : 3,228,847
3,230,146
3,236,737
3,244,597
3,271,260
3,276,964
3,281,325
3,287,227
3,288,682
3,290,221
22 : 3,228,847
3,231,473
3,236,739
3,249,510
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3,284,307
3,284,312
3,287,225
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25 : 3,257,286
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26 : 3,261,755
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3,263,081
27 : 3,236,739
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28 : 3,276,964
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3,293,137
30 : 3,227,623
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3,284,313
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31 : 3,227,620
32 : 3,228,852
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33 : 3,236,739
3,240,676
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3,259,766
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34 : 3,259,766
35 : 3,249,510
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36 : 3,227,624
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3,261,611
3,261,760
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37 : 3,228,850
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3,240,555
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38 : 3,232,843
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3,251,747
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39 : 3,233,670
3,234,411
3,234,412
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39 : 3,251,745
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3,271,262
3,271,263
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3,280,001
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3,293,137
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41 : 3,228,848
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42 : 3,235,464
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43 : 3,238,105
44 : 3,243,353
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45 : 3,228,847
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46 : 3,264,190
47 : 3,250,683
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49 : 3,251,745
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50 : 3,236,737
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51 : 3,230,149
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52 : 3,227,619
3,230,149
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53 : 3,231,474
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54 : 3,228,846
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54 : 3,287,111
55 : 3,228,846
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56 : 3,231,474
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58 : 3,238,106
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59 : 3,227,620
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60 : 3,227,620
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3,296,082
61 : 3,228,847
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62 : 3,257,285
3,264,189
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3,284,306
3,284,308
3,287,228
3,290,220
63 : 3,248,298
3,262,856
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64 : 3,228,853
3,230,149
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65 : 3,228,848
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66 : 3,234,412
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67 : 3,230,151
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68 : 3,230,771
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3,275,522
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69 : 3,235,463
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70 : 3,258,333
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71 : 3,240,677
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72 : 3,238,105
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73 : 3,238,108
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3,274,068
3,275,522
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74 : 3,227,622
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3,274,071
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75 : 3,238,107
3,276,963
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76 : 3,228,853
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76 : 3,287,231
77 : 3,266,997
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78 : 3,227,621
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79 : 3,231,476
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3,238,108
3,239,426
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3,274,070
3,274,071
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80 : 3,235,466
81 : 3,228,853
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3,291,699
82 : 3,228,848
3,228,849
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3,230,150
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3,243,350
3,262,858
3,262,859
3,262,860
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3,284,314
3,288,636
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83 : 3,230,148
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3,292,317
3,293,139
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88 : 3,255,083
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89 : 3,228,848
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3,228,850
3,228,885
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3,238,140
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3,258,333
3,261,757
3,263,004
3,264,223
3,264,224
3,265,626
3,266,890
3,271,265
3,279,916
3,281,373
3,285,737
3,287,093
3,287,278
3,291,697
3,291,748
3,291,869
3,293,135
90 : 3,227,622
3,230,151
3,231,408
3,244,599
3,260,651
3,261,378
3,261,756
3,261,758
3,262,182
3,262,858
3,262,859
3,262,860
3,275,526
3,284,310
3,284,314
3,285,825
3,290,224
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3,291,870
91 : 3,230,150
3,231,408
3,243,350
3,247,008
3,249,509
3,252,868
3,252,869
3,252,866
3,260,466
3,261,757
3,262,858
3,270,236
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3,274,069
3,274,314
3,285,825
3,290,224
3,291,699
93 : 3,263,004
3,287,227
94 : 3,228,852
3,230,146
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3,267,003
3,276,963
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3,276,965
3,284,310
3,290,221
3,296,083
140 : 3,252,523

Class 177

1 : 3,249,204
3,263,760
3,268,020
3,291,233
2 : 3,244,243
3 : 3,262,639
3,268,020
3,276,525
4 : 3,276,526
5 : 3,280,471
3,291,232
12 : 3,276,525
3,276,526
13 : 3,247,915
3,291,232
15 : 3,291,235
16 : 3,247,918
3,278,747
3,281,070
17 : 3,227,231
3,291,232
25 : 3,283,838
3,284,627
34 : 3,279,551
41 : 3,228,488
45 : 3,237,707
3,269,473
48 : 3,263,759
3,265,140
52 : 3,265,140
59 : 3,227,231
3,249,204
3,256,948
60 : 3,274,377
3,293,003
62 : 3,227,231
68 : 3,228,397
3,238,916
3,279,548
70 : 3,232,296
3,252,530
3,254,728
3,260,320
3,262,509
3,269,473
80 : 3,247,916
3,252,530
3,256,861
3,260,320
81 : 3,252,531
3,263,760
94 : 3,234,791
3,243,999
102 : 3,243,999
104 : 3,228,660
105 : 3,250,338
107 : 3,236,321
108 : 3,291,233
110 : 3,227,231
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111 : 3,254,729
114 : 3,250,338
116 : 3,254,729
3,263,760
119 : 3,227,232
3,263,759
120 : 3,240,146
3,250,338
3,261,416
3,291,233
3,295,500
121 : 3,265,140
122 : 3,254,728
3,291,233
123 : 3,261,415
132 : 3,269,472
3,270,893
3,279,548
133 : 3,258,078
3,272,269
134 : 3,266,585
3,276,525
135 : 3,270,825
136 : 3,272,269
136 : 3,283,838
138 : 3,291,234
141 : 3,229,778
3,231,035
3,239,238
3,291,234
144 : 3,248,911
3,279,549
145 : 3,247,918
3,258,164
147 : 3,244,243
3,251,590
3,290,931
149 : 3,258,161
151 : 3,239,018
3,258,300
3,263,497
152 : 3,288,177
154 : 3,263,759
157 : 3,249,163
3,270,558
161 : 3,252,532
163 : 3,276,525
165 : 3,262,509
166 : 3,228,488
3,238,916
3,266,583
167 : 3,262,509
169 : 3,250,339
173 : 3,237,707
3,266,583
174 : 3,238,916
176 : 3,279,548
178 : 3,229,778
3,230,922
184 : 3,229,779
3,252,531
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3,269,474
189 : 3,265,140
3,288,231
190 : 3,240,281
195 : 3,252,531
196 : 3,249,164
199 : 3,266,584
205 : 3,229,779
3,260,321
207 : 3,246,524
3,280,327
208 : 3,252,532
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3,273,470
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209 : 3,229,778
210 : 3,243,163
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3,246,506
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3,247,916
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3,259,199
3,260,320
3,263,759
3,265,140
3,269,472
3,269,473
3,276,525
3,279,550
211 : 3,227,231
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3,247,918
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3,256,948
3,261,415
3,263,496
3,263,761
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3,266,585
3,275,934
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3,284,627
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3,295,368
212 : Re.26,100
3,282,115
219 : 3,240,146
3,260,321
225 : 3,251,590
229 : 3,240,281
3,266,586
3,288,231
230 : 3,227,233
3,269,472
3,282,115
231 : 3,243,163
232 : 3,266,175
234 : 3,227,233
3,243,902
3,268,019
237 : 3,291,235
238 : 3,229,780

Class 177—Con.

239 : 3,243,002
3,270,825
241 : 3,279,549
243 : 3,243,163
244 : 3,229,780
3,243,002
245 : 3,276,527
3,282,115
3,282,116
246 : 3,227,233
3,246,512
3,256,948
248 : 3,229,779
252 : 3,232,365
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253 : 3,266,584
254 : 3,252,532
3,261,203
3,261,417
3,263,762
3,273,470
262 : 3,279,549
264 : 3,281,975

Class 178

2 : 3,243,592
3,268,866
3,274,554
3 : RE.26,099
3,255,313
3,281,789
4.1 : RE.26,099
.1 : 3,245,038
.1 : 3,245,043
5 : 3,229,034
3,239,601
3,240,871
3,261,911
3,293,653
.1 : 3,231,818
.1 : 3,238,297
.1 : 3,244,809
.1 : 3,249,689
.1 : 3,255,306
.1 : 3,268,815
.1 : 3,278,677
.1 : 3,281,695
.1 : 3,288,922
.2 : 3,229,089
.2 : 3,231,746
.2 : 3,242,260
.2 : 3,247,815
.2 : 3,247,816
.2 : 3,255,305
.2 : 3,258,525
.2 : 3,281,528
.2 : 3,287,492
.2 : 3,288,925
.2 : 3,290,431
.2 : 3,291,901
.4 : RE.26,035
.4 : 3,238,463
.4 : 3,239,606
.4 : 3,243,625
.4 : 3,247,755
.4 : 3,255,303
.4 : 3,262,007
.4 : 3,263,120
.4 : 3,267,207
.4 : 3,267,208
.4 : 3,267,283
.4 : 3,268,663
.4 : 3,270,613
.4 : 3,271,512
.4 : 3,271,610
.4 : 3,274,517
.4 : 3,275,742
.4 : 3,275,743
.4 : 3,276,008
.4 : 3,278,675
.4 : 3,280,249
.4 : 3,280,358
.4 : 3,286,024
.4 : 3,290,432
.6 : 3,233,039
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3,251,595
3,257,964
3,261,177
3,265,329
3,266,233
3,266,757
3,266,848
3,267,882
3,267,898
3,269,740
3,273,727
3,275,266
3,275,270
3,275,379
3,276,222
3,276,392
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3,279,416
3,281,963
3,282,051
3,283,355
3,285,537
3,289,977
3,295,608
3,295,700
9.2 : 3,262,522
.2 : 3,280,934
.22: 3,231,036
.22: 3,292,722
.24: 3,231,036
.24: 3,252,533
.24: 3,288,234
.3 : 3,231,036
.3 : 3,276,531
.3 : 3,288,234
.3 : 3,292,722
.32: 3,276,531
.38: 3,295,622
.4 : 3,266,816
.4 : 3,285,626
.44: 3,257,917
.48: 3,231,036
.48: 3,292,722
.52: 3,246,405
.52: 3,288,234
.54: 3,285,626
.64: 3,241,889
.64: 3,276,823
10 : 3,265,147
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11 : 3,276,532
12 : 3,247,991
3,262,513
3,263,767
3,269,740
3,280,931
13 : 3,249,170
14 : 3,249,169
3,254,900
3,261,421
3,263,766
14 : 3,263,767
3,279,215
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15 : 3,239,277
19 : 3,256,681
3,269,475
3,281,186
3,281,186
20 : 3,249,027
21 : 3,237,885
3,260,324
3,295,700
22 : 3,244,385
3,254,735
3,257,124
3,276,823
3,286,657
23 : 3,230,694
3,254,730
26 : 3,231,109
3,232,189
3,245,608
3,266,337
3,295,881
27 : 3,243,061
3,281,186
3,290,005
29 : 3,237,885
3,262,513
30 : 3,263,764
31 : 3,243,006
32 : 3,243,006
3,252,537
33 : 3,280,932
41 : 3,231,036
3,233,909
3,236,535
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3,254,738
3,268,237
3,289,779
42 : 3,232,005
3,237,962
3,280,931
43 : 3,255,840
3,268,058
3,275,379
3,276,222
3,276,392
3,276,738
3,279,416
3,281,963
3,282,051
3,283,355
3,285,537
3,289,977
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3,295,700
3,283,840
54 : 3,232,633
3,232,660
3,235,021
3,236,324
3,254,734
3,254,735
3,254,900
3,261,422
3,263,767
3,269,479
3,276,528
3,282,366
64 : 3,232,384
3,260,130
65 : 3,229,830
3,241,019
3,244,117
3,262,513
3,265,147
3,268,058
3,280,931
3,289,780
3,295,881
66 : 3,234,856
3,236,187
3,236,324
3,241,319
3,243,959
3,250,340
3,256,950
3,261,421
3,262,513
3,265,147
3,270,546
3,276,528
66 : 3,290,005
3,292,723
68 : 3,248,076
3,282,368
.5 : 3,248,268
.5 : 3,284,153
69 : 3,266,590
3,274,638
70 : 3,235,021
3,242,694
3,246,715
3,250,142
3,250,341
3,254,730
3,258,081
3,266,590
3,269,479
3,283,485
3,292,389
3,295,801
72 : 3,239,021
73 : 3,231,291
3,233,914
3,250,546
3,254,902
3,284,095
74 : 3,275,091
3,282,364
75 : 3,227,003
3,228,312
3,235,021
3,244,117
3,249,027
3,251,630
3,255,840
3,265,147
3,266,590
3,270,826
3,270,830
3,282,365
3,291,244
76 : 3,253,672
77 : 3,229,792
3,233,765
3,235,024
3,235,042
3,240,371
3,245,493
3,247,740
3,250,264
3,253,669
3,254,900
3,257,013
3,264,896
3,266,589
3,268,058
3,271,045
78 : 3,227,252
3,237,709
3,248,965
3,276,287
3,285,090
79 : 3,229,660
3,247,923
3,286,548
3,286,928
.1 : 3,229,992
.1 : 3,239,963
.1 : 3,252,247
.1 : 3,268,058
.1 : 3,286,397
.2 : 3,227,237
.2 : 3,232,633
.2 : 3,233,408
.2 : 3,240,284
.2 : 3,246,472
.2 : 3,250,340
.2 : 3,252,605
.2 : 3,253,671
.2 : 3,255,840
.2 : 3,265,146
.2 : 3,268,024
.2 : 3,273,465
.2 : 3,278,239
.2 : 3,280,557
82 : 3,226,998
3,227,998
3,229,109
3,233,153
3,235,024
3,240,510
3,241,019
3,243,537
3,246,140
3,250,142
3,251,033
3,255,834
3,256,033
3,266,032
3,266,842
3,270,199
3,275,975
3,280,933
82 : 3,281,818
3,284,122
3,286,055
3,293,600
.1 : 3,229,546
.1 : 3,231,003
.1 : 3,239,963
.1 : 3,240,510
.1 : 3,247,740
.1 : 3,251,312
.1 : 3,263,625
.1 : 3,268,724
.1 : 3,283,166
.1 : 3,287,007
.2 : 3,231,880
.2 : 3,279,227
.4 : 3,229,452
83 : 3,269,783
85 : 3,243,008
3,252,538
3,276,532
89 : 3,232,660
3,237,966
3,254,900
3,280,931
3,288,237
90 : 3,248,965
3,269,210
3,287,980
.6 : 3,285,093
.6 : 3,288,239
648 : 3,234,856

Class 181

.5 : 3,227,944
.5 : 3,227,997
.5 : 3,229,429
.5 : 3,229,509
.5 : 3,230,541
.5 : 3,232,120
.5 : 3,233,674
.5 : 3,234,502
.5 : 3,237,151
.5 : 3,237,153
.5 : 3,238,499
.5 : 3,238,871
.5 : 3,239,800
.5 : 3,239,802
.5 : 3,239,803
.5 : 3,240,674
.5 : 3,240,930
.5 : 3,241,101
.5 : 3,241,102
.5 : 3,242,326
.5 : 3,243,695
.5 : 3,243,766
.5 : 3,243,770
.5 : 3,243,771
.5 : 3,244,099
.5 : 3,246,286
.5 : 3,246,290
.5 : 3,247,481
.5 : 3,251,027
.5 : 3,251,029
.5 : 3,251,221
.5 : 3,252,129
.5 : 3,252,130
.5 : 3,252,131
.5 : 3,252,225
.5 : 3,252,335
.5 : 3,252,336
.5 : 3,254,424
.5 : 3,254,835
.5 : 3,256,501
.5 : 3,257,639
.5 : 3,258,737
.5 : 3,258,741
.5 : 3,259,205
.5 : 3,259,878
.5 : 3,259,880
.5 : 3,260,990
.5 : 3,260,992
.5 : 3,260,993
.5 : 3,262,074
.5 : 3,263,208
.5 : 3,263,608
.5 : 3,264,606
.5 : 3,264,864
.5 : 3,266,012
.5 : 3,267,415
.5 : 3,267,423
.5 : 3,268,856
.5 : 3,268,857
.5 : 3,268,858
.5 : 3,268,859
.5 : 3,268,861
.5 : 3,270,316
.5 : 3,271,732
.5 : 3,271,733
.5 : 3,274,542
.5 : 3,274,543
.5 : 3,274,544
.5 : 3,274,608

Class 181—Con.

.5 : 3,275,977
.5 : 3,275,983
.5 : 3,276,366
.5 : 3,278,893
.5 : 3,281,269
.5 : 3,281,764
.5 : 3,281,767
.5 : 3,281,768
.5 : 3,281,769
.5 : 3,281,773
.5 : 3,281,948
.5 : 3,283,294
.5 : 3,283,295
.5 : 3,284,760
.5 : 3,284,763
.5 : 3,284,769
.5 : 3,285,517
.5 : 3,286,225
.5 : 3,286,226
.5 : 3,286,228
.5 : 3,289,154
.5 : 3,289,156
.5 : 3,289,157
.5 : 3,289,583
.5 : 3,290,592
.5 : 3,292,109
.5 : 3,292,140
.5 : 3,292,141
.5 : 3,292,143
.5 : 3,292,146
.5 : 3,293,557
.5 : 3,293,598
.5 : 3,296,582
.5 : 3,296,586
.5 : 3,296,587
.5 : 3,296,589
5 : 3,290,644
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23 : 3,249,873
3,259,128
3,286,782
24 : D205,072
3,247,324
26 : 3,243,525
3,286,782
27 : 3,249,873
3,276,538
3,292,571
31 : 3,230,319
3,239,029
3,240,883
3,251,954
3,260,990
3,266,592
3,268,229
3,275,758
.1 : 3,291,251
.1 : 3,292,931
32 : 3,247,925
3,253,970
3,261,927
3,275,100
3,285,364
33 : 3,232,032
3,239,973
3,242,972
3,243,340
3,243,374
3,253,947
3,254,484
3,263,771
3,265,547
3,271,188
3,273,670
3,276,537
3,280,505
3,287,869
3,295,541
3,296,582
35 : 3,226,917
3,243,125
36 : 3,235,030
3,249,172
3,273,596
3,288,357
3,292,733
38 : 3,282,373
39 : 3,285,277
40 : 3,227,241
3,233,697
3,292,731
42 : 3,255,480
43 : 3,263,931
44 : 3,243,010
3,273,666
46 : 3,255,844
3,263,654
47 : 3,237,451
3,255,844
.1 : 3,273,596
48 : 3,242,558
48 : 3,275,238
50 : 3,286,787
51 : 3,232,373
3,286,786
3,287,900
52 : 3,262,516
3,282,373
3,291,252
53 : 3,243,010
3,270,835
3,286,786
3,286,787
3,290,121
3,292,732
54 : 3,232,374
3,243,012
3,248,791
3,283,847
55 : 3,233,697
3,243,010
3,253,676
3,286,786
3,286,787
56 : 3,227,242
3,251,434
3,262,516
3,276,108
3,276,539
3,292,731
57 : 3,237,451
3,250,342
3,253,676
58 : 3,235,030
3,279,560
60 : 3,263,770
3,270,834
61 : 3,233,698
3,244,254
3,248,791
3,259,149
3,259,206
3,262,516
3,273,666
3,276,108
3,276,540
3,276,541
3,289,785
3,289,786
3,292,662
62 : 3,227,241
3,227,242
3,276,540
3,280,903
63 : 3,232,374
3,259,206
3,262,516
3,263,772
64 : 3,254,484
67 : 3,244,254
3,276,539
69 : 3,227,241
3,227,242
3,232,373
3,273,666
70 : 3,292,731
71 : 3,233,697
3,270,834
72 : 3,276,539
3,290,121

Class 182

2 : 3,227,296
3,231,044
3,243,123
3,250,343
3,252,543
3,258,084
3,271,043
3,283,831
3,286,855
3,291,256
3,295,633
3 : 3,258,788
3,270,441
4 : 3,277,855
5 : 3,250,515
15 : 3,245,363
16 : 3,232,375
3,256,954
17 : 3,232,377
18 : 3,228,659
20 : 3,282,375
37 : 3,255,845
39 : 3,283,851
41 : 3,295,269
45 : 3,237,717
48 : 3,262,518
51 : 3,243,123
3,253,677
63 : 3,236,329
3,258,084
3,259,208
63 : 3,273,574
3,273,667
3,289,684
77 : 3,259,207
82 : 3,237,717
3,270,997
86 : 3,289,789
88 : 3,229,993
92 : 3,259,209
3,268,031
95 : 3,263,773
97 : 3,291,255
106 : 3,263,773
3,285,367
3,288,248
107 : 3,266,593
113 : 3,231,043
3,232,376
3,270,997
3,282,377
116 : 3,282,375
117 : 3,266,593
118 : 3,232,375
3,236,331
3,250,344
3,256,954
119 : 3,282,376
124 : 3,259,426
3,269,485
127 : 3,232,375
3,244,433
3,249,367
128 : 3,241,634
129 : 3,229,943
3,232,376
3,241,633
3,265,156
3,283,850
3,285,365
3,295,632
130 : 3,256,955
131 : 3,255,845
3,265,156
3,273,667
3,274,629
132 : 3,280,939
138 : 3,250,065
139 : 3,233,895
141 : 3,228,659
3,232,377
3,256,956
3,257,032
3,258,084
3,259,208
3,259,369
3,273,574
3,282,376
3,283,850
3,285,365
142 : 3,260,522
3,282,378
144 : 3,237,718
145 : 3,280,939
148 : 3,229,788
3,236,329
3,255,845
3,273,574
3,282,374
150 : 3,292,734
151 : 3,241,633
152 : 3,231,043
3,235,038
3,250,344
3,265,155
3,266,503
3,276,542
157 : 3,265,155
161 : 3,259,207
163 : 3,282,375
178 : 3,245,188
3,256,956
179 : 3,245,495
3,256,955
3,258,821
3,266,208
184 : 3,276,545
185 : 3,233,701
186 : 3,241,633
3,282,379
187 : 3,232,664
3,241,734
189 : 3,285,366
194 : 3,283,402
200 : 3,292,735
204 : 3,282,376
207 : 3,288,248
214 : 3,266,593
3,268,196
3,282,375
218 : 3,228,355
222 : 3,236,331
3,282,377
223 : 3,228,355
223 : 3,250,344
3,250,345
3,265,156
3,282,378
3,289,788
224 : 3,256,021
228 : 3,232,378
3,259,209
3,265,155
3,268,031
3,279,051
3,283,402
3,295,632
230 : 3,258,779

Class 184

1 : 3,228,735
3,234,758
3,260,162
3,261,542
3,271,086
3,280,941
3,286,792
3,288,473
3,288,496
3,289,953
.5 : 3,236,268
3 : 3,229,787
5 : 3,260,162
6 : 3,227,002
3,227,146
3,230,796
3,231,182
3,231,317
3,236,218
3,240,137
3,246,528
3,250,082
3,251,350
3,257,235
3,265,052
3,267,918
3,273,547
3,273,548
3,280,807
3,280,835
3,282,287
3,283,905
3,285,566
3,289,657
3,295,507
3,296,450
7 : 3,231,046
3,261,502
3,286,791
15 : 3,263,075
3,268,032
3,275,102
3,280,941
18 : 3,232,379
3,254,377
3,268,039
26 : 3,227,002
3,286,790
27 : 3,244,459
3,251,634
3,263,609
29 : 3,243,103
3,270,836
35 : 3,253,678
36 : 3,276,677
37 : 3,280,747
39 : 3,230,019
3,279,561
3,280,835
40 : 3,279,561
43 : 3,285,004
45 : 3,242,695
55 : 3,241,700
3,244,375
3,253,788
3,270,836
56 : 3,245,621
61 : 3,277,746
64 : 3,229,787
70 : 3,257,235
3,285,004
84 : 3,230,020
96 : 3,267,451
103 : 3,241,746
104 : 3,286,791
3,292,373
105 : 3,229,678
3,246,665
3,268,032
106 : 3,249,954
3,284,273

Class 185

7 : 3,261,160
29 : 3,250,140
29 : 3,258,979
33 : 3,261,160
36.5 : 3,293,501
37 : 3,232,196
3,234,604
3,250,265
3,254,186
3,258,111
3,264,779
3,280,550
3,291,474
38 : 3,228,289
3,242,275
3,279,653
39 : 3,241,169
3,270,985
3,288,126
40 : 3,234,804
3,249,991
3,267,659
3,276,199
3,289,790
45 : 3,238,712
3,275,760

Class 186

1 : 3,237,933
3,241,709
3,244,304
3,247,988
3,257,004
3,262,584
3,265,186
3,270,485
3 : 3,260,349

Class 187

1 : 3,258,885
3,281,122
3 : 3,237,789
3,239,031
7 : 3,255,893
8.49: 3,232,448
.52: 3,229,788
.52: 3,233,767
.56: 3,270,898
.59: 3,235,106
.59: 3,291,260
.61: 3,276,547
.65: 3,279,562
.67: 3,250,346
.67: 3,271,006
.71: 3,282,566
.72: 3,260,377
9 : 3,229,830
3,240,371
3,240,372
3,268,918
3,269,561
3,273,665
3,289,869
3,289,870
3,289,872
11 : 3,229,788
3,284,052
12 : 3,229,788
3,253,692
3,270,898
17 : 3,231,158
3,246,777
3,292,500
18 : 3,228,659
3,237,921
3,246,876
3,259,369
19 : 3,232,455
3,283,744
20 : 3,261,589
26 : 3,275,170
27 : 3,229,328
29 : 3,233,215
3,244,957
3,250,972
3,251,990
3,285,437
31 : 3,260,330
38 : 3,276,747
42 : 3,231,158
54 : 3,260,330
67 : 3,262,518
73 : 3,239,031
74 : 3,252,547
3,274,756
80 : 3,244,258
84 : 3,282,449
85 : 3,276,984
88 : 3,250,402
3,273,671
89 : 3,250,348
94 : 3,279,762
95 : 3,252,547
95 : 3,281,122
3,282,356

Class 188

1 : 3,227,976
3,229,930
3,230,295
3,234,727
3,237,741
3,238,558
3,240,676
3,245,177
3,245,508
3,247,623
3,249,321
3,250,508
3,251,076
3,260,551
3,262,661
3,265,163
3,265,345
3,267,900
3,270,839
3,284,122
3,286,799
3,288,419
3,292,746
3,295,798
2 : 3,237,940
3,240,293
3,279,567
3 : 3,243,201
3,269,750
5 : 3,232,633
3,253,665
16 : 3,239,034
3,250,146
19 : 3,276,550
3,295,861
20 : 3,248,125
3,252,713
3,279,754
26 : 3,252,552
29 : 3,237,940
3,271,044
3,279,567
3,283,851
3,295,861
32 : 3,233,761
3,295,255
33 : 3,258,991
38 : 3,240,291
41 : 3,292,743
42 : 3,247,933
3,252,429
3,263,778
43 : 3,263,778
3,284,911
44 : 3,277,738
52 : 3,252,549
3,286,798
56 : 3,253,682
65.1 : 3,236,118
.1 : 3,237,780
.1 : 3,245,594
.1 : 3,286,274
.4 : 3,250,515
.4 : 3,260,328
67 : 3,230,595
3,230,714
3,236,118
3,237,726
3,240,676
3,246,868
3,250,402
3,253,854
3,276,816
3,286,803
68 : 3,248,125
69 : 3,234,727
3,235,044
3,242,758
3,245,287
3,276,191
3,285,378
70 : 3,227,985
3,228,177
71 : 3,257,634
72 : 3,233,704
3,237,724
3,237,730
3,237,738
3,240,296
3,243,017
3,244,260
3,255,851
3,266,602
3,269,490
3,269,491
3,277,983
3,285,370
3,292,739
72 : 3,292,740
3,295,621
73 : RE.26,106
3,237,732
3,239,032
3,280,933
3,295,647
74 : 3,228,177
3,237,741
3,239,873
3,241,164
3,250,347
3,265,165
3,271,044
3,276,787
3,288,255
3,289,137
75 : 3,292,742
76 : 3,259,020
3,295,636
77 : 3,230,712
3,246,724
3,246,868
3,290,871
3,295,780
78 : 3,232,391
3,236,119
3,245,501
3,269,493
3,269,494
3,279,568
3,279,569
3,279,570
3,292,741
3,295,638
79 : 3,265,164
3,292,745
.5 : 3,232,388
.5 : 3,232,392
.5 : 3,233,705
.5 : 3,237,730
.5 : 3,243,018
.5 : 3,246,723
.5 : 3,249,182
.5 : 3,255,847
.5 : 3,261,433
.5 : 3,261,434
.5 : 3,266,602
.5 : 3,269,490
.5 : 3,277,981
82.3 : 3,233,478
.5 : 3,276,553
.5 : 3,291,452
.6 : 3,270,845
.7 : 3,252,666
.7 : 3,271,010
.7 : 3,281,043
.7 : 3,288,254
.8 : 3,270,975
.84: 3,247,935
.84: 3,269,199
.9 : 3,262,524
83 : 3,257,965
3,268,039
3,273,755
3,273,911
3,275,109
3,289,137
85 : 3,227,465
87 : 3,228,632
3,250,065
3,250,335
3,251,076
3,273,876
88 : 3,229,971
3,235,221
3,246,905
3,256,006
3,256,960
3,260,515
3,260,536
3,264,899
3,275,145
3,275,277
3,277,791
3,286,797
3,287,758
3,292,919
90 : 3,227,254
3,231,239
3,241,642
3,251,443
3,259,213
3,263,783
3,291,155
3,291,268
91 : 3,265,358
3,290,958
92 : 3,245,510
3,255,981
3,258,093
93 : 3,285,536
96 : 3,228,672

96 : 3,229,971
3,232,390
3,236,515
3,237,726
3,256,960
3,256,961
3,265,163
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.21: 3,228,632
97 : 3,266,603
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99 : 3,234,923
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3,231,255
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3,285,596
3,287,008
101 : 3,232,596
3,244,382
3,251,270
103 : 3,266,600
105 : 3,291,451
106 : 3,232,391
3,233,705
3,236,338
3,237,724
3,242,760
3,244,260
3,255,848
3,258,090
3,270,840
3,276,551
3,292,741
3,292,745
107 : 3,240,291
3,253,680
3,280,944
109 : 3,259,203
3,280,933
110 : 3,268,036
112 : 3,271,085
3,288,240
129 : 3,232,597
3,270,193
3,283,857
130 : 3,232,597
3,273,911
134 : 3,276,553
3,285,377
136 : 3,283,851
3,283,860
137 : 3,237,729
3,259,215
138 : 3,244,944
141 : 3,291,264
151 : 3,232,175
3,237,410
152 : 3,228,194
3,229,467
3,229,789
3,232,058
3,232,388
3,233,705
3,237,411
3,237,412
3,240,294
3,243,018
3,243,201
3,245,499
3,245,500
3,245,726
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3,246,724
3,248,883
3,249,181
3,250,575
3,251,436
3,253,854
3,261,432
3,263,428
3,265,175
3,267,663
3,278,240
3,284,143
3,292,371
3,295,636
3,295,637
153 : 3,227,053
3,252,549
3,253,680
3,280,944
3,280,945
3,288,253
158 : 3,237,741
3,240,306
3,253,672
3,281,598
161 : 3,236,043
3,244,259
3,261,431
3,270,265
162 : 3,235,045
163 : 3,249,184
3,251,441
164 : 3,232,385
3,251,444
166 : 3,228,177
3,233,706
3,237,741
3,238,558
3,246,868
3,292,742
3,295,621
167 : 3,269,745
168 : 3,292,743
170 : 3,230,714
3,243,018
3,244,405
3,260,331
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3,276,551
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171 : 3,247,930
3,250,402
3,263,778
3,265,165
3,267,703
177 : 3,244,251
182 : 3,275,037
184 : 3,271,005
188 : 3,237,729
3,273,671
189 : 3,276,747
3,292,744
195 : 3,261,435
3,266,601
196 : RE.26,078
RE.26,106
3,227,247
3,232,387
3,232,389
3,233,705
3,236,336
3,237,725
3,240,301
3,241,638
3,243,016
3,243,017
3,243,026
3,245,507
3,249,182
3,249,183
3,253,682
3,255,846
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3,265,161
3,266,601
3,266,602
3,269,490
3,269,491
3,279,565
3,279,566
3,280,945
3,285,370
3,286,795
3,289,797
3,292,739
3,292,740
3,295,636
3,295,637
198 : 3,286,803
202 : 3,275,104
3,277,984
3,283,861
3,285,375
203 : 3,266,601
204 : 3,244,404
3,262,480
205 : 3,256,959
206 : 3,232,391
3,255,849
3,273,677
3,283,858
3,289,793
3,237,983
216 : 3,277,981
218 : 3,231,058
3,233,704
3,263,315
231 : 3,227,491
233.3 : 3,252,549
241 : 3,257,148
242 : 3,235,952
250 : 3,265,167
3,269,976
3,277,985
3,295,642
251 : 3,243,019
3,261,440
3,269,489
255 : 3,239,319
264 : 3,229,789
3,231,058
3,233,704
3,261,440
3,274,904
3,289,797
3,295,640
265 : 3,234,813
3,254,919

Class 189

15.5 : 3,235,038
28 : 3,230,626
31.4 : 3,236,054
34 : 3,227,062
3,228,646
3,229,824
3,229,935
3,230,931
3,232,395
3,232,571
3,234,489
3,234,987
3,235,029
3,239,081
3,240,445
3,243,132
3,246,349
3,279,973
35 : 3,228,329
3,229,335
3,231,053
3,233,297
3,244,248
3,277,622
3,279,795
36 : 3,226,897
3,228,158
3,228,335
3,229,335
3,229,386
3,229,431
3,230,587
3,230,652
3,230,684
3,230,879
3,231,053
3,232,021
3,232,162
3,235,917
3,235,989
3,236,935
3,237,779
3,238,679
3,239,974
3,240,298
3,240,862
3,241,271
3,242,628
3,243,245
3,244,290
3,244,406
3,245,143
3,246,072
3,246,890
3,246,918
3,273,921
3,274,680
3,274,739
3,275,055
3,275,351
3,275,394
3,276,181
3,276,401
3,278,209
3,289,341
3,289,360
3,292,332
.5 : 3,236,610
.5 : 3,237,037
.5 : 3,243,072
.5 : 3,243,635
.5 : 3,244,000
.5 : 3,247,313
.5 : 3,284,174
37 : 3,232,394
3,237,983
38 : 3,243,353
42 : 3,232,394
45 : 3,230,859
46 : 3,238,897
3,239,891
49 : 3,236,935
50 : 3,276,396
54 : 3,232,205
62 : 3,236,171
3,286,732
63 : 3,260,026
64 : 3,226,779
3,233,937
65 : 3,229,332
72 : 3,240,258
75 : 3,235,039
3,238,679
3,246,441
3,276,174
76 : 3,226,897
3,241,283
88 : 3,230,592
3,230,652
3,238,835
92 : 3,233,415
360 : 3,295,902

Class 190

2 : 3,250,449
8 : 3,250,449
3,258,091
11 : 3,232,397
12 : 3,251,637
16 : 3,245,411
18 : 3,236,538
3,257,120
20 : 3,236,538
30 : 3,265,182
41 : 3,273,678
3,275,106
3,292,252
43 : 3,228,738
3,244,467
3,291,266
44 : 3,256,919
3,280,871
3,292,747
48 : 3,292,747
49 : 3,234,985
3,266,604
51 : 3,244,261
3,245,448
3,258,091
3,273,678
3,281,883
3,292,747
53 : 3,256,919
3,295,643
55 : 3,259,217
3,289,985
57 : 3,231,056
3,244,261
3,275,336
3,295,645

Class 191

1 : 3,290,626
10 : 3,293,581
12 : 3,227,802
3,231,850
3,233,364
3,233,850
3,246,075
3,253,083
3,259,992
3,287,642
.2 : 3,257,497
.4 : 3,227,802
23 : 3,280,245
3,288,911
40 : 3,296,388
45 : 3,241,263
3,252,248
49 : 3,286,656
59.1 : 3,263,364
60 : 3,241,263
.1 : 3,231,689
63.3 : 3,263,364

Class 192

.02: 3,246,727
.02: 3,247,939
.02: 3,258,985
.02: 3,270,728
.023 3,237,404
.032 3,251,439
.033 3,239,038
.042 3,295,664
.049 3,243,021
.052 3,239,038
.052 3,251,439
.055 3,273,679
.075 3,237,734
.076 3,237,734
.076 3,239,038
.076 3,273,679
.084 3,246,727
.084 3,253,772
.084 3,253,773
.084 3,253,774
.096 3,275,116
.096 3,288,258
.096 3,290,957
.098 3,251,439
1 : 3,228,177
3,253,143
2 : 3,243,021
3,251,440
3,270,265
3,279,866
3,280,401
3 : 3,226,997
3,249,336
3,268,027
3,270,840
3,275,029
3,277,839
3,282,384
3,290,871
3,290,958
.2 : 3,228,503
.2 : 3,230,716
.2 : 3,240,308
.2 : 3,241,399
.2 : 3,252,352
.2 : 3,254,544
.2 : 3,255,642
.2 : 3,258,081
.2 : 3,276,552
.5 : 3,242,753
.5 : 3,253,475
.5 : 3,256,750
.5 : 3,262,523
.5 : 3,273,679
.5 : 3,276,552
.5 : 3,280,657
4 : 3,245,506
3,255,642
3,257,104
3,268,748
3,278,952
3,284,649
3,292,752
5 : 3,262,524
6 : 3,257,868
7 : 3,244,405
8 : RE.26,093
3,228,632
3,232,124
3,232,399
3,235,248
3,248,956
3,269,206
3,275,109
3,280,509
11 : 3,266,337
12 : 3,232,399
3,245,505
3,245,506
3,253,391
3,256,963
3,263,459
3,268,044
3,269,527
3,274,160
3,274,608
3,275,109
3,277,986
3,289,955
13 : 3,240,371
3,241,399
14 : 3,239,136
3,278,952
15 : 3,232,399
3,244,405
16 : 3,262,532
17 : 3,239,039
3,253,685
3,270,732
3,291,270
3,292,757
18 : 3,230,796
3,233,710
3,251,444
3,254,746
3,268,047
3,282,386
3,295,394
19 : 3,292,753
20 : 3,228,255
3,245,280
3,273,415
3,292,753
21 : 3,269,203
.5 : 3,240,994
.5 : 3,250,341
.5 : 3,262,534
24 : 3,239,040
3,244,263
3,269,497
25 : 3,237,736
3,239,039
26 : 3,232,399
3,258,095
28 : 3,236,348
3,237,465
28 : 3,250,464
3,291,270
30 : 3,289,486
31 : 3,261,437
3,262,533
32 : 3,281,873
33 : 3,239,040
3,249,191
3,250,464
3,253,685
3,275,110
3,283,862
3,291,269
34 : 3,289,290
35 : 3,249,182
3,261,437
3,268,042
3,269,499
3,273,681
3,275,115
3,278,110
3,282,386
38 : 3,262,532
40 : 3,228,497
3,291,243
41 : 3,233,053
3,236,113
3,236,345
3,237,404
3,240,309
3,242,696
3,243,023
3,245,505
3,258,246
3,263,459
3,266,131
3,269,202
3,270,845
43 : 3,295,256
.1 : 3,237,735
.1 : 3,256,966
.2 : 3,258,248
.2 : 3,291,293
44 : 3,238,814
3,243,023
3,262,526
3,274,930
45 : 3,231,212
3,238,814
3,243,023
3,247,727
3,247,935
3,256,751
3,279,571
3,283,867
3,295,625
46 : 3,233,471
3,249,187
3,252,553
3,273,681
3,295,625
46 : 3,233,471
3,249,187
3,252,553
3,273,681
54 : 3,238,818
3,239,042
3,240,305
3,251,247
3,251,441
3,252,553
54 : 3,261,431
3,268,046
3,273,674
3,275,113
55 : 3,245,508
3,262,529
3,268,046
3,275,108
3,275,113
3,277,747
56 : 3,228,209
3,235,050
3,236,346
3,237,734
3,237,742
3,242,804
3,244,096
3,245,230
3,249,187
3,251,439
3,251,441
3,254,353
3,258,095
3,262,536
3,263,451
3,263,785
3,270,579
3,277,670
3,282,387
3,288,258
3,291,293
57 : 3,250,351
3,263,780
3,280,948
58 : 3,228,494
3,242,770
3,257,808
3,263,426
3,263,449
3,283,537
3,292,391
61 : 3,234,822
66 : 3,232,171
3,235,047
3,237,423
3,240,301
3,253,686
3,253,687
3,268,035
67 : 3,228,486
3,235,044
3,240,304
3,251,630
3,252,598
3,256,963
3,269,206
3,273,412
3,276,553
3,279,273
3,285,378
68 : 3,235,049
3,237,731
3,237,740
3,254,747
3,255,854
3,266,271
3,280,949
3,286,802
69 : 3,228,675
3,233,477
3,233,704
3,237,404
3,245,508
3,265,172
3,273,415
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3,286,801
3,291,272
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3,295,647
70 : 3,239,033
3,240,292
3,245,499
3,273,673
3,289,795
71 : 3,276,554
75 : 3,249,182
3,275,255
76 : 3,265,913
77 : 3,240,309
78 : 3,237,473
3,243,021
3,279,571
79 : 3,258,095
81 : 3,228,497
3,230,595
3,232,399
3,242,696
3,249,180
83 : 3,236,340
3,237,404
3,262,532
3,292,453

Class 192—Con.

81 : 3,275,111
3,276,561
3,277,986
3,280,947
82 : 3,231,057
3,240,303
83 : 3,236,340
3,237,404
3,262,532
3,292,453
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3,292,751
84 : 3,227,253
3,229,796
3,233,709
3,236,043
3,237,738
3,240,302
3,240,304
3,241,002
3,246,725
3,250,354
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3,251,441
3,252,022
3,252,302
3,253,561
3,260,334
3,261,431
3,266,588
3,269,200
3,269,206
3,270,265
3,275,110
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3,284,734
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3,288,257
85 : 3,230,791
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3,240,308
3,250,353
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3,251,442
3,262,529
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87 : 3,228,504
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3,270,588
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.15: 3,279,573
88 : 3,228,501
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89 : 3,228,501
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90 : 3,240,440
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91 : 3,228,496
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92 : 3,261,436
93 : 3,228,486
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94 : 3,235,045
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96 : 3,247,938
98 : 3,241,643
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99 : 3,241,643
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109 : 3,230,792
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114 : 3,235,044
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127 : 3,248,979
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3,233,162
3,248,796
3,251,492
141 : 3,249,191
3,259,275
142 : Re.26,007
3,227,115
3,232,008
3,246,727
3,262,554
142 : 3,282,397
3,285,325
143 : 3,249,191
3,256,542
144 : 3,253,685
145 : 3,253,562
146 : 3,269,219
148 : 3,239,040
3,267,895
3,291,083
150 : 3,233,162
3,236,106
3,240,304
3,242,770
3,245,285
3,248,985
3,253,662
3,260,334
3,262,581
3,270,579
3,289,715
3,291,293

Class 193

2 : 3,227,500
3,232,416
3,235,257
3,257,073
3,275,325
3 : 3,252,444
7 : 3,258,142
10 : 3,246,884
3,285,476
12 : 3,245,131
3,278,054
16 : 3,249,192
17 : 3,254,776
3,279,395
22 : 3,251,631
23 : 3,248,108
3,248,109
3,285,438
25 : 3,249,192
3,264,848
3,266,667
3,286,804
27 : 3,231,110
3,258,142
29 : 3,255,857
3,292,249
31 : 3,251,212
3,258,951
3,265,208
3,278,021
3,279,260
32 : 3,231,110
3,255,856
35 : 3,236,550
3,243,029
3,243,062
3,244,300
3,252,556
3,252,593
3,263,951
3,268,099
3,268,265
3,275,124
3,279,583
3,279,631
3,289,813
3,291,283
3,295,639
36 : 3,254,752
3,269,519
37 : 3,245,510
3,246,216
3,247,455
3,251,489
3,269,502
3,270,577
3,295,639
39 : 3,251,212
3,258,951
40 : 3,245,510
3,250,361
3,252,520
3,255,856
41 : 3,235,053
3,255,499
43 : 3,231,273
3,243,028
3,248,789
3,252,571
3,253,723
3,253,735
3,258,045
3,258,119
3,260,363
3,266,613
3,269,083
3,277,997
3,288,267
43 : 3,292,782
3,295,659

Class 194

1 : 3,231,059
3,235,875
3 : 3,263,787
3,292,821
4 : 3,235,074
3,245,534
3,246,295
3,256,984
3,283,897
3,293,543
5 : 3,255,339
3,256,968
6 : 3,240,215
3,243,914
9 : 3,237,466
3,295,650
10 : 3,228,553
3,231,129
3,242,929
3,255,859
3,258,099
3,273,914
3,278,079
13 : 3,254,749
15 : 3,253,689
3,263,788
3,266,610
40 : 3,269,506
51 : 3,241,647
3,269,507
58 : 3,269,507
59 : 3,253,690
69 : 3,269,507
71 : 3,253,690
92 : 3,229,797
3,249,197
93 : 3,228,554
97 : 3,243,030
3,262,540
3,263,788
3,265,177
3,269,508
3,279,574
3,285,382
3,292,760
99 : 3,241,646
101 : 3,241,646
102 : 3,228,506
3,237,631
3,241,645
3,262,540
3,265,179
3,289,802
103 : 3,241,645
3,241,646

Class 195

1 : 3,228,856
3,243,918
3,268,414
3,293,145
2 : 3,243,356
3,256,156
3,258,407
3,266,889
3,266,933
3,275,610
3,276,962
3,282,702
3,290,225
3 : 3,264,196
3,268,419
3,274,073
3,274,074
4 : 3,255,015
3,258,407
3,278,390
7 : 3,254,000
8 : 3,232,832
3,241,943
9 : 3,241,943
11 : 3,236,687
12 : 3,236,742
3,241,943
17 : 3,296,092
28 : 3,231,385
3,236,831
3,239,501
3,268,413
3,268,419
3,268,606
3,271,266
3,271,386
3,274,074
3,293,145
29 : 3,243,356
3,253,062
29 : 3,256,156
3,262,783
3,281,247
3,293,140
3,296,090
30 : 3,252,870
3,262,862
3,267,004
3,275,610
31 : 3,232,929
3,239,378
3,243,300
3,245,871
3,249,514
3,265,533
3,282,916
3,285,776
3,285,831
3,293,142
32 : 3,251,748
33 : 3,232,832
36 : 3,230,240
3,252,897
3,254,001
3,255,095
3,265,589
3,296,090
37 : 3,236,740
3,243,300
3,254,000
3,296,090
39 : 3,236,744
3,241,943
47 : 3,231,478
3,232,844
3,234,105
3,238,252
3,252,897
3,255,095
3,281,247
3,285,827
3,296,090
50 : 3,256,083
51 : 3,230,217
3,230,240
3,231,568
3,231,588
3,231,589
3,232,835
3,232,839
3,234,213
3,236,880
3,239,540
3,239,544
3,245,985
3,246,021
3,247,192
3,248,389
3,251,734
3,251,834
3,251,864
3,251,866
3,251,867
3,252,930
3,253,005
3,254,098
3,254,116
3,255,184
3,257,388
3,257,425
3,261,830
3,261,851
3,264,332
3,266,991
3,268,521
3,271,252
3,274,182
3,274,237
3,275,621
3,275,622
3,275,656
3,278,556
3,280,155
3,281,414
3,287,412
3,288,818
3,290,338
3,291,792
3,293,285
3,293,300
3,296,075
3,296,254
3,296,295
52 : 3,267,141
54 : 3,242,055
3,291,701
3,293,147
57 : 3,257,289
62 : 3,232,832
3,236,741
3,249,513
3,255,015
3,275,453
62 : 3,281,331
3,288,683
63 : 3,236,741
3,252,948
3,282,702
3,284,212
65 : 3,267,141
3,268,441
66 : 3,232,832
3,234,106
3,235,468
3,236,741
3,248,300
3,248,301
3,249,512
3,255,015
3,256,157
3,267,006
3,268,417
3,274,072
3,274,073
3,276,971
3,278,391
3,285,831
3,293,142
68 : 3,236,741
3,242,055
3,242,056
3,243,356
3,252,948
3,278,392
3,281,332
3,282,702
3,284,316
3,293,143
69 : 3,293,144
74 : 3,295,990
78 : 3,227,557
3,232,844
3,238,110
3,255,095
3,258,408
3,262,864
3,275,526
79 : 3,254,000
80 : 3,230,254
3,234,092
3,240,787
3,243,918
3,244,592
3,247,078
3,255,095
3,256,271
3,260,747
3,260,749
3,261,751
3,264,185
3,264,348
3,265,732
3,271,253
3,271,439
3,277,172
3,278,378
3,280,188
3,282,787
3,285,814
81 : 3,236,600
3,243,355
3,255,095
3,257,161
3,264,196
3,265,589
82 : 3,243,354
3,249,515
3,251,749
3,255,095
3,257,289
3,258,406
3,259,549
3,271,266
85 : 3,266,933
91 : 3,236,744
3,266,933
94 : 3,234,026
96 : 3,228,855
3,228,856
3,245,882
3,251,734
3,251,749
3,255,095
3,257,161
3,264,196
3,271,243
3,276,840
3,282,916
3,293,145
99 : 3,230,144
3,232,865
100 : 3,228,855
3,235,467
3,236,741
3,236,600
3,238,110
3,242,054

100 : 3,243,355
3,245,882
3,247,078
3,251,749
3,255,095
3,25 ,408
3,268,415
3,269,916
3,271,267
3,275,526
3,275,527
3,276,970
3,276,972
3,281,329
3,281,333
3,285,828
3,291,701
3,293,145
3,296,088
103.5 : 3,227,522
.5 : 3,232,710
.5 : 3,233,974
.5 : 3,234,107
.5 : 3,235,337
.5 : 3,236,600
.5 : 3,236,732
.5 : 3,239,429
.5 : 3,266,868
.5 : 3,269,916
.5 : 3,273,968
.5 : 3,278,393
.5 : 3,280,007
.5 : 3,282,803
.5 : 3,285,698
.5 : 3,290,228
104 : 3,236,743
3,243,354
3,264,213
3,268,413
3,275,610
3,281,329
3,291,400
106 : 3,241,943
107 : 3,271,267
109 : 3,228,855
3,246,959
3,251,749
3,281,329
3,282,702
112 : 3,232,844
3,254,000
3,258,408
3,275,526
114 : 3,235,364
3,235,467
3,251,748
3,276,970
3,293,145
115 : 3,227,429
3,234,026
3,251,749
3,252,870
3,255,015
3,255,095
3,281,329
116 : 3,232,865
3,242,055
3,251,749
117 : 3,228,855
3,251,749
3,252,870
3,255,093
3,285,828
118 : 3,232,844
3,281,329
120 : 3,234,107
121 : 3,251,749
3,268,417
122 : 3,239,430
123 : 3,227,612
3,232,948
3,238,094
3,257,161
3,281,333
126 : 3,235,467
3,248,302
127 : 3,234,107
3,236,173
3,239,430
3,245,882
3,255,095
3,273,968
3,296,095
131 : 3,245,759
132 : 3,232,865
134 : 3,249,515
135 : 3,262,252
139 : 3,236,743
3,239,429
3,246,959
3,275,527
3,281,329
140 : 3,252,870
141 : 3,245,759
3,252,870
142 : 3,227,429
3,251,749
3,275,528
3,281,307
3,281,329
143 : 3,227,557
3,232,211
3,264,213
3,265,589
3,274,075
3,275,528

Class 196

14.5 : 3,278,414
.52: 3,239,315
.52: 3,243,268
.52: 3,249,649
.52: 3,251,767
.52: 3,271,293
.52: 3,275,565
46 : 3,228,858
3,255,104
3,274,745
99 : 3,257,313
3,287,262
3,296,121
100 : 3,249,516
102 : 3,249,438
103 : 3,287,262
104 : 3,230,158
105 : 3,230,158
106 : 3,257,313
107 : 3,228,754
108 : 3,230,158
110 : 3,274,978
114 : 3,249,438
120 : 3,261,762
122 : 3,257,309
123 : 3,228,754
3,251,401
125 : 3,261,762
127 : 3,260,572
3,268,435
132 : 3,227,631
3,228,858
3,228,860
3,230,154
3,237,376
3,238,111
3,238,121
3,238,122
3,239,432
3,239,457
3,241,599
3,247,100
3,249,518
3,249,519
3,250,312
3,251,767
54 : 3,227,258
55 : 3,239,049
3,286,806
3,289,574
3,291,041
116 : 3,232,865
3,256,176
3,259,554
3,266,260
3,268,604
3,268,605
3,271,472
3,285,846
3,296,121
133 : 3,231,338
3,231,339
3,248,441
3,262,983
3,274,745
134 : 3,274,096
3,287,262
138 : 3,282,062
141 : 3,230,154
3,247,708

Class 197

1 : 3,234,331
3,241,115
3,242,855
3,261,284
3,264,757
3,267,852
3,270,438
3,270,850
3,273,684
3,277,817
3,279,363
3,283,702
3,283,871
3,285,384
3,292,530
3,293,653
.5 : 3,241,648
93 : 3,250,368
97 : 3,258,101
98 : 3,244,847
3,249,199
3,251,962
3,283,873
3,288,261
3,292,761
99 : 3,228,507
102 : 3,241,649
3,292,761
103 : 3,247,942
106 : 3,292,761
107 : 3,232,404
3,234,664
3,264,757
3,270,852
3,270,853
3,273,791
3,289,327
3,289,806
3,295,653
110 : 3,263,793
3,270,853
112 : 3,229,799
113 : 3,232,406
3,285,384
114 : 3,253,691
3,266,719
120 : 3,276,561
123 : 3,280,957
126 : 3,255,696
127 : 3,254,594
3,282,390
3,285,384
3,288,264
3,292,762
133 : 3,232,407
3,244,095
3,273,687
3,278,004
3,283,874
3,285,164
3,292,763
134 : 3,283,874
138 : 3,285,384
3,292,762
139 : 3,292,763
143 : 3,288,264
147 : 3,230,553
150 : 3,273,685
151 : 3,232,229
3,236,353
3,237,747
3,283,876
3,291,043
3,295,655
154 : 3,237,747
157 : 3,237,747
166 : 3,232,229
168 : 3,291,042
170 : 3,283,876
171 : 3,241,522
3,254,624
3,291,042
172 : 3,274,039
176 : 3,268,049
3,269,511
3,283,872
179 : 3,279,577
3,283,872
180 : 3,229,800
3,285,384
3,288,264
181 : 3,270,852
3,273,686
3,293,650
183 : 3,260,342
3,288,260
187 : 3,270,438
3,276,562
3,288,264
189 : 3,276,562
190 : 3,292,763
192 : 3,295,654
194 : 3,288,264
3,292,763

Class 198

1 : 3,237,753
3,239,316
3,265,192
3,285,015
3,291,286
7 : 3,241,696
3,252,558
3,254,754
3,256,973
3,263,257
8 : 3,259,436
3,292,586
9 : 3,230,647
3,241,301
3,251,456
3,252,277
3,279,589
10 : 3,240,276
12 : 3,254,881
15 : 3,241,657
16 : 3,251,458
3,265,010
3,289,817
19 : 3,228,100
3,233,072
3,235,073
3,235,445
3,239,216
3,241,656
3,249,415
3,253,306
3,253,496
3,262,419
3,265,194
3,266,530
3,268,094
3,273,534
3,273,618
3,274,626
3,279,435
3,283,918
3,290,708
3,290,767
20 : 3,236,360
3,237,444
3,240,356
3,241,651
3,244,080
3,244,269
3,254,889
3,263,255
3,263,316
3,263,543
3,265,186
3,267,641
3,280,759
3,280,960
3,291,282
3,292,767
21 : 3,232,409
3,235,057
3,240,316
3,241,652
3,242,342
3,244,267
3,248,108
3,248,109
3,248,976
3,250,056
3,255,862
3,279,360
23 : 3,237,804
3,282,585
24 : 3,228,171
3,231,062
3,235,056
3,238,979
3,240,315
3,243,033
3,244,266
3,246,733
3,250,370
3,259,057
3,260,384
3,262,542
3,263,798
3,276,564
3,277,994
3,288,057
3,292,646
25 : Re.26,003
3,231,061
3,235,060
3,246,595
3,252,588
3,267,786
3,270,601
3,273,691
3,276,304
3,279,625
3,282,444
3,284,570
3,284,828
3,286,810
3,292,249
26 : 3,235,101
3,237,751
3,239,054
3,244,268
3,244,322
27 : 3,231,118
3,232,451
27 : 3,237,555
3,243,059
3,250,404
3,252,607
3,253,720
3,279,625
3,282,444
3,286,854
28 : 3,233,900
3,248,108
3,248,109
3,275,117
3,290,858
29 : 3,249,416
3,252,593
3,253,696
3,261,449
3,264,979
3,273,304
3,283,879
3,289,810
30 : 3,231,061
3,243,935
3,253,739
3,258,105
3,261,514
3,268,057
3,279,658
3,286,815
31 : 3,235,101
3,240,316
3,250,371
3,252,558
3,252,594
3,258,103
3,262,243
3,262,538
32 : 3,228,512
3,232,411
3,237,804
3,237,943
3,239,086
3,256,971
3,258,103
3,265,195
3,267,820
3,267,821
3,269,086
3,278,025
33 : Re.26,111
Re.26,117
3,228,100
3,229,802
3,232,256
3,232,302
3,232,410
3,232,447
3,232,450
3,233,072
3,236,162
3,237,784
3,238,694
3,239,086
3,240,332
3,243,875
3,244,296
3,245,196
3,245,557
3,246,780
3,247,963
3,247,981
3,248,789
3,250,277
3,250,372
3,252,560
3,253,720
3,255,566
3,256,017
3,257,935
3,258,045
3,260,363
3,260,413
3,262,584
3,263,795
3,270,710
3,270,788
3,270,903
3,273,615
3,277,940
3,279,649
3,280,958
3,280,964
3,280,995
3,282,464
3,288,464
3,289,283
33 : 3,289,810
3,290,135
3,290,859
3,290,974
3,291,279
3,291,282
3,291,379
3,233,363
.1 : 3,276,854
34 : 3,236,355
3,240,314
3,240,316
3,244,123
3,249,065
3,268,054
3,269,086
3,279,581
3,280,960
3,289,867
3,295,656
3,295,657
3,295,661
35 : 3,236,162
3,238,695
3,241,690
3,249,202
3,260,350
3,273,691
3,290,859
36 : 3,228,514
37 : 3,234,912
3,251,458
3,253,743
3,256,017
3,270,155
3,279,423
3,283,979
3,285,391
38 : 3,227,096
3,227,886
3,231,066
3,231,068
3,231,072
3,233,719
3,233,721
3,252,581
3,253,696
3,265,190
3,268,096
3,269,520
3,283,922
3,285,434
39 : 3,227,232
3,241,582
40 : 3,227,248
3,237,749
3,239,676
3,241,666
3,242,342
3,251,452
3,268,056
3,273,305
3,273,689
3,289,815
60 : 3,229,646
3,250,277
62 : 3,253,743
3,285,439
64 : 3,227,264
3,231,071
3,232,419
3,234,913
3,241,333
3,242,905
3,254,798
3,256,862
3,258,165

Class 198—Con.

64 : 3,265,226
3,265,227
3,268,067
3,279,436
3,279,592
3,282,252
3,283,925
65 : 3,292,585
66 : 3,244,298
3,248,108
3,248,109
3,252,562
3,265,225
3,270,858
3,288,038
3,291,010
67 : 3,265,253
68 : 3,292,249
72 : 3,279,435
75 : 3,237,943
3,269,517
3,273,618
76 : 3,236,358
3,243,033
3,265,010
3,268,066
3,279,580
3,280,960
3,282,392
3,286,619
3,286,862
3,292,766
3,295,663
78 : 3,244,267
3,252,558
3,265,186
3,279,583
79 : 3,240,323
3,292,806
80 : 3,229,802
81 : 3,252,200
3,252,595
3,286,815
3,291,282
82 : 3,282,403
3,292,504
84 : 3,239,052
3,254,428
3,282,197
3,285,580
3,288,270
85 : 3,233,337
3,258,103
3,286,362
3,289,812
3,295,953
86 : 3,256,863
88 : 3,290,041
89 : 3,285,385
90 : 3,279,584
91 : 3,227,296
3,279,584
92 : 3,268,099
3,268,214
3,268,258
3,289,816
93 : 3,292,504
94 : 3,235,058
95 : 3,229,828
3,236,399
3,252,597
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3,286,055
3,290,454
168 : 3,227,822
3,230,607
3,231,706
3,235,679
3,236,988
3,239,624
3,239,625
3,242,273
3,242,293
3,243,539
3,243,558
3,244,941
3,246,110
3,248,489
3,248,491
3,248,511
3,249,369
3,249,726
3,250,881
3,250,957
3,253,094
3,255,319
3,255,637
3,259,699
3,259,702
3,260,806
3,260,814
3,264,443
3,265,833
3,265,847
3,270,301
3,274,358
3,274,631
3,276,007
3,277,248
3,277,739
3,278,807
3,278,963
3,280,287
3,281,545
3,283,100
3,286,045
3,286,047
3,287,515
3,287,516
3,288,949
3,288,975
3,289,049
3,290,456
3,290,463
3,291,926
3,293,382
3,293,392
3,296,392
169 : 3,243,534
3,244,836
3,258,652
3,271,530
3,283,087
3,284,582
3,288,946
170 : 3,235,698
3,239,638
3,240,911
3,255,322
3,259,704
3,261,956
3,265,824
3,283,101
3,286,067
172 : 3,227,820
3,227,826
3,229,056
3,237,460
3,238,308
3,242,272
3,244,847
3,248,508
3,249,734
3,250,887
3,255,333
172 : 3,256,534
3,267,223
3,283,215
3,287,514
3,287,516
3,287,535
3,291,930
3,293,380
181.4 : 3,246,707

Class 201

3 : 3,282,826
7 : 3,265,608
8 : 3,267,019
10 : 3,252,773
3,252,774
12 : 3,267,019
17 : 3,251,751
3,271,268
18 : 3,284,317
19 : 3,284,317
20 : 3,248,303
3,251,751
3,265,608
3,282,826
21 : 3,271,268
25 : 3,258,409
3,271,268
3,275,547
27 : 3,258,409
28 : 3,282,826
3,284,317
29 : 3,271,268
31 : 3,252,871
3,284,317
32 : 3,227,627
3,258,409
3,284,317
34 : 3,271,268
35 : 3,258,409
36 : 3,232,845
3,236,745
3,252,871
3,258,409
37 : 3,258,409
3,271,268
38 : 3,271,268
40 : 3,258,409
3,271,268
42 : 3,284,317
43 : 3,258,409

Class 202

1 : 3,247,079
8.55: 3,284,319
26 : 3,238,054
32 : 3,238,144
39.5 : 3,244,761
40 : 3,234,291
3,239,457
41 : 3,247,267
42 : 3,230,245
3,231,605
3,239,572
3,279,375
3,290,390
46 : 3,246,683
3,277,037
50 : 3,243,358
51 : 3,227,743
52 : 3,274,029
53 : 3,228,859
3,246,683
56 : 3,242,058
57 : 3,227,743
3,227,766
3,233,972
3,235,607
3,240,833
3,242,058
3,247,260
3,277,037
59 : 3,233,972
61 : 3,233,972
64 : 3,227,630
66 : 3,239,547
67 : 3,234,293
3,242,058
69 : 3,238,735
70 : 3,242,058
71 : 3,239,547
3,242,058
74 : 3,234,995
75 : 3,227,630
3,243,359
3,248,305
91 : 3,227,627
100 : 3,288,686
103 : 3,227,627
106 : 3,259,643
3,267,019
108 : 3,284,317
117 : 3,258,409
118 : 3,251,751
128 : 3,279,892
129 : 3,284,317
135 : 3,261,763
136 : 3,257,309
139 : 3,261,763
142 : 3,252,872
3,261,763
144 : 3,250,686
3,252,872
151 : 3,250,686
3,261,763
153 : 3,230,158
3,239,432
154 : 3,230,156
3,232,849
3,248,308
3,281,337
158 : 3,231,251
3,233,389
3,233,879
3,241,926
3,243,170
3,258,486
3,262,684
3,273,872
3,278,169
3,285,587
3,295,841
160 : 3,227,631
3,228,860
3,230,154
3,235,469
3,237,376
3,238,111
3,240,023
3,242,057
3,242,058
3,247,708
3,249,519
3,250,312
3,250,313
3,255,594
3,259,734
3,264,365
3,265,590
3,266,260
3,266,273
3,268,420
3,269,921
3,281,337
3,282,799
3,296,096
3,296,097
3,296,121
3,296,241
161 : 3,240,682
163 : 3,228,754
3,230,158
170 : 3,232,594
3,238,065
3,242,933
3,274,700
173 : 3,232,847
3,236,747
3,245,762
3,249,517
3,257,291
3,259,552
3,285,832
3,288,686
174 : 3,227,630
3,240,024
3,251,397
3,261,766
3,285,834
3,293,150
175 : 3,273,631
3,279,525
3,280,010
3,285,833
3,289,734
176 : 3,249,438
3,257,171
177 : 3,234,109
180 : 3,257,290
3,257,291
3,269,920
182 : 3,235,470
3,248,304
3,273,631
3,280,009
3,288,685
183 : 3,242,058
3,261,766
3,287,262
185 : 3,232,847
3,235,470
3,247,890
3,259,182
3,261,764
3,266,273
185 : 3,270,432
3,275,529
3,275,532
3,280,008
3,286,763
3,288,686
3,290,229
3,291,703
3,291,704
.2 : 3,236,747
.2 : 3,239,547
.4 : 3,242,057
186 : 3,256,159
3,280,008
187 : 3,240,683
3,242,057
3,249,438
3,278,395
3,278,396
3,284,318
3,292,683
189 : 3,232,846
3,279,441
190 : 3,230,051
3,236,746
3,269,920
195 : 3,248,304
3,248,305
3,248,306
3,256,159
197 : 3,234,109
3,235,470
3,245,883
3,248,305
3,273,630
3,275,529
3,279,525
3,279,533
3,281,334
198 : 3,234,108
199 : 3,244,600
200 : 3,244,600
3,256,159
3,282,326
3,293,151
201 : 3,251,752
3,296,122
202 : 3,242,058
3,251,752
3,269,919
3,293,151
205 : 3,228,860
3,232,846
3,248,305
3,248,306
3,249,438
3,271,271
3,275,530
3,276,848
3,285,832
3,290,229
3,291,703
3,293,151
206 : 3,227,631
3,235,469
3,236,746
3,238,111
3,239,432
3,239,457
3,255,594
3,268,420
3,269,919
3,269,921
3,278,395
3,289,736
3,292,683
212 : 3,284,171
214 : 3,282,966
3,284,318
215 : 3,281,450
217 : 3,259,553
219 : 3,234,109
3,285,833
3,293,153
223 : 3,247,079
224 : 3,228,863
232 : 3,262,684
233 : 3,243,358
234 : 3,232,846
3,232,847
3,248,306
3,248,307
235 : 3,236,746
3,243,359
3,249,516
3,282,326
3,290,278
236 : 3,227,630
3,228,453
3,233,879
3,234,108
3,234,993
3,242,969
3,243,358
236 : 3,248,304
3,248,306
3,250,687
3,252,501
3,256,159
3,256,926
3,257,291
3,259,172
3,260,655
3,261,764
3,266,555
3,266,786
3,269,920
3,270,432
3,271,271
3,274,076
3,275,529
3,275,530
3,280,009
3,282,326
3,292,683
3,293,153
238 : 3,229,384
3,242,057
3,250,687
3,255,805
3,282,326
3,292,683
241 : 3,245,460
248 : 3,275,360
268 : 3,247,079
3,259,551

Class 203

1 : 3,271,269
2 : 3,266,260
3,271,269
3,271,270
3,290,924
3,296,121
3 : 3,235,469
3,238,111
3,282,799
3,296,097
7 : 3,236,748
3,260,668
3,289,734
8 : 3,258,410
3,276,973
3,278,397
10 : 3,235,469
3,243,359
3,260,668
3,261,765
3,269,920
3,275,529
3,278,395
3,278,396
3,282,326
3,285,834
3,291,704
11 : 3,245,883
3,259,552
3,261,764
3,275,530
3,276,848
3,282,797
3,284,318
3,285,832
3,290,229
3,292,683
3,293,153
3,293,154
12 : 3,284,171
14 : 3,282,966
15 : 3,281,450
17 : 3,259,553
19 : 3,259,553
22 : 3,234,109
3,285,833
3,293,153
23 : 3,269,921
3,288,685
24 : 3,245,883
3,288,685
25 : 3,261,766
3,290,229
26 : 3,236,748
3,243,359
3,282,797
3,282,798
3,284,318
3,288,685
27 : 3,259,553
32 : 3,258,482
33 : 3,251,753
34 : 3,270,058
35 : 3,282,802
36 : 3,278,423
37 : 3,278,398
38 : 3,260,668
3,270,058
3,278,397
3,278,398
39 : 3,259,552
39 : 3,267,127
3,267,128
3,271,273
40 : 3,235,470
3,260,059
3,273,630
42 : 3,260,057
3,261,766
3,274,245
43 : 3,282,966
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47 : 3,285,834
49 : 3,274,245
3,275,531
3,280,009
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85 : 3,285,833
3,285,834
50 : 3,290,231
51 : 3,274,077
3,278,397
52 : 3,296,241
53 : 3,248,308
3,265,591
3,288,687
55 : 3,257,446
57 : 3,232,847
3,248,308
3,261,765
3,270,058
3,288,877
58 : 3,232,847
3,278,397
3,288,877
59 : 3,232,847
60 : 3,232,847
3,259,555
3,267,127
3,267,128
3,268,572
3,270,058
3,284,171
3,288,877
61 : 3,270,058
3,284,171
3,293,152
62 : 3,230,157
3,265,593
3,271,273
3,282,801
3,284,171
3,288,877
63 : 3,232,847
3,265,593
3,268,572
3,282,800
3,282,801
64 : 3,257,446
3,265,593
3,267,028
66 : 3,265,593
3,281,335
3,282,801
67 : 3,232,847
3,275,549
68 : 3,259,555
3,293,154
69 : 3,258,482
3,280,091
3,293,154
70 : 3,257,292
3,280,091
71 : 3,259,553
3,265,591
3,276,973
3,278,423
72 : 3,271,271
3,282,326
3,292,683
73 : 3,236,747
74 : 3,230,157
3,296,096
76 : 3,278,398
77 : 3,275,692
3,278,398
78 : 3,230,156
3,232,849
3,232,850
3,260,057
3,261,767
3,275,531
3,275,692
3,278,398
79 : 3,278,398
80 : 3,230,154
3,261,877
3,275,531
3,278,398
3,279,152
80 : 3,280,091
81 : 3,232,848
3,288,687
82 : 3,230,155
3,239,435
3,282,966
3,287,235
83 : 3,269,923
3,287,235
84 : 3,230,155
3,260,057
3,275,531
3,282,802
3,282,966
3,284,320
3,287,235
85 : 3,264,197
3,265,594
3,287,234
3,287,235
86 : 3,250,687
3,274,077
87 : 3,228,860
3,235,470
88 : 3,234,109
3,236,748
3,280,091
3,281,335
3,285,832
3,288,686
3,290,278
89 : 3,285,832
3,291,704
3,293,152
3,293,153
90 : 3,280,009
3,293,152
91 : 3,228,860
3,248,307
3,275,532
3,276,848
3,281,337
3,285,833
3,288,685
3,288,686
93 : 3,230,156
94 : 3,275,692
95 : 3,267,127
3,267,128
96 : 3,264,197
3,265,592
3,265,594
98 : 3,260,057
3,265,590
3,287,234
100 : 3,232,847
3,236,747
3,261,764
3,269,923
3,279,527
3,282,327
3,285,834
3,289,736
3,290,230
3,290,231
3,291,703

Class 204

1 : 3,234,047
3,236,756
3,244,607
3,244,608
3,246,235
3,247,452
3,250,693
3,256,165
3,257,609
3,258,414
3,258,415
3,262,051
3,267,016
3,278,408
3,281,348
3,282,834
3,284,327
3,291,709
3,296,096
3,296,500
2 : 3,250,613
3,263,604
3,265,531
3,278,366
3,283,704
3 : 3,244,603
3,285,835
4 : 3,271,488

Class 204—Con.

9 : 3,285,835
3,287,169
3,290,762
10 : 3,262,812
3,276,921
11 : 3,231,380
3,270,414
3,287,169
12 : 3,278,400
3,281,339
14 : 3,252,987
3,278,400
15 : 3,230,163
3,236,708
3,236,749
3,239,441
3,240,602
3,256,586
3,259,556
3,263,313
3,267,727
3,270,401
3,274,092
3,276,104
3,276,106
3,276,986
3,282,756
3,284,322
3,291,871
3,293,156
3,296,034
16 : 3,249,470
3,264,714
3,279,955
3,281,996
18 : 3,227,076
3,242,858
3,278,366
3,284,321
20 : 3,248,177
3,252,612
3,261,771
22 : 3,245,313
3,267,007
23 : 3,261,773
3,285,836
3,293,165
24 : 3,231,380
3,282,808
25 : 3,289,753
3,289,754
26 : 3,249,520
3,270,414
3,291,551
27 : 3,275,542
28 : 3,267,017
3,270,401
3,271,287
3,276,104
3,276,985
3,285,790
3,296,114
29 : 3,227,636
3,235,472
3,247,080
3,247,946
3,260,623
3,261,773
3,264,144
3,266,945
3,277,553
3,278,404
3,282,805
3,284,323
3,287,789
3,296,359
30 : 3,240,686
3,263,455
3,296,013
32 : 3,239,439
3,261,773
3,278,404
3,282,821
3,287,473
33 : 3,232,753
3,240,105
3,249,523
3,281,340
3,284,323
3,284,324
3,285,836
3,287,179
34 : 3,242,090
3,247,086
3,268,422
35 : 3,242,037
3,254,015
3,257,244
3,257,592
3,276,974
3,282,808
3,284,321

35 : 3,285,699
3,287,861
3,287,862
3,291,651
3,291,667
36 : 3,232,933
37 : 3,251,121
3,260,580
3,262,812
3,282,735
3,292,242
38 : 3,231,965
3,232,852
3,234,442
3,235,404
3,235,473
3,239,731
3,245,577
3,245,885
3,249,462
3,252,839
3,257,592
3,258,413
3,261,771
3,265,239
3,267,007
3,268,424
3,274,024
3,274,078
3,279,030
3,279,936
3,280,012
3,281,272
3,281,341
3,282,809
3,284,321
3,285,836
3,287,861
3,287,862
3,290,232
3,290,235
3,291,636
3,293,083
3,296,034
.2 : 3,296,013
39 : 3,239,436
3,257,293
3,259,557
3,259,558
3,282,854
3,288,689
40 : 3,236,750
3,244,686
3,247,080
3,249,470
3,268,307
3,268,308
3,268,423
3,276,978
3,280,736
3,288,574
3,288,636
42 : 3,234,110
3,240,685
3,242,722
3,254,014
3,257,592
3,284,321
3,287,861
3,287,862
3,290,233
43 : 3,227,635
3,245,886
3,247,082
3,264,199
3,268,422
3,276,977
3,280,012
3,284,324
3,287,168
3,288,574
44 : 3,227,636
3,245,886
3,254,005
45 : 3,227,638
3,235,602
3,252,987
3,254,080
3,256,339
3,267,098
3,276,977
3,281,340
46 : 3,227,638
3,238,112
3,239,439
3,240,686
3,245,886
3,252,987

46 : 3,257,294
3,260,658
3,267,098
3,276,977
3,282,805
3,296,101
47 : 3,234,110
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48 : 3,227,635
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3,264,200
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3,282,809
49 : 3,232,933
3,239,437
3,245,886
3,252,987
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3,264,200
3,267,098
3,268,307
3,268,308
3,268,423
3,268,424
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50 : 3,238,112
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51 : 3,245,886
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52 : 3,227,638
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53 : 3,245,886
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3,267,098
3,276,977
3,284,350
3,285,838
55 : 3,227,638
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3,245,779
3,245,886
3,252,987
3,254,005
3,257,294
3,267,098
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3,276,979
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56 : 3,227,636
3,234,110
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3,259,558
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3,282,809

56 : 3,296,100
57 : 3,282,808
58 : 3,231,479
3,257,295
3,270,401
3,284,321
3,287,861
3,287,862
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3,293,158
3,296,106
59 : 3,234,113
3,234,114
3,234,115
3,255,224
3,257,298
3,278,400
3,285,947
60 : 3,254,010
3,257,296
62 : 3,234,114
63 : 3,265,490
64 : 3,257,293
3,261,773
3,276,851
65 : 3,257,296
67 : 3,243,364
3,248,177
3,257,296
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3,261,773
3,268,421
3,284,334
3,293,406
68 : 3,257,293
3,265,490
69 : 3,257,296
70 : 3,257,296
71 : 3,257,296
3,284,325
72 : 3,236,754
3,245,889
3,249,521
3,250,690
3,257,470
3,267,131
3,280,014
73 : 3,267,131
74 : 3,280,014
75 : 3,280,014
78 : 3,232,925
3,280,014
79 : 3,280,014
80 : 3,245,890
3,280,014
81 : 3,280,014
82 : 3,236,756
3,278,404
92 : 3,236,749
93 : 3,252,879
94 : 3,282,823
95 : 3,278,404
3,282,823
3,284,333
3,287,251
98 : 3,251,758
3,282,834
99 : 3,265,490
3,268,427
101 : 3,281,211
103 : 3,281,274
3,282,834
104 : 3,278,404
105 : 3,233,970
3,256,086
106 : 3,244,605
3,262,870
3,293,093
108 : 3,244,605
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Class 205

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Class 206

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Class 206 – Con.

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Class 207

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Class 208

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Class 209—Con.

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212 : 3,228,878
214 : 3,273,707
215 : 3,243,698
219 : 3,233,587
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227 : 3,289,836
228 : 3,246,753
232 : 3,238,037
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238 : 3,268,080
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241 : 3,269,532
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247 : 3,241,673
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325 : 3,254,766
326 : 3,271,012
329 : 3,232,431
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332 : 3,246,737
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344 : 3,228,521
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346 : 3,232,427
347 : 3,246,754
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354 : 3,285,413
359 : 3,236,379
360 : 3,241,672
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405 : 3,228,432
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470 : 3,283,901
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504 : 3,241,674
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508 : 3,291,306

Class 210

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3 : 3,247,104
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13 : 3,232,434
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3,280,982
3,281,238
3,283,911
3,295,684
447 : 3,240,342
3,250,395
3,254,772
448 : 3,254,772
3,278,035
3,291,184
449 : 3,255,691
450 : 3,240,342
3,275,144
3,295,684
451 : 3,236,383
3,240,342
3,249,228
3,262,572
3,266,229
3,282,434
3,283,911
3,289,840
3,291,313
3,292,792
3,295,563
3,295,681
461 : 3,237,772
463 : 3,268,920

468 : 3,256,916
470 : 3,258,801
3,284,349
472 : 3,239,064
3,254,772
3,258,801
3,295,686
474 : 3,265,214
3,269,545
3,276,596
3,282,431
3,289,849
3,295,264
3,295,683
3,295,686
476 : 3,266,411
477 : 3,265,214
479 : 3,243,263
480 : 3,263,818
3,283,909
482 : 3,231,093
3,236,385
3,254,770
3,257,309
3,263,818
3,279,605
3,282,430
3,282,431
484 : 3,241,680
3,246,765
3,252,403
3,269,546
485 : 3,242,655
3,242,656
3,243,042
3,246,457
3,250,063
3,256,995
3,258,900
3,276,190
3,279,605
3,283,906
3,289,394
3,289,395
3,292,349
486 : 3,278,033
3,279,605
3,283,906
3,291,312
487 : 3,228,175
3,237,771
3,279,614
3,291,310
488 : 3,228,529
3,246,457
3,259,248
3,261,474
3,263,819
3,273,374
3,279,615
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494 : 3,231,092
3,261,473
3,262,578
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3,295,681
495 : 3,276,596

496 : 3,240,342
3,240,346
3,243,045
3,244,229
3,253,715
3,255,821
3,260,369
3,260,370
3,262,578
3,266,229
3,276,597
3,287,807
3,292,792
3,295,563
497 : 3,228,527
3,229,818
3,237,775
3,240,347
3,245,540
3,246,766
3,253,714
3,256,996
3,256,997
3,262,578
3,263,817
3,266,411
3,276,188
3,279,615
3,279,616
3,283,904
3,291,314
.1 : 3,255,889
.1 : 3,279,610
.1 : 3,291,311
498 : 3,249,491
3,263,819
3,273,374
3,277,814
3,282,427
499 : 3,228,665
3,231,091
3,234,639
3,241,681
3,254,766
3,256,995
3,268,990
3,288,296
500 : 3,228,877
3,232,867
3,235,089
3,235,635
3,244,620
3,250,398
3,250,701
3,250,702
3,250,705
3,251,470
3,259,471
3,259,571
3,276,996
501 : 3,231,324
3,242,073
3,257,315
3,268,444
502 : 3,227,650
3,231,324
3,235,089
3,235,492
3,238,064
3,247,106
3,266,973
3,268,444
3,276,186
3,278,040
3,282,435
503 : 3,231,324
3,236,757
3,237,776
3,238,124
3,243,045
3,250,704
3,251,475
3,260,370
3,276,996
504 : 3,227,650
3,237,776
3,242,073
3,244,287
3,263,812
3,284,361
3,288,615
505 : 3,237,776
3,238,056
3,238,124
3,249,491
3,250,398
3,251,475
3,261,473
3,274,103
3,276,597
506 : 3,235,089
3,238,056
3,242,073
3,246,767

506 : 3,251,475
3,283,908
3,288,615
508 : 3,237,776
3,248,339
3,250,398
3,253,715
509 : 3,248,339
3,262,578
510 : 3,241,681
3,243,860
3,248,183
3,248,339
3,287,807
3,288,615
3,291,310
3,293,174
511 : 3,244,280
3,273,716
512 : 3,232,430
3,243,043
3,243,941
3,245,834
3,247,967
3,249,227
3,257,957
3,258,123
3,259,246
3,261,779
3,271,304
3,276,592
3,277,926
3,287,263
3,289,608
3,289,894
3,291,315
3,291,569
513 : 3,253,711
3,284,349
515 : 3,257,170
519 : 3,227,278
3,246,763
3,248,323
3,250,394
3,258,123
3,262,571
3,282,425
3,295,682
521 : 3,239,066
3,251,471
3,260,368
3,269,542
522 : 3,243,044
3,250,394
523 : 3,245,539
3,250,394
3,259,245
3,268,081
524 : 3,285,415
525 : 3,227,278
3,245,543
3,249,533
3,252,896
526 : 3,233,327
3,244,280
3,249,533
3,252,425
3,288,444
3,291,316
3,295,835
530 : 3,235,083
3,275,149
532 : 3,227,167
3,234,123
3,239,066
3,239,067
3,240,339
3,240,343
3,244,280
3,275,157
3,282,425
3,282,436
3,285,415
3,287,263
533 : 3,259,246
534 : 3,268,079
535 : 3,236,384
3,291,315
537 : 3,233,731
538 : 3,278,027
539 : 3,231,090
3,239,067
3,260,371
3,278,041
3,279,606
540 : 3,244,284
3,246,757
3,256,800
3,259,246
3,262,571

540 : 3,278,041
541 : 3,233,733

Class 211

1 : 3,228,532
3,245,737
3,261,616
3,282,230
.2 : 3,239,178
.5 : 3,231,095
.5 : 3,255,890
.5 : 3,283,914
4 : 3,266,765
3,289,443
7 : 3,283,914
8 : 3,266,684
10 : 3,269,788
3,295,697
11 : 3,275,158
12 : 3,295,694
13 : 3,229,825
3,233,743
3,233,753
3,239,177
3,240,167
3,259,348
3,259,428
3,264,462
3,291,296
3,292,793
3,295,696
14 : 3,231,993
3,236,519
3,265,430
3,276,807
3,281,883
23 : RE.26,068
31 : 3,259,429
33 : 3,276,734
35 : 3,254,354
37 : 3,281,029
39 : 3,238,001
40 : 3,245,736
3,247,424
3,254,927
3,292,930
41 : 3,227,282
3,233,753
3,245,548
3,252,582
3,271,626
3,288,155
3,289,683
42 : 3,262,667
3,295,694
43 : 3,228,648
3,269,547
3,285,429
3,295,697
45 : 3,245,411
46 : 3,266,496
47 : 3,295,696
49 : 3,231,103
3,248,156
3,265,224
3,265,246
3,273,823
3,276,830
3,287,073
3,291,544
50 : 3,263,347
3,263,355
51 : 3,267,546
52 : 3,244,288
55 : 3,236,371
3,251,464
3,252,678
3,255,987
3,266,688
3,267,503
58 : 3,238,001
59 : 3,244,445
3,250,405
3,252,678
3,255,987
3,266,688
60 : 3,227,503
3,228,854
3,233,951
3,242,704
3,248,027
3,255,090
3,256,872
3,261,660
3,265,138
3,267,254
3,268,087
3,275,274
3,276,459
3,277,676
3,291,427
3,292,885
63 : 3,273,769
64 : 3,266,633
3,286,967
3,291,317

65 : 3,280,987
3,289,851
66 : 3,245,547
69 : 3,236,366
3,270,416
3,273,701
3,273,846
71 : 3,240,458
3,279,618
3,279,732
72 : 3,245,572
73 : 3,233,940
3,278,148
3,289,829
74 : 3,231,244
3,233,804
3,250,303
3,255,987
3,261,380
3,266,533
3,286,848
3,295,671
75 : 3,259,445
77 : 3,266,298
78 : 3,228,627
3,269,683
3,275,159
80 : 3,259,748
83 : 3,235,213
86 : 3,239,182
3,255,890
3,255,987
3,259,373
3,268,133
3,278,247
3,288,544
3,291,434
3,291,521
87 : D206,639
88 : 3,239,272
3,243,047
3,244,387
89 : 3,245,675
3,262,579
3,281,066
90 : 3,227,502
3,284,040
3,286,976
3,288,303
3,290,846
94 : 3,244,467
.5 : 3,254,891
.5 : 3,269,548
.5 : 3,288,302
95 : 3,243,047
3,254,891
104 : 3,285,423
105.1 : 3,260,021
.1 : 3,282,548
.1 : 3,291,430
.3 : 3,247,628
106 : 3,295,471
107 : 3,263,356
111 : 3,243,152
113 : 3,228,738
3,280,986
3,288,417
119 : 3,265,246
3,270,892
3,276,400
3,281,102
3,231,103
3,232,442
3,235,038
3,240,505
3,249,236
3,251,521
3,252,469
3,258,236
3,276,545
3,265,554
3,268,090
3,270,899
3,295,705
3,227,290
3,250,400
3,252,583
122 : 3,228,533
3,229,790
3,230,595
3,240,862
3,244,290
3,246,768
3,248,077
3,255,721
3,258,128
3,268,089

133 : 3,244,128
134 : 3,248,828
3,280,527
3,289,615
135 : 3,245,736
3,269,139
3,281,104
3,290,107
144 : 3,243,050
3,266,857
3,291,319
148 : 3,228,533
3,229,790
3,229,822
3,229,824

Class 212

2 : 3,231,035
3,278,925
3 : 3,254,775
3,258,249
4 : 3,281,880
3,283,923
6 : 3,247,975
8 : 3,233,759
3,239,080
3,247,987
3,259,258
3,275,296
3,276,610
9 : 3,243,061
10 : 3,276,743
11 : 3,227,290
3,269,562
12 : 3,277,616
13 : 3,245,551
3,252,586
3,257,968
3,262,580
14 : 3,241,686
3,244,297
3,247,974
3,251,496
3,252,603
15 : 3,244,297
3,254,775
3,266,637
17 : 3,245,355
3,262,593
18 : 3,277,839
19 : 3,245,550
20 : 3,252,589
21 : 3,237,780
3,244,293
145 : 3,237,781
3,244,301
3,256,998
3,261,476
3,263,837
35 : 3,228,534
3,236,391
3,240,279
3,249,235
3,249,336
3,259,251
3,265,218
3,265,219
3,265,220
3,268,090
3,270,899
3,232,442
3,244,288
3,252,434
3,252,583
182 : 3,228,533
3,229,790
3,230,595
3,240,862
3,244,290
3,246,768
3,248,077
3,255,721
3,258,128
3,268,089

64 : 3,250,400
3,258,130
3,259,250
3,266,637
66 : 3,237,462
3,266,647
67 : 3,236,393
3,247,974
68 : 3,250,400
3,253,724
69 : 3,250,401
3,261,476
71 : 3,249,237
74 : 3,244,291
76 : 3,247,933
81 : 3,269,562
83 : 3,231,112
86 : 3,262,581
92 : 3,247,933
124 : 3,257,968
126 : 3,271,645
3,276,602
127 : 3,260,375
128 : 3,247,974
3,255,499
130 : 3,277,539
132 : 3,233,746
3,265,360
3,277,839
138 : 3,237,780
141 : 3,252,586
3,257,968
142 : 3,261,477
144 : 3,228,534
3,228,535
3,235,097
3,237,353
3,243,052
3,244,292
3,246,769
3,247,976
3,249,234
3,250,401
3,252,585
3,254,780
3,259,250
3,260,373
3,260,374
3,261,476
3,265,218
3,276,695
3,280,519
3,280,520
3,281,780
3,284,293
3,290,131
41 : 3,239,072
46 : 3,233,375
3,240,353
3,245,551
3,250,401
3,265,360
3,266,598
3,266,637
3,285,594
43 : 3,232,443
3,237,574
3,246,866
3,250,525
3,291,475
45 : 3,227,288
47 : 3,245,552
49 : 3,233,747
50.5 : 3,246,770
57 : 3,286,659
61 : 3,233,748
3,240,354
62 : 3,285,441
64 : 3,246,770
67 : 3,239,073
69 : 3,239,073
74 : 3,283,916
75 : 3,249,239
76 : 3,251,480
3,255,891
142 : 3,289,856
145 : 3,258,132
162 : 3,289,857
166 : 3,227,289
169 : 3,291,320

171 : 3,227,289
176 : 3,289,856
211 : 3,289,856
212 : 3,263,823
3,280,990
219 : 3,232,444
3,232,445
3,239,074
3,239,075
3,279,623
3,289,857
3,291,320
220 : 3,284,122
221 : 3,241,875
3,265,222
223 : 3,237,574
3,237,783
3,240,355
3,249,240
3,251,481
3,275,164
224 : 3,262,399

Class 214

1 : 3,227,070
3,228,364
3,229,345
3,229,837
3,230,969
3,231,118
3,231,132
3,232,225
3,232,243
3,232,366
3,232,410
3,233,718
3,235,057
3,236,400
3,237,708
3,237,753
3,239,022
3,239,052
3,239,053
3,239,088
3,239,944
3,241,380
3,241,688
3,242,548
3,242,782
3,242,964
3,243,875
3,243,987
3,244,303
3,245,130
3,245,135
3,245,270
3,245,317
3,245,595
3,246,616
3,246,780
3,247,532
3,247,675
3,247,963
3,248,222
3,248,356
3,248,565
3,248,856
3,249,239
3,249,515
3,273,727
3,275,296
3,276,222
3,276,356
3,276,565
3,278,199
3,280,995
3,281,118
3,282,079

Class 214—Con.

1 : 3,282,359
3,282,394
3,282,586
3,283,151
3,283,881
3,284,888
3,284,964
3,285,079
3,285,390
3,286,857
3,287,877
3,289,485
3,291,282
3,291,422
3,292,799
3,295,389
.2 : 3,266,348
.4 : 3,270,379
.5 : 3,267,708
.6 : 3,236,131
.6 : 3,273,453
2 : 3,231,035
3,232,453
3,239,238
3,250,338
3,263,762
3,263,971
.5 : 3,255,901
.5 : 3,265,138
.5 : 3,266,582
.5 : 3,270,823
.5 : 3,278,236
.5 : 3,280,920
3 : 3,265,428
3,289,865
3,292,320
5.5 : 3,229,831
.5 : 3,258,141
.5 : 3,283,856
.5 : 3,292,962
6 : 3,228,513
3,228,541
3,233,719
3,233,891
3,241,286
3,241,289
3,242,548
3,257,015
3,260,191
3,267,530
3,269,089
3,269,565
3,270,630
3,273,725
3,276,605
3,279,600
3,281,146
3,288,038
3,288,269
3,288,312
3,289,382
3,289,814
3,289,815
3,291,010
3,292,310
3,292,783
.5 : 3,267,531
7 : 3,240,356
3,249,202
3,279,664
8.5 : 3,228,538
.5 : 3,231,101
.5 : 3,233,890
.5 : 3,240,358
.5 : 3,245,557
.5 : 3,246,773
.5 : 3,247,982
.5 : 3,249,242
.5 : 3,256,008
.5 : 3,259,417
.5 : 3,266,053
.5 : 3,269,565
.5 : 3,273,725
.5 : 3,273,751
.5 : 3,279,664
.5 : 3,282,398
.5 : 3,285,389
.5 : 3,285,606
.5 : 3,291,323
10 : 3,233,877
.5 : 3,228,711
.5 : 3,238,589
.5 : 3,243,220
.5 : 3,246,744
.5 : 3,283,893
.5 : 3,283,992
11 : 3,233,719
3,233,720
3,240,918
3,242,342
3,250,377
3,260,349
11 : 3,263,776
3,274,852
3,279,600
3,286,811
13 : 3,261,176
14 : 3,228,051
3,251,332
15 : 3,228,534
3,232,633
3,261,176
3,261,316
3,280,777
16 : 3,228,539
3,229,791
3,233,557
3,239,927
3,240,356
3,240,546
3,244,298
3,246,772
3,247,929
3,252,595
3,252,603
3,254,376
3,260,353
3,262,584
3,265,186
3,269,562
3,276,564
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3,288,309
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.1 : 3,280,992
.12: 3,236,577
.4 : 3,227,291
.4 : 3,237,789
.4 : 3,239,076
.4 : 3,239,077
.4 : 3,239,088
.4 : 3,245,129
.4 : 3,251,620
.4 : 3,252,200
.4 : 3,255,897
.4 : 3,258,145
.4 : 3,263,777
.4 : 3,263,831
.4 : 3,266,616
.4 : 3,287,921
.4 : 3,288,274
.4 : 3,291,280
.6 : 3,288,057
17 : 3,228,514
3,229,665
3,230,017
3,232,419
3,232,494
3,233,337
3,234,913
3,239,279
3,241,333
3,242,905
3,245,590
3,248,117
3,249,970
3,250,694
3,251,292
3,252,444
3,254,755
3,256,615
3,259,325
3,269,517
3,270,896
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3,280,996
.4 : 3,235,339
18 : 3,232,840
3,233,873
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3,262,420
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3,271,263
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3,293,136
.2 : 3,244,494
19 : 3,237,785
21 : 3,263,338
27 : 3,295,843
34 : 3,239,088
35 : 3,239,593
3,261,345
3,276,756
38 : 3,228,540
3,235,285
3,239,237
3,241,696
3,252,608
3,261,650
3,273,731
38 : 3,280,725
41 : 3,229,622
3,231,107
3,250,414
3,253,577
3,257,004
3,261,486
3,266,645
3,276,605
3,285,365
42 : 3,246,774
3,252,593
3,275,117
44 : 3,268,053
45 : 3,265,232
46 : 3,261,486
53 : 3,254,779
55 : 3,274,845
59 : 3,231,112
60 : 3,274,920
61 : 3,279,435
62 : 3,231,066
3,265,190
63 : 3,227,100
3,251,487
64.2 : 3,269,039
75 : 3,288,310
3,291,261
3,295,881
77 : 3,233,758
3,251,497
3,253,716
3,259,258
3,270,899
3,276,059
78 : 3,254,781
3,273,732
80 : 3,275,367
3,282,451
82 : 3,229,618
3,229,622
3,229,829
3,230,868
3,233,760
3,240,370
3,241,696
3,252,600
3,285,440
3,289,572
83 : 3,263,836
3,278,199
.1 : 3,230,717
.1 : 3,236,393
.1 : 3,244,299
.1 : 3,273,667
.14: 3,275,176
.14: 3,278,062
.14: 3,286,862
.18: 3,229,834
.2 : 3,228,539
.2 : 3,240,366
.22: 3,240,370
.22: 3,250,408
.26: 3,254,754
.26: 3,255,899
.26: 3,258,141
.26: 3,263,836
.26: 3,263,844
.26: 3,265,253
.26: 3,268,052
.26: 3,282,456
.26: 3,292,804
.28: 3,248,026
.28: 3,260,414
.28: 3,269,099
.28: 3,282,515
.3 : 3,228,545
.3 : 3,232,463
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.3 : 3,237,787
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Class 215

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Class 217

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Class 219—Con.

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3,267,662
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48 : 3,232,474
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3,248,003
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52 : 3,273,234
53 : 3,235,069
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3,262,611
3,276,616
3,281,024
3,281,982
3,292,828
54 : 3,239,112
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3,262,632
3,266,676
3,273,737
3,289,289
3,289,893
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55 : 3,229,618
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3,245,575
3,245,708
3,251,461
3,255,607
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3,257,157
3,258,151
3,259,410
69 : 3,268,199
3,283,765
70 : 3,236,403
3,240,384
3,259,296
3,279,640
3,291,363
71 : 3,228,549
3,229,050
3,246,394
3,246,788
3,256,657
3,283,348
3,285,628
81 : 3,229,050
3,235,121
3,240,379
3,241,701
3,244,312
3,246,793
63 : 3,226,896
3,228,550
3,231,093
3,231,338
3,231,339
3,233,302
3,241,700
3,259,147
3,259,268
3,262,628
3,268,103
3,275,798
3,277,220
3,281,226
3,285,461
3,291,333
64 : 3,236,688
3,241,545
3,244,313
3,249,459
3,268,344
3,268,620
3,285,227
3,295,541
3,295,709
3,296,037
65 : D203,942
3,249,070
3,260,038
66 : 3,229,847
3,231,152
3,237,910
3,246,394
3,251,529
3,259,267
67 : 3,228,552
3,230,093
3,233,819
3,243,075
3,245,575
3,279,640
3,282,498
3,288,342
3,295,485
68 : 3,237,802
3,269,732
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70 : 3,236,403
3,240,384
3,259,296
3,279,640
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71 : 3,228,549
3,229,050
3,246,394
3,246,788
3,256,657
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3,285,628
81 : 3,229,050
3,235,121
3,240,379
3,241,701
3,244,312
3,246,793
72 : 3,229,886
3,236,403
3,251,460
3,256,806
3,256,975
3,262,701
3,264,120
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3,268,108
3,276,176
73 : 3,233,644
3,236,403
3,256,069
3,259,266
3,269,732
74 : 3,229,886
3,233,813
3,241,853
3,250,419
3,250,429
3,268,144
3,291,361
3,295,340
76 : 3,243,075
3,265,349
3,290,853
77 : 3,268,344
79 : 3,255,918
80 : 3,241,701
3,261,493
3,266,656
3,276,657
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3,285,628
81 : 3,229,050
3,235,121
3,240,379
3,241,701
3,244,312
3,246,793

Class 220—Con.

81 : 3,258,369
3,270,910
3,283,348
3,286,870
82 : 3,238,574
3,240,425
3,241,369
3,248,946
3,269,578
3,276,488
3,276,614
3,285,458
.5 : 3,270,911
83 : 3,228,187
3,228,550
3,230,122
3,233,774
3,233,993
3,236,373
3,236,410
3,239,092
3,240,644
3,241,700
3,250,419
3,250,429
3,251,500
3,252,610
3,256,069
3,260,398
3,261,493
3,265,235
3,266,660
3,270,905
3,274,671
3,279,796
3,280,567
3,280,775
3,280,850
84 : 3,228,736
3,229,386
3,231,084
3,231,247
3,243,245
3,266,706
3,276,831
3,276,832
85 : 3,228,702
3,239,010
3,255,824
3,257,180
3,259,279
3,259,416
3,260,381
3,261,635
3,262,618
3,262,626
3,275,129
3,275,418
3,285,418
3,288,168
3,288,321
86 : 3,250,420
3,251,500
3,252,635
3,276,620
3,289,711
87 : 3,229,914
88 : 3,238,027
3,248,188
3,277,812
3,285,711
3,287,094
89 : 3,228,334
3,229,635
3,247,859
3,268,009
3,269,402
3,283,960
3,292,826
90 : 3,252,635
3,275,129
.2 : 3,240,348
.2 : 3,257,025
.2 : 3,263,855
.2 : 3,289,827
.2 : 3,295,715
.6 : 3,281,024
91 : 3,275,366
93 : 3,233,912
3,245,555
3,256,977
3,263,806
3,273,608
3,273,741
3,275,133
3,285,505
94 : 3,232,476
3,233,953
3,237,552
3,244,148
3,251,460
3,259,262
94 : 3,265,250
3,269,586
3,270,909
3,285,454
3,286,877
95 : 3,228,319
3,261,053
3,268,107
96 : 3,275,366
97 : D204,781
D204,782
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3,231,074
3,232,512
3,233,812
3,235,164
3,237,800
3,239,069
3,240,385
3,240,610
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3,250,564
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3,285,694
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106 : 3,286,833
110 : 3,251,521
112 : 3,229,892
3,252,649
3,253,771
3,257,053
3,257,066
3,276,661
3,283,990
113 : 3,232,517
3,260,361
3,263,893
3,269,531
3,275,218
115 : 3,248,036
3,258,190
3,266,389
3,269,636
3,283,989
116 : 3,253,706
3,257,064
3,285,410
232 : 3,292,324
304 : 3,236,545
385 : 3,295,726

Class 221

1 : 3,243,183
3,263,840
2 : 3,227,127
3,233,777
4 : 3,258,157
6 : 3,231,129
3,231,323
3,253,736
3,254,792
3,260,402
3,263,859
3,273,748
3,279,650
8 : 3,237,744
9 : 3,253,734
3,273,230
3,286,881
10 : 3,228,431
3,250,277
10 : 3,268,056
3,282,464
11 : 3,231,102
12 : 3,251,447
13 : 3,246,773
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3,265,223
3,276,565
3,276,580
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14 : 3,273,748
15 : 3,231,129
3,246,797
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3,295,716
16 : 3,291,338
18 : 3,262,603
19 : 3,247,940
21 : 3,232,400
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22 : 3,260,404
25 : 3,236,087
3,239,117
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26 : 3,285,406
30 : 3,260,404
33 : 3,248,006
36 : 3,243,076
40 : 3,276,622
41 : 3,260,402
44 : 3,228,554
3,258,155
46 : 3,245,580
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47 : 3,259,270
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48 : 3,248,102
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52 : 3,291,339
53 : 3,269,592
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56 : 3,259,270
58 : 3,244,317
59 : 3,291,339
61 : 3,233,777
63 : 3,233,777
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64 : 3,249,278
67 : 3,248,007
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68 : 3,279,649
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70 : 3,283,886
74 : 3,233,729
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75 : 3,248,005
3,273,748
76 : 3,235,056
77 : 3,287,074
80 : 3,233,536
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81 : 3,227,501
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82 : 3,291,035
87 : 3,292,878
88 : 3,263,840
90 : 3,243,894
3,261,499
92 : 3,251,188
93 : 3,229,613
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3,292,819
96 : 3,232,215
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100 : 3,242,930
106 : 3,227,501
3,237,804
3,258,154
112 : 3,231,129
3,237,804
3,284,147
113 : 3,242,931
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113 : 3,266,642
116 : 3,263,856
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119 : 3,263,857
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124 : 3,278,077
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125 : 3,240,386
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137 : 3,247,940
145 : 3,258,157
147 : 3,292,817
150 : 3,227,501
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152 : 3,228,554
154 : 3,276,457
155 : 3,228,553
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156 : 3,235,125
3,258,106
3,275,121
157 : 3,276,565
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158 : 3,261,442
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164 : 3,290,857
165 : 3,260,403
166 : 3,268,114
167 : 3,275,120
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168 : 3,269,594
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169 : 3,295,659
171 : 3,253,734
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172 : 3,260,336
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173 : 3,253,735
3,279,649
174 : 3,260,403
3,266,642
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175 : 3,282,464
3,288,330
176 : 3,288,331
178 : 3,245,419
179 : 3,255,767
180 : 3,248,008
183 : 3,268,114
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185 : 3,233,777
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3,283,954
186 : 3,243,183
3,260,402
186 : 3,279,649
187 : Re.26,002
190 : 3,243,081
191 : 3,254,792
3,269,596
193 : 3,295,998
194 : 3,243,134
3,250,432
3,256,634
195 : 3,263,860
3,269,595
197 : 3,228,553
3,243,081
3,256,634
198 : 3,254,794
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3,270,915
199 : 3,256,634
3,269,595
200 : 3,253,739
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201 : 3,244,320
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203 : 3,248,789
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204 : 3,288,330
205 : 3,246,773
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206 : 3,273,230
208 : 3,286,879
209 : 3,231,102
210 : 3,228,431
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211 : 3,237,753
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3,275,189
212 : 3,269,514
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213 : 3,251,448
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214 : 3,283,952
217 : 3,249,198
219 : 3,275,190
221 : 3,258,154
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222 : 3,241,710
3,295,998
224 : 3,257,002
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225 : 3,237,370
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232 : 3,237,745
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3,265,245
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234 : 3,240,387
236 : 3,244,320
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237 : 3,227,307
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238 : 3,231,108
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247 : 3,227,322
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261 : 3,239,098
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263 : 3,232,621
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264 : 3,244,321
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265 : 3,240,387
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266 : 3,243,081
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268 : 3,226,811
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274 : 3,233,778
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275 : 3,283,868
276 : 3,232,215
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276 : 3,276,457
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277 : 3,232,479
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278 : 3,248,789
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279 : 3,250,431
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281 : 3,248,007
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295 : 3,231,129
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296 : 3,268,115
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297 : 3,247,940
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299 : 3,268,115
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301 : 3,276,625
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311 : 3,265,246
312 : 3,228,555
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Class 222

1 : 3,240,396
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2 : 3,233,712
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3,255,339
3,267,843
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3,285,381
3 : 3,228,572
3,245,583
3,256,907
3,257,180
3,268,184
3,283,962
3,288,197
3,289,801
5 : 3,227,309

5 : 3,255,824
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3,291,343
3,292,821
20 : 3,242,924
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23 : 3,255,771
3,260,409
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25 : 3,252,620
26 : 3,232,483
27 : 3,244,323
30 : 3,244,323
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31 : 3,228,557
35 : 3,236,415
36 : 3,240,389
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37 : 3,231,135
38 : 3,252,654
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39 : 3,227,002
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41 : 3,227,375
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48 : 3,228,557
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51 : 3,242,474
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52 : 3,237,806
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53 : 3,228,452
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55 : 3,228,434
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56 : 3,234,913
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64 : 3,228,557
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67 : 3,231,134
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572 : 3,239,199
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574 : 3,246,854
575 : 3,240,401
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735.9 : 3,239,385
Class 223
12 : 3,264,392
21 : 3,264,392
24 : 3,254,757
34 : 3,242,601
37 : 3,269,563
43 : 3,231,158
3,242,524
3,267,698
46 : 3,229,308
61 : 3,284,827
63 : 3,276,053
66 : 3,241,163
3,246,422
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68 : 3,279,736
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69 : 3,237,778
3,273,765
70 : 3,256,623
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3,268,126
73 : 3,253,349
76 : 3,271,220
3,279,944
84 : 3,269,618
85 : 3,289,985
87 : D205,428
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3,244,334
3,252,565
88 : D205,113
88 : 3,237,820
91 : 3,239,902
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92 : D206,303
93 : 3,281,908
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96 : 3,229,871
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99 : 3,291,084
101 : 3,228,033
102 : 3,229,484
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107 : 3,259,335
109 : 3,283,976
112 : 3,231,158
113 : 3,268,088
118 : 3,261,114
Class 224
1 : 3,255,552
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2 : 3,268,922
4 : 3,237,395
5 : 3,226,825
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3,255,552
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9 : 3,246,644
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15 : 3,283,954
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25 : 3,233,803
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26 : 3,231,901
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28 : 3,226,825
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29 : 3,233,913
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37 : 3,263,880
39 : 3,237,899
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.06: 3,251,520
.08: 3,273,767
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.1 : 3,279,636
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.32: 3,265,261
.32: 3,266,765
.34: 3,263,880
.39: 3,257,051
.4 : 3,240,407
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.41: 3,251,520
.41: 3,252,637
.41: 3,259,423
.41: 3,279,636
.43: 3,268,133
.44: 3,251,520
.45: 3,227,410
.45: 3,249,171
.45: 3,275,161
.45: 3,286,892
.45: 3,295,669
.45: 3,295,732
.46: 3,229,946
.46: 3,261,521
.46: 3,268,133
43 : 3,256,919
45 : 3,236,388
45 : 3,266,605
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46 : 3,228,577
3,273,767
47 : 3,227,471
48 : 3,228,577
3,273,770
49 : 3,262,283
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50 : 3,245,411
3,260,430
55 : 3,259,285
311 : 3,278,148
Class 225
1 : 3,247,576
3,269,870
2 : 3,230,625
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3,289,289
8 : 3,246,797
10 : 3,237,595
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16 : 3,255,941
21 : 3,227,340
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25 : 3,273,772
34 : 3,255,941
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39 : 3,239,117
40 : 3,266,689
41 : 3,231,162
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42 : 3,259,287
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43 : 3,281,032
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44 : 3,228,579
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46 : 3,237,826
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47 : 3,227,341
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54 : 3,227,341
65 : 3,228,579
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74 : 3,232,505
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77 : 3,231,162
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94 : 3,261,522
96 : 3,263,882
3,265,263

Class 225 – Con.

96 : 3,283,974
3,289,289
.5 : 3,232,504
.5 : 3,233,443
.5 : 3,237,493
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.5 : 3,282,140
.5 : 3,286,893
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99 : 3,235,149
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102 : 3,268,137
103 : 3,235,149
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104 : 3,283,974
105 : 3,244,336
106 : 3,231,164
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3,291,354

Class 226

2 : 3,266,351
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3 : 3,285,446
4 : 3,231,167
5 : 3,274,038
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7 : 3,227,017
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8 : 3,279,370
9 : 3,251,112
10 : 3,278,939
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15 : 3,243,978
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19 : 3,244,418
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20 : 3,232,547
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21 : 3,247,045
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22 : 3,240,410
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23 : 3,243,978
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24 : 3,258,213
25 : 3,260,144
26 : 3,276,191
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36 : 3,279,665
37 : 3,235,932
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38 : 3,273,818
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42 : 3,239,118
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86 : 3,240,116
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169 : 3,241,831
170 : 3,230,634
3,238,826
3,260,471
3,283,980
3,293,013
171 : 3,281,042
3,287,013
3,289,906
3,293,013
172 : 3,227,344
3,239,214
3,242,527
3,246,820
3,251,253
3,256,558
3,265,265
3,265,267
3,266,690
3,266,799
3,271,025
3,293,013
173 : 3,229,924
3,240,412
3,246,816
3,256,558
3,285,485
3,289,304
174 : 3,237,830
175 : 3,231,265
176 : 3,227,344
3,238,032
3,246,822
3,251,048
3,262,699
3,263,284
3,265,270
3,279,668
3,289,906
178 : 3,265,476
3,286,897
179 : 3,235,934
3,266,416
3,289,189
180 : 3,246,822
3,254,818
3,260,470
3,269,625
3,269,626
3,279,668
3,288,386
181 : 3,233,807
3,242,518
3,251,048
3,261,022
3,262,623
3,265,385
3,269,300
3,269,625
3,281,042
3,283,631
3,285,486
3,292,444
182 : 3,261,523
3,262,622
183 : 3,235,195
3,252,415
3,262,622
3,265,355
185 : 3,247,126
186 : 3,261,523
3,282,486
187 : 3,235,195
3,243,134
3,248,066
3,251,341
3,254,820
3,258,263
3,263,284
3,265,271
3,269,626
3,279,668
188 : 3,237,831
3,239,119
188 : 3,239,120
3,243,244
3,243,845
3,244,023
3,249,276
3,251,563
3,262,622
3,265,270
3,270,931
3,274,870
3,275,208
3,276,650
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3,281,041
3,282,485
3,286,897
3,287,013
3,288,386
3,291,408
3,293,477
189 : 3,229,878
3,235,152
3,242,518
3,243,089
3,247,045
3,259,468
3,265,271
3,265,385
3,282,304
190 : 3,233,807
3,235,152
3,237,831
3,254,851
3,257,056
3,265,270
3,265,272
3,265,385
3,278,099
3,280,717
3,282,486
3,285,610
3,286,895
3,286,898
191 : 3,252,163
3,265,481
192 : 3,260,390
193 : 3,240,442
3,253,758
3,265,481
3,265,482
3,281,038
3,289,906
194 : 3,233,807
3,252,668
3,258,263
3,261,523
3,262,622
3,264,970
3,268,956
3,269,626
3,279,668
3,282,485
3,285,610
195 : 3,227,342
3,227,344
3,231,240
3,231,668
3,237,831
3,245,634
3,246,818
3,252,415
3,254,373
3,254,818
3,258,183
3,259,288
3,265,271
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3,270,933
3,270,935
3,273,774
3,273,818
3,278,100
3,283,629
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3,286,897
3,293,013
196 : 3,240,441
3,245,593
3,248,515
3,249,276
3,253,798
3,262,622
3,267,556
3,268,222
3,279,669
3,281,040
3,281,042
3,283,631
3,289,904
3,292,836
197 : 3,281,039
197 : 3,285,446
198 : 3,227,342
3,265,320
3,269,626
3,276,651
3,284,995
199 : 3,227,346
3,229,045
3,229,881
3,243,089
3,244,340
3,266,692
3,268,140
3,268,956
3,269,627
3,270,973
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3,278,130
3,280,308
3,281,957
3,288,259
3,289,803
3,289,908
200 : 3,285,446

Class 227

2 : 3,245,203
3 : 3,291,356
4 : 3,249,278
6 : 3,278,105
7 : 3,263,887
3,288,339
9 : 3,285,131
3,292,363
10 : 3,235,944
3,250,451
3,251,216
3,255,942
3,257,724
11 : 3,248,032
18 : 3,237,832
3,279,671
3,292,837
19 : 3,252,643
3,261,085
3,269,630
3,269,631
3,275,211
3,278,107
40 : 3,249,278
3,263,887
45 : 3,265,274
48 : 3,249,278
50 : 3,265,274
55 : 3,281,044
57 : 3,257,715
60 : 3,250,450
62.5 : 3,292,626
63 : 3,250,308
3,266,690
73 : 3,281,044
76 : 3,235,949
3,257,711
3,281,045
77 : 3,289,909
80 : 3,256,965
82 : 3,291,358
85 : 3,233,810
93 : 3,256,965
95 : 3,243,092
96 : 3,230,758
97 : 3,241,225
100 : 3,233,810
3,245,203
3,281,045
102 : 3,235,153
103 : 3,265,274
105 : 3,266,695
106 : 3,257,058
108 : 3,245,203
3,279,673
109 : 3,281,046
111 : 3,286,649
112 : 3,258,835
113 : 3,292,837
115 : 3,292,837
116 : 3,265,273
118 : 3,233,752
3,236,432
119 : 3,283,985
120 : 3,238,983
3,245,203
3,275,211
3,278,107
3,278,207
3,289,910
3,291,358
124 : 3,244,342
129 : 3,245,596
130 : 3,231,168
3,252,641
3,253,760
3,259,292
3,261,526
130 : 3,261,527
3,267,573
3,278,106
131 : 3,243,093
3,251,524
3,278,101
3,280,921
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132 : 3,243,093
133 : 3,238,983
136 : 3,232,511
3,259,292
3,279,673
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137 : 3,261,526
138 : 3,245,596
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141 : 3,279,046
144 : 3,266,699
147 : 3,245,596
3,261,085
3,281,046
152 : 3,238,867
3,244,091
3,252,643
3,261,527
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3,276,653
153 : 3,231,169
3,238,546
3,244,342
154 : 3,252,642
3,273,776
3,279,672
155 : 3,266,699
156 : 3,266,695
3,286,821
3,291,356

Class 228

1 : 3,234,641
3,242,029
3,249,281
3,254,402
3,256,051
3,257,721
3,266,136
2 : 3,234,644
3,269,002
3,273,233
3 : 3,289,452
4 : 3,242,561
3,259,964
3,284,885
3,291,962
5 : 3,251,978
3,277,567
6 : 3,233,074
3,236,617
3,271,555
7 : 3,267,251
8 : 3,235,160
3,235,161
3,247,586
9 : 3,267,570
3,281,047
10 : 3,266,700
13 : 3,254,402
3,266,700
3,283,987
3,286,342
15 : 3,244,344
3,267,570
3,280,609
16 : 3,280,609
17 : 3,236,083
3,260,438
18 : 3,251,332
3,258,952
3,266,700
3,269,005
3,283,987
3,287,536
19 : 3,260,439
25 : 3,247,586
3,281,047
3,283,987
27 : 3,283,987
28 : 3,244,344
3,252,644
29 : 3,239,921
3,266,700
3,266,701
3,277,567
30 : 3,258,952
31 : 3,226,821
32 : 3,241,229
3,283,987
3,286,342

33 : 3,239,103
34 : 3,236,992
35 : 3,282,491
36 : 3,226,821
3,263,314
3,282,491
37 : 3,266,136
3,277,566
3,291,469
41 : 3,239,103
3,249,276
3,252,644
3,256,418
3,265,276
3,266,702
3,267,249
3,283,987
42 : 3,292,254
43 : 3,236,992
3,265,276
3,266,702
44 : 3,244,344
3,250,452
3,260,438
3,263,058
3,275,794
3,283,399
3,286,342
3,289,452
45 : 3,244,345
3,247,586
3,283,987
46 : 3,237,833
3,241,736
3,283,119
47 : 3,233,074
3,247,355
3,255,856
3,257,061
3,258,952
3,260,438
3,271,555
3,291,360
48 : 3,239,209
3,241,736
3,242,561
3,255,336
3,265,276
49 : 3,236,617
3,239,209
3,253,761
3,257,060
3,259,964
3,266,700
3,266,702
3,269,632
3,280,609
3,284,883
50 : 3,227,349
3,241,736
3,251,525
3,266,820
3,275,794
3,291,438
51 : 3,264,449
52 : 3,262,622
53 : 3,235,706
3,247,355
3,261,390
3,281,576
55 : 3,238,606
3,286,076
3,287,541
56 : 3,259,971
3,267,249
3,274,331
.5 : 3,253,761
.5 : 3,267,570
57 : 3,291,476
60 : 3,251,525
3,264,729
3,265,279

Class 229

1.5 : D204,781
.5 : D204,782
.5 : D204,783
.5 : 3,234,489
.5 : 3,237,803
.5 : 3,246,786
.5 : 3,250,416
.5 : 3,261,633
.5 : 3,277,220
.5 : 3,283,939
.5 : 3,285,456
2.5 : 3,234,030
.5 : 3,234,077
.5 : 3,236,403
.5 : 3,244,313
.5 : 3,245,570
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.5 : 3,262,786
.5 : 3,264,120
2.5 : 3,264,672
.5 : 3,281,003
.5 : 3,282,458
.5 : 3,286,833
.5 : 3,288,346
3.1 : 3,231,462
.1 : 3,232,516
.1 : 3,234,030
.1 : 3,240,611
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.1 : 3,249,218
.1 : 3,251,709
.5 : 3,229,814
.5 : 3,230,093
.5 : 3,233,815
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.5 : 3,237,843
.5 : 3,240,845
.5 : 3,241,702
.5 : 3,243,070
.5 : 3,243,098
.5 : 3,243,485
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.5 : 3,246,833
.5 : 3,247,959
.5 : 3,248,040
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.5 : 3,252,155
.5 : 3,256,527
.5 : 3,256,806
.5 : 3,257,065
.5 : 3,257,228
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.5 : 3,269,639
.5 : 3,274,004
.5 : 3,274,047
.5 : 3,276,900
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.5 : 3,288,349
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.5 : 3,289,722
4.5 : 3,232,469
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.5 : 3,295,745
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6 : 3,232,513
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7 : 3,231,164
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8 : 3,248,807
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3,275,216
.5 : 3,229,902
9 : 3,254,758
10 : 3,270,938
14 : 3,227,357
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14 : 3,281,050
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3,289,829
3,291,372
3,292,778
15 : 3,227,601
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3,239,035
3,242,960
3,249,445
3,253,765
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16 : 3,227,266
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17 : 3,228,573
3,229,812
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3,258,156
3,261,532
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3,269,644
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3,279,593
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22 : 3,231,077
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3,259,153
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23 : 3,227,356
3,233,774
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27 : 3,227,266
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28 : 3,244,316
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29 : 3,234,030
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31 : 3,249,282
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33 : 3,231,171
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34 : 3,232,518
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35 : 3,273,779
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36 : 3,249,214
36 : 3,261,534
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37 : 3,227,351
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3,252,651
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38 : 3,229,888
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39 : 3,232,513
3,241,737
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40 : 3,227,356
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3,253,706
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3,257,127
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3,270,914
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41 : 3,232,480
3,234,682
3,236,434
3,242,960
3,251,532
3,253,769
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42 : 3,227,322
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43 : 3,235,166
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44 : 3,229,891
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3,231,170
3,240,325
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45 : 3,227,322
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47 : 3,233,814
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48 : 3,232,515
3,243,337
48 : 3,245,601
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49 : 3,233,820
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51 : 3,227,054
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3,259,303
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52 : 3,227,353
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53 : 3,227,137
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54 : 3,266,053
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55 : 3,263,848
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57 : 3,227,359
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57 : 3,291,376
59 : 3,248,042
60 : 3,237,534
62 : 3,233,821
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.5 : 3,243,823
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63 : 3,283,994
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65 : 3,290,854
66 : 3,246,833
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67 : 3,291,362
68 : 3,230,993
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69 : 3,228,586
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71 : 3,278,015
73 : 3,250,456
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74 : 3,250,385
75 : 3,232,423
3,242,603
85 : 3,249,288
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86 : 3,276,669
87 : 3,237,843
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89 : 3,232,469
92.1 : 3,228,586
.1 : 3,228,710
.1 : 3,229,893
.1 : 3,255,952
.3 : 3,255,869
.3 : 3,288,350
.9 : 3,249,392
.9 : 3,258,113
.9 : 3,285,397

Class 230

1 : 3,256,685
3,275,177
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3,287,883
2 : 3,251,540
3,255,955
3 : 3,244,107
3,251,534
7 : 3,235,683
9 : 3,270,729
11 : 3,251,534
3,256,823
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11 : 3,291,378
13 : 3,251,534
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15 : 3,252,554
3,253,772
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17 : 3,270,769
18 : 3,235,683
21 : 3,229,895
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22 : 3,255,955
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25 : 3,243,531
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26 : 3,255,954
27 : 3,255,954
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28 : 3,251,534
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29 : 3,285,500
30 : 3,235,683
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31 : 3,251,534
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34 : 3,271,082
40 : 3,228,587
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3,260,444
3,275,221
42 : 3,237,881
3,267,667
3,267,668
44 : 3,229,895
3,232,524
3,273,982
45 : 3,251,535
3,266,217
3,275,221
3,276,673
3,284,611
46 : 3,295,608
47 : 3,290,877
3,295,752
49 : 3,232,524
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52 : 3,257,485
55 : 3,285,075
56 : 3,229,900
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3,283,752
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57 : 3,244,598
58 : 3,229,901
3,233,822
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3,259,307
66 : 3,259,361
69 : 3,231,715
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3,233,404
3,234,736
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3,238,715
3,239,130
3,244,969
3,244,990
3,252,291
3,253,402
3,256,676
3,262,757
3,263,102
3,264,803
3,267,860
3,273,336
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3,286,531
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70 : 3,255,601
79 : 3,228,587
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3,275,222
95 : 3,241,316
3,257,180
3,261,162
101 : 3,232,031
3,245,609
3,256,676
3,275,221

Class 230—Con.

101 : 3,282,330
103 : 3,259,066
105 : 3,255,576
110 : 3,255,708
111 : 3,239,131
112 : 3,254,483
3,263,702
113 : 3,270,805
114 : 3,231,313
3,232,043
3,232,522
3,237,564
3,237,918
3,240,012
3,240,469
3,245,219
3,249,292
3,251,555
3,254,830
3,256,798
3,259,213
3,263,910
3,265,000
3,269,121
3,279,192
3,284,048
3,285,214
3,285,567
3,291,236
3,295,750
115 : 3,240,012
3,251,539
116 : 3,230,710
3,237,847
3,240,012
3,245,219
3,253,819
3,257,069
3,259,195
3,261,587
3,265,291
3,270,495
3,273,654
3,277,658
3,285,566
3,287,907
117 : 3,229,898
3,232,522
3,238,639
3,254,706
3,255,957
3,257,071
3,257,076
3,261,103
3,261,543
3,265,372
3,270,656
3,274,410
3,275,224
3,276,678
3,279,681
3,280,302
3,280,902
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118 : 3,241,743
3,275,223
119 : 3,291,535
120 : 3,229,896
3,231,022
3,231,313
3,244,235
3,261,544
3,263,906
3,265,372
3,273,788
3,283,997
122 : 3,230,702
3,231,313
3,241,313
3,241,316
3,244,400
3,246,469
3,248,043
3,248,877
3,249,293
3,249,333
3,252,282
3,253,406
3,262,635
3,270,689
3,282,053
3,285,567
3,291,382
3,295,751
123 : 3,269,111
124 : 3,257,782
125 : 3,234,921
3,236,298
3,238,725
125 : 3,241,742
3,245,399
3,250,175
3,250,457
3,251,540
3,253,356
3,253,649
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3,257,076
3,258,195
3,260,442
3,261,544
3,263,910
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3,278,112
3,279,209
3,280,901
3,280,902
3,284,611
127 : 3,229,070
3,245,611
3,255,602
3,255,793
3,257,071
3,260,443
3,281,062
3,282,260
3,289,919
3,289,920
3,291,236
3,295,749
128 : 3,231,247
3,261,543
3,279,681
129 : 3,260,046
3,279,681
3,288,355
130 : 3,243,102
3,245,610
3,255,742
3,263,908
3,263,909
3,268,155
3,273,631
3,289,922
132 : 3,231,313
3,243,102
3,244,235
3,255,957
3,269,700
3,274,757
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3,286,459
133 : 3,227,418
3,229,641
3,229,898
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3,232,522
3,238,881
3,246,605
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3,247,801
3,250,458
3,253,356
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3,260,443
3,261,297
3,262,635
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3,265,290
3,265,291
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3,270,677
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3,275,223
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3,283,995
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3,295,750
134 : 3,229,898
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3,250,457
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134 : 3,270,953
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141 : 3,231,179
3,232,523
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3,273,982
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3,285,332
143 : 3,237,524
3,260,444
3,279,682
145 : 3,229,673
3,236,187
3,238,929
3,249,094
3,253,581
3,260,135
3,264,823
3,269,369
3,270,720
3,277,873
3,279,392
3,280,802
3,284,087
3,286,699
3,286,701
3,288,119
3,288,121
3,289,650
3,289,651
3,292,601
149 : 3,282,496
150.2 : 3,290,933
152 : 3,246,574
3,250,460
3,258,198
3,263,913
3,265,009
3,270,954
3,270,955
3,295,752
158 : 3,240,157
3,240,423
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3,265,292
3,265,293
3,274,944
3,276,386
3,295,752
159 : 3,289,916
160 : 3,234,739
3,278,451
162 : 3,243,100
3,278,451
169 : 3,262,446
170 : 3,232,524
3,266,716
172 : 3,229,900
3,277,795
173 : 3,285,075
177 : 3,267,675
179 : 3,274,795
181 : 3,237,847
182 : 3,226,949
3,237,847
3,255,954
3,263,740
183 : 3,292,501
184 : 3,239,132
188 : 3,226,949
190 : 3,244,357
192 : 3,253,775
196 : 3,270,687
202 : 3,229,899
3,240,423
3,251,541
3,258,197
3,263,912
3,263,913
3,265,292
3,265,293
3,268,156
3,268,157
3,270,954
3,281,063
3,281,064
3,282,495
3,282,496
3,286,912
3,292,847
205 : 3,237,851
3,241,744
3,245,612
3,265,293
3,268,156
206 : 3,237,848
3,239,132
3,243,101
3,244,375
3,249,062
3,250,082
3,250,461
3,250,931
3,270,674
3,270,952
3,279,391
3,279,561
3,279,683
3,280,940
3,289,591
207 : 3,232,523
3,237,851
3,250,459
3,250,460
3,259,306
3,260,444
3,263,913
3,266,715
3,269,646
3,270,954
3,273,544
3,276,675
3,276,676
3,280,812
3,281,062
3,281,063
3,282,496
3,291,383
3,292,847
3,295,753
208 : 3,236,062
3,239,132
3,250,931
3,260,444
209 : 3,270,675
3,285,504
210 : 3,230,840
3,232,523
3,237,851
3,240,423
211 : 3,260,209
3,263,908
214 : 3,240,423
217 : 3,240,423
218 : 3,256,835
223 : 3,238,891
3,256,825
227 : 3,236,190
228 : 3,227,094
3,252,424
3,259,073
3,286,728
229 : 3,259,306
232 : 3,229,901
3,239,132
3,246,836
3,261,540
3,273,670
3,288,357
234 : 3,259,115
3,259,306
3,282,496
235 : 3,229,897
3,237,849
3,241,742
3,243,100
3,243,102
3,248,044
3,250,461
3,253,776
3,273,788
3,276,678
3,279,093
3,279,683
3,291,385
3,292,884
237 : 3,289,916
3,295,748
238 : 3,282,496
3,289,649
240 : 3,228,317
3,270,805
243 : 3,295,886
246 : 3,264,016
249 : 3,284,148
256 : 3,228,260
258 : 3,288,358
259 : 3,251,307
3,263,910
3,276,675
269 : 3,259,101
270 : 3,265,047
271 : 3,228,382
3,266,471
273 : 3,237,849
3,258,200

Class 231

2 : 3,292,578

Class 232

1 : 3,255,894
4 : 3,295,247
3,295,755
5 : 3,229,700
3,242,931
3,290,796
15 : 3,268,158
3,292,849
16 : 3,239,046
3,263,943
17 : 3,235,119
3,263,905
29 : 3,243,104
33 : 3,263,352
39 : 3,243,104
43.1 : 3,279,432
.2 : 3,235,875
.2 : 3,260,038
.2 : 3,261,441
.2 : 3,273,840
.3 : 3,231,323
.3 : 3,248,911
.3 : 3,249,294
44 : 3,237,853
3,244,359
57 : 3,234,842
.5 : 3,241,751
.5 : 3,249,193
.5 : 3,260,338
.5 : 3,261,443
61 : 3,256,968
63 : 3,258,098

Class 233

1 : 3,231,185
3,244,363
3,257,235
3,281,067
2 : 3,240,003
3,260,369
3,273,324
4 : 3,248,045
5 : 3,256,993
7 : 3,229,917
3,244,360
3,248,323
3,285,506
3,285,702
10 : 3,244,360
3,273,631
3,279,612
3,279,613
11 : 3,246,688
3,255,805
3,268,078
3,273,631
3,274,756
3,289,925
13 : 3,269,647
3,273,789
3,289,925
14 : 3,228,593
3,228,594
3,248,323
15 : 3,233,880
3,255,805
17 : 3,251,542
18 : 3,269,546
3,291,693
19 : 3,231,182
3,233,535
3,273,790
20 : 3,244,363
3,257,073
21 : 3,231,184
3,231,185
3,244,360
3,244,362
3,292,937
22 : 3,240,003
3,243,106
3,255,805
3,268,159
3,273,324
3,275,142
22 : 3,276,679
3,279,687
3,279,688
23 : 3,257,235
24 : 3,239,136
3,240,425
3,289,925
25 : 3,231,181
3,233,735
26 : 3,229,384
3,231,244
3,233,825
3,235,173
3,244,363
3,249,295
3,291,693
27 : 3,231,181
3,235,173
3,239,136
3,240,425
3,246,026
3,248,045
3,270,563
3,276,591
3,281,067
28 : 3,244,360
3,251,542
3,255,959
3,256,986
3,269,546
3,276,679
3,289,925
29 : 3,250,462
3,279,686
31 : 3,231,182
3,231,183
3,235,174
3,254,832
32 : 3,234,993
33 : 3,282,031
3,285,507
3,288,360
40 : 3,243,105
45 : 3,228,592
3,288,361
46 : 3,228,595
3,231,184
3,256,986
3,268,159
3,275,142
3,279,689
47 : 3,228,598
3,237,854
3,246,837
3,248,045

Class 234

4 : 3,245,614
6 : 3,258,201
7 : 3,258,201
8 : 3,234,363
3,268,161
18 : 3,286,915
20 : 3,273,792
3,286,915
22 : 3,273,791
25 : 3,286,915
28 : 3,275,232
30 : 3,240,409
3,273,791
36 : 3,268,162
38 : 3,263,914
39 : 3,232,526
40 : 3,286,915
42 : 3,243,031
3,244,364
45 : 3,263,914
48 : 3,235,176
51 : 3,263,914
54 : 3,286,915
60 : 3,277,757
62 : 3,286,915
86 : 3,236,444
89 : 3,232,142
3,246,544
3,267,772
3,286,915
90 : 3,248,048
94 : 3,260,445
98 : 3,236,444
99 : 3,268,162
100 : 3,235,176
3,275,232
101 : 3,235,176
105 : 3,236,444
107 : 3,228,227
3,282,206
109 : 3,236,445
111 : 3,248,047
3,277,757
114 : 3,232,525
3,263,914
3,274,338
115 : 3,231,186
3,245,615
3,248,048
3,263,914
3,268,163
116 : 3,231,186
119 : 3,232,525
3,253,778
3,268,163
3,279,690
122 : 3,248,048
123 : 3,268,162
124 : 3,258,201
3,273,791
128 : 3,275,232
3,275,233
3,275,234
129 : 3,278,117
131 : 3,230,812
3,232,526
3,283,974
3,293,652
150.24: 3,293,601

Class 235

1 : 3,229,907
3,244,367
3,245,616
3,245,617
3,249,299
3,262,641
3,263,920
3,268,168
3,276,686
3,281,071
3,282,499
3,283,538
3,283,999
3,288,478
6 : 3,263,915
7 : 3,271,525
11 : 3,263,100
23 : 3,229,907
3,263,920
31 : 3,289,929
32 : 3,239,737
45 : 3,249,296
3,295,756
50 : 3,240,409
3,249,297
3,277,757
52 : 3,281,695
54 : 3,227,364
3,232,528
3,233,826
3,236,445
56 : 3,227,364
58 : 3,241,756
3,259,058
3,266,719
3,291,232
60 : 3,260,451
3,260,452
3,270,958
3,279,694
.12: 3,265,874
.17: 3,261,547
.18: 3,263,916
.18: 3,273,793
.2 : 3,281,069
.25: 3,260,448
.28: 3,260,449
.3 : 3,255,960
.51: 3,254,594
61 : 3,226,848
3,227,631
3,230,357
3,231,192
3,237,165
3,245,147
3,248,940
3,259,312
3,259,887
3,260,451
3,260,998
3,262,639
3,262,640
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3,263,922
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3,268,168
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3,270,961
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3,274,690
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3,279,695

61 : 3,279,697
3,281,072
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3,282,503
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.02: 3,239,937
.11: 3,227,444
.11: 3,228,009
.11: 3,231,861
.11: 3,233,227
.11: 3,238,358
.11: 3,238,501
.11: 3,239,808
.11: 3,240,119
.11: 3,242,463
.11: 3,243,776
.11: 3,245,054
.11: 3,246,295
.11: 3,248,030
.11: 3,248,553
.11: 3,248,710
.11: 3,254,201
.11: 3,255,312
.11: 3,255,321
.11: 3,264,608
.11: 3,264,630
.11: 3,268,879
.11: 3,270,930
.11: 3,283,571
.11: 3,284,781
.11: 3,289,172
.11: 3,290,660
.11: 3,293,650
.114 3,296,605
.12: RE.25,998
.12: 3,233,227
.12: 3,245,054
.12: 3,248,710
.12: 3,256,422
.12: 3,261,979
.12: 3,270,334
.12: 3,284,781
.12: 3,284,929
.12: 3,293,652
.12: 3,295,651
.4 : 3,277,448
.5 : 3,246,130
.5 : 3,260,478
.5 : 3,288,030
.6 : 3,228,006
.6 : 3,229,074
.6 : 3,230,542
.6 : 3,234,363
.6 : 3,246,128
.6 : 3,250,959
.6 : 3,251,055
.6 : 3,253,273
.6 : 3,267,251
.6 : 3,268,905
.6 : 3,277,445
.6 : 3,281,796
.6 : 3,283,134
.7 : 3,246,292
.7 : 3,260,999
.7 : 3,270,882
.9 : 3,234,359
.9 : 3,237,164
.9 : 3,241,151
.9 : 3,254,595
.9 : 3,277,445
.9 : 3,281,807
.9 : 3,292,531
62 : 3,263,917
3,270,958
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63 : 3,231,192
3,249,301
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3,268,165
3,270,958
3,279,692
3,285,510
3,285,511
3,286,919
64.7 : 3,227,039
.7 : 3,285,125
67 : 3,229,659
70 : 3,232,532
3,261,548
3,275,235
3,276,683
71 : 3,266,723
3,285,512
73 : 3,249,301
74 : 3,288,362
76 : 3,268,168
3,276,682
78 : 3,232,531
3,280,788
3,281,072
3,282,502
79.5 : 3,275,235
81 : 3,243,111
3,259,313
83 : 3,228,488
3,253,780
84 : 3,231,188
3,232,531
3,279,695
85 : 3,266,722
3,276,245
3,278,118
88 : 3,231,188
3,232,401
3,253,780
3,257,074
3,259,311
3,259,312
3,276,682
3,277,591
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3,281,072
3,282,501
89 : 3,232,531
3,266,721
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90 : 3,251,600
91 : 3,228,300
3,228,600
3,233,826
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3,236,135
3,240,426
3,241,065
3,241,757
3,243,109
3,244,366
3,250,466
3,252,654
3,260,455
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3,268,167
3,278,185
3,279,420
92 : RE.26,057
RE.26,079
3,227,190
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3,229,077
3,229,258
3,230,352
3,230,355
3,230,383
3,230,514
3,233,827
3,234,391
3,236,135
3,236,415
3,238,361
3,238,372
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3,244,369
3,246,150
3,246,305
3,248,622
3,248,726
3,250,534
3,250,899
3,251,039
3,251,983
3,252,134
3,252,149
3,253,127
3,254,433
3,255,378
3,257,640
3,257,652
3,258,583
3,258,600
3,258,749
3,259,746
3,259,842
3,259,891
3,260,999
3,261,968
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3,266,034
3,267,266
3,267,433
3,267,436
3,267,474
3,268,888
3,271,564
3,271,671
3,271,672
3,271,730
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3,275,987
3,276,256
3,277,281
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3,281,794
92 : 3,283,131
3,283,256
3,284,790
3,284,793
3,287,963
3,288,153
3,289,039
3,290,489
3,293,452
3,295,849
3,296,525
94 : 3,231,135
3,284,000
95 : 3,251,132
3,295,376
98 : 3,239,676
3,266,664
3,282,401
3,290,488
3,290,491
101 : 3,241,481
3,267,846
3,274,607
103 : 3,239,817
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.5 : 3,231,187
.5 : 3,264,559
.5 : 3,267,372
.5 : 3,276,418
104 : 3,267,363
3,296,607
105 : 3,229,080
110 : 3,279,420
111 : 3,236,446
112 : 3,243,652
113 : 3,227,365
114 : 3,282,499
3,293,636
116 : 3,249,085
3,259,312
3,280,788
117 : RE.26,057
3,231,191
3,251,546
3,255,962
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3,270,960
3,287,545
120 : RE.26,041
130 : 3,251,546
3,252,653
3,261,547
3,263,915
131 : 3,237,464
3,242,746
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132 : RE.26,079
3,243,884
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144 : 3,233,400
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.1 : 3,287,615
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.2 : 3,230,351
.2 : 3,244,862
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.22: 3,265,869
.22: 3,279,724
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.25: 3,243,585
.25: 3,261,970
.25: 3,269,179
.26: 3,258,743
.26: 3,292,157
.26: 3,296,423
.27: 3,260,478
.27: 3,296,422
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.33: 3,291,232
.35: 3,242,327
.35: 3,284,616
152 : 3,229,080
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3,253,133
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153 : 3,227,999
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3,252,139
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154 : 3,228,004
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156 : 3,227,865
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158 : 3,231,766
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160 : 3,230,353
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160 : 3,281,794
161 : 3,255,340
162 : 3,255,340
164 : RE.26,104
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167 : 3,235,718
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168 : 3,230,354
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3,267,295
169 : 3,293,419
170 : 3,240,922
172 : 3,230,387
3,231,675
3,235,718
3,275,812
3,275,813
173 : 3,227,865
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3,234,367
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3,234,520
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3,253,131
3,253,132
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175 : 3,270,187
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176 : 3,230,387
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3,296,424
177 : 3,227,865
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178 : 3,250,901
179 : 3,238,532
3,283,838
180 : 3,280,317
181 : 3,229,257
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3,240,919
3,241,102
3,242,321
3,249,911
3,263,231
3,264,606
3,270,315
3,271,732
3,274,380
3,274,541
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3,275,980
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3,281,776
3,281,777
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3,289,154
3,290,506
3,292,144
3,293,598
3,295,362
183 : 3,231,723
3,231,724
3,249,925
3,259,733
3,264,456
3,274,549
3,281,584
3,283,133
3,284,616
3,289,079
3,296,613
184 : 3,227,039
3,254,202
3,255,417
3,260,925
3,270,190
3,270,988
3,280,310
3,281,519
3,281,585
3,283,569
185 : 3,229,110
3,229,198
3,261,971
186 : 3,233,086
3,250,905
3,256,427
3,258,226
3,259,736
3,277,290
187 : 3,231,726
3,237,887
189 : 3,253,479
3,264,451
3,284,795
3,296,427
190 : 3,261,967
193 : 3,226,847
3,231,728
3,242,327
3,243,585

Class 235—Con.

193 : 3,247,394
3,250,901
3,251,982
3,253,135
3,259,735
3,264,460
3,265,866
3,265,871
3,267,264
3,267,270
3,277,287
3,278,728
3,280,310
3,280,312
3,280,319
3,281,584
3,292,150
3,293,424
.5 : 3,231,766
.5 : 3,233,087
194 : 3,241,068
3,250,897
3,250,898
3,259,736
3,264,457
3,267,434
3,277,290
3,296,428
195 : 3,233,451
3,239,657
3,274,381
196 : 3,229,175
3,239,805
3,292,013
3,293,424
197 : 3,227,889
3,230,359
3,231,722
3,233,087
3,237,002
3,238,412
3,246,130
3,247,366
3,253,135
3,257,657
3,263,067
3,264,457
3,264,553
3,265,866
3,267,270
3,267,271
3,270,209
3,273,448
3,277,318
3,281,583
3,281,584
3,283,317
3,289,195
3,290,495
198 : 3,265,870
200 : 3,233,451
3,241,669
3,258,118
3,266,380
3,270,561
201 : 3,229,705
3,232,305
3,241,668
3,241,669
3,242,946
3,248,052
3,253,605
3,258,023
3,263,501
3,267,481
3,270,932
3,273,377
3,278,140
3,285,264

Class 236

1 : 3,229,755
3,242,978
3,248,058
3,258,655
3,260,899
3,261,963
3,262,820
3,263,062
3,264,448
3,269,448
3,273,625
3,285,020
7 : 3,260,115
9 : 3,279,699
10 : 3,267,929
11 : 3,251,548
3,255,964
3,289,934
3,292,854
12 : 3,228,407
12 : 3,285,241
13 : 3,237,860
3,242,980
14 : 3,257,188
3,282,652
3,284,615
15 : 3,231,002
3,233,830
3,233,883
3,243,116
3,243,572
3,259,121
3,259,381
3,259,995
3,262,486
3,264,498
3,273,874
3,274,375
3,286,063
48 : 3,227,428
3,231,193
3,235,179
3,236,262
3,251,573
3,275,035
3,286,925
3,286,926
49 : 3,238,338
3,251,548
3,255,963
3,257,816
3,261,397
3,266,409
68 : 3,227,797
3,227,858
3,229,956
3,233,830
3,237,861
3,239,189
3,242,978
3,255,965
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69 : 3,284,721
74 : 3,251,548
76 : 3,237,861
78 : 3,231,802
3,246,838
3,250,124
3,262,485
3,266,725
78 : 3,274,375
80 : 3,227,370
3,239,189
3,263,693
3,281,074
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82 : 3,227,631
3,237,634
3,244,190
3,245,619
84 : 3,245,248
86 : 3,232,112
3,252,655
3,259,315
87 : 3,263,925
3,283,581
91 : 3,265,302
92 : 3,227,370
3,231,248
3,235,179
3,235,180
3,237,927
3,246,840
3,259,377
3,260,459
3,262,683
3,263,972
3,263,974
3,270,802
3,278,119
3,284,061
93 : 3,236,453
3,258,203
3,263,742
3,263,924
3,273,796
3,276,727
94 : 3,237,634
3,251,549
96 : 3,228,605
98 : 3,275,236
3,275,237
99 : 3,237,296
3,251,346
3,260,500
3,263,924
3,269,140
3,288,366
3,288,370
100 : 3,241,760
3,266,726
3,269,652
3,273,796
101 : 3,227,428
3,251,346
3,273,624
3,286,922
3,295,759
102 : 3,231,193
3,265,299

Class 237

1 : 3,236,294
3,250,269
3,262,493
2 : 3,247,977
3,291,199
7 : 3,277,275
8 : 3,232,337
3,237,608
3,238,998
3,283,808
3,291,119
9 : 3,251,138
12.1 : 3,227,152
.3 : 3,236,044
.3 : 3,236,453
.3 : 3,238,999
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.3 : 3,273,799
.3 : 3,276,634
16 : 3,242,719
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3,277,272
3,281,574
3,293,408
17 : 3,236,226
3,269,382
19 : 3,237,608
3,241,763
3,254,839
28 : 3,260,187
3,278,121
48 : 3,237,546
3,270,738
50 : 3,261,397
53 : 3,246,643
55 : 3,259,318
61 : 3,228,606
63 : 3,229,683
3,249,303
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3,262,494
63 : 3,276,187
3,276,188
3,278,122
3,290,864
66 : 3,269,654
3,276,187
3,278,122
3,290,864
67 : 3,274,373
69 : 3,247,895
3,267,831
70 : 3,227,372
3,262,494
3,285,514
78 : 3,227,064
81 : 3,236,299

Class 238

10 : 3,243,180
3,263,364
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3,290,498
12 : 3,276,393
3,291,392
14.15: 3,287,037
145 : 3,286,650
150 : 3,288,369
215 : 3,284,035
292 : 3,292,857
315 : 3,240,429
349 : 3,282,506
366 : 3,280,829
382 : 3,291,394

Class 239

1 : 3,270,460
2 : 3,231,195
3,270,460
3,289,409
3 : 3,236,679
3,248,606
3,251,550
3,251,551
3,256,677
3,263,127
3,265,306
3,268,171
3,275,239
3,281,076
3,292,860
3,296,491
4 : 3,240,253
3,243,122
3,281,859
3,281,860
8 : 3,246,846
3,263,927
3,275,201
10 : 3,285,522
11 : 3,232,536
3,236,689
13 : 3,236,689
14 : 3,227,373
3,243,890
3,284,005
15 : 3,248,606
3,263,127
3,269,446
3,279,429
3,281,076
3,290,169
3,296,015
3,296,491
3,296,628
20 : 3,237,772
24 : 3,260,462
25 : 3,265,082
3,288,376
26 : 3,245,473
29 : 3,237,863
34 : 3,249,217
3,283,787
36 : 3,270,525
37 : 3,245,473
38 : 3,286,927
43 : 3,254,841
44 : 3,229,910
3,250,472
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45 : 3,254,841
51 : 3,254,841
54 : 3,239,145
57 : 3,227,374
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58 : 3,239,145
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60 : 3,239,145
61 : 3,249,307
63 : 3,238,392
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63 : 3,273,849
65 : 3,272,225
3,273,579
66 : 3,227,219
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67 : 3,228,609
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69 : 3,240,389
70 : 3,249,307
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71 : 3,227,219
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74 : 3,227,219
75 : 3,244,372
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76 : 3,253,790
77 : 3,228,144
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78 : 3,252,656
3,261,551
3,278,124
80 : 3,241,927
83 : 3,251,341
84 : 3,251,341
85 : 3,249,262
3,252,628
3,253,783
87 : 3,236,219
90 : RE.26,016
3,237,568
3,282,512
91 : 3,270,500
95 : 3,247,833
97 : 3,263,930
101 : 3,243,264
102 : 3,230,924
3,232,267
3,238,144
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3,255,998
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103 : 3,251,556
104 : 3,246,844
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109 : 3,268,389
110 : 3,228,357
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112 : 3,228,611
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150 : 3,235,023
153 : 3,232,585
156 : 3,233,832
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158 : 3,275,244
159 : 3,228,144
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160 : 3,285,516
162 : 3,285,516
165 : 3,237,346
3,243,123
169 : 3,235,187
170 : 3,236,456
171 : 3,229,912
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172 : 3,227,376
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185 : 3,265,087
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190 : 3,246,848
191 : 3,246,848
192 : 3,289,216
193 : 3,245,380
3,290,025
195 : 3,260,424
196 : 3,243,123
199 : 3,246,848
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201 : 3,239,149
203 : 3,230,564
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205 : 3,258,205
208 : 3,254,656
209 : 3,259,138
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210 : 3,232,539
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215 : 3,252,442
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216 : 3,281,076
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219 : 3,241,820
221 : 3,235,235
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222 : 3,235,235
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.15: 3,288,052
223 : 3,229,912
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3,250,473
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225 : 3,228,661
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3,276,695
227 : 3,265,309
3,279,421
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229 : 3,237,389
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236 : 3,232,539
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3,244,373
3,272,437
239 : 3,246,847
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242 : 3,261,369
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245 : 3,253,784
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253 : 3,255,970
256 : 3,261,554
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258 : 3,231,199
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261 : 3,231,199
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Class 239 – Con.

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Class 240

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.2 : 3,228,678
.2 : 3,239,159
.3 : 3,236,468
.3 : 3,245,629
.3 : 3,245,631
.3 : 3,245,633
.3 : 3,248,164
.3 : 3,252,667
.3 : 3,262,357
.3 : 3,276,718
.3 : 3,279,799
.3 : 3,286,942
.3 : 3,295,778
.3 : 3,295,786
.4 : 3,238,697
.4 : 3,281,090
.5 : 3,270,980
.6 : 3,233,728
.6 : 3,234,024
.6 : 3,260,362
.7 : 3,256,813
71 : 3,246,942
3,267,827
.1 : 3,250,482
.1 : 3,270,645
.1 : 3,275,256
.1 : 3,276,340
.1 : 3,276,341
.1 : 3,282,185
.2 : 3,229,397
.2 : 3,247,773
.2 : 3,260,344
.3 : 3,247,773
.6 : 3,280,491
.7 : 3,266,395
.8 : 3,243,133
.8 : 3,254,856
.8 : 3,282,521
.9 : 3,266,748
.9 : 3,295,778
72 : 3,228,678
3,231,212
3,250,542
3,252,640
3,253,323
3,269,128
3,275,255
3,280,539
3,286,987
3,295,188
.1 : 3,244,380
.1 : 3,248,976
74 : 3,227,269
3,233,839
3,243,136
3,246,729
3,248,164
3,270,974
3,275,256
3,282,521
3,286,808
3,291,416
3,295,673
3,295,778
.1 : 3,256,122
.1 : 3,287,777
75 : 3,228,114
3,263,297
3,276,191
.1 : 3,261,149
.2 : 3,229,881
.2 : 3,237,874
.2 : 3,250,488
.2 : 3,252,415
.2 : 3,266,082
.2 : 3,268,142
.2 : 3,284,015
75.3 : 3,235,195
.3 : 3,241,411
.3 : 3,258,214
.3 : 3,265,270
.3 : 3,279,670
.3 : 3,282,488
.3 : 3,283,982
.4 : 3,227,383
.4 : 3,276,711
.4 : 3,289,210
.43: 3,240,058
.43: 3,258,219
.43: 3,266,376
.43: 3,270,935
.44: 3,235,197
.44: 3,289,959
.45: 3,255,979
.45: 3,273,818
.47: 3,257,086
.5 : 3,239,161
.5 : 3,243,135
.5 : 3,246,857
.5 : 3,250,194
.5 : 3,268,039
.51: 3,227,347
.51: 3,227,390
.51: 3,233,397
.51: 3,233,539
.51: 3,244,469
.51: 3,248,621
.51: 3,262,192
.51: 3,276,708
.51: 3,280,393
.51: 3,283,228
.51: 3,286,271
76 : 3,227,342
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3,233,809
3,233,839
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3,255,650
3,257,057
3,266,743
3,270,936
3,271,835
3,281,040
3,282,304
3,292,684
77 : 3,260,508
.1 : 3,267,498
.2 : 3,255,889
.2 : 3,292,877
.3 : 3,255,889
78 : 3,282,304
.1 : 3,238,864
.1 : 3,240,043
.1 : 3,241,735
.1 : 3,256,854
.1 : 3,258,212
.2 : 3,234,024
80 : 3,241,790
81 : 3,231,210
83 : 3,236,467
3,260,471
3,272,455
84 : 3,289,966
.1 : 3,246,859
.1 : 3,248,819
.1 : 3,252,239
.1 : 3,275,260
.2 : 3,226,873
.2 : 3,248,819
.21: 3,255,981
.21: 3,258,218
.3 : 3,229,406
.45: 3,233,846
.45: 3,246,859
.5 : 3,251,564
.5 : 3,255,982
.51: 3,254,861
.51: 3,255,980
.53: 3,255,982
.53: 3,268,182
.54: 3,232,554
.54: 3,251,564
.54: 3,268,182
.8 : 3,255,531
85 : 3,282,530
.1 : 3,266,763
.1 : 3,290,453
86.5 : 3,242,895
.5 : 3,243,141
.5 : 3,247,934
.5 : 3,254,851
.5 : 3,291,256
.52: 3,273,171
.8 : 3,227,393
95 : 3,278,159
3,292,905
96 : D205,533
3,227,392
99 : 3,228,624
3,237,729
3,241,788

Class 242—Con.

99 : 3,262,652
3,270,705
3,289,968
100.1 : 3,276,083
.1 : 3,279,010
104 : 3,261,569
106 : 3,295,787
107 : 3,227,420
3,251,627
3,253,797
3,275,760
.13: 3,263,939
.2 : 3,240,510
.2 : 3,287,062
.3 : 3,233,591
.3 : 3,237,729
.3 : 3,250,253
.4 : 3,227,109
.4 : 3,240,510
.4 : 3,241,883
.4 : 3,248,149
.4 : 3,288,528
.5 : 3,246,363
.6 : 3,262,653
.7 : 3,275,780
110 : 3,256,813
.1 : 3,243,975
.1 : 3,270,976
.1 : 3,289,966
.3 : 3,282,530
115 : 3,284,021
3,284,022
117 : 3,231,970
3,248,958
3,249,337
3,265,361
118.1 : 3,255,889
.3 : 3,246,855
.3 : 3,246,856
.3 : 3,248,065
.3 : 3,255,889
.32: 3,239,163
.32: 3,263,499
.61: 3,229,811
.61: 3,233,728
.7 : 3,230,490
.7 : 3,241,789
.7 : 3,289,965
.8 : 3,264,593
125.1 : 3,230,489
.1 : 3,263,408
.1 : 3,272,454
.1 : 3,283,489
.1 : 3,283,976
.2 : 3,255,889
127 : 3,262,649
3,279,822
128 : 3,282,518
129 : 3,279,590
.51: 3,229,926
.8 : 3,252,666
.8 : 3,281,089
131 : 3,236,265
137.1 : 3,259,335
138 : 3,279,590
139 : 3,228,627
3,282,236
140 : 3,282,236
146 : 3,261,569
147 : 3,251,559
3,284,024
148 : 3,267,609
150 : 3,236,466
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151 : 3,248,088
153 : 3,266,082
154 : 3,231,216
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155 : 3,241,817
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156 : 3,266,082
.1 : 3,249,320
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.2 : 3,228,624
.2 : 3,243,137
.2 : 3,258,219
.2 : 3,265,266
.2 : 3,269,722
157 : 3,237,900
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3,266,692
3,269,104
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.1 : 3,285,721
158 : 3,226,767
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158 : 3,232,545
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.2 : 3,237,875
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164 : 3,246,855
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165 : 3,263,409
166 : 3,242,550
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172 : 3,255,889
175 : 3,292,872
176 : 3,235,191
3,263,499
177 : 3,243,948
178 : 3,255,889
265 : 3,283,489

Class 243

1 : 3,265,326
2 : 3,263,943
4 : 3,263,943
7 : 3,232,559
3,237,881
10 : 3,267,798
16 : 3,229,929
3,238,515
3,295,662
19 : 3,231,218
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20 : 3,288,393
23 : 3,263,943
25 : 3,288,393
28 : 3,263,943
29 : 3,288,393
32 : 3,229,929
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34 : 3,258,167
36 : 3,229,929
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39 : 3,229,929
3,246,878

Class 244

1 : 3,228,634
3,229,521
3,229,936
3,231,223
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3,233,238
3,235,204
3,241,142
3,242,058
3,242,982
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3,251,995
3,258,598
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3,268,091
3,268,732
3,269,673
3,271,565
3,272,658
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3,277,479
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3,277,724
3,278,139
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3,283,210
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2 : 3,237,885
3,258,228
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3,270,504
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2 : 3,295,789
3 : 3,254,863
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.22: 3,282,540
6 : 3,241,791
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7 : 3,231,221
3,254,725
3,261,572
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12 : 3,241,312
3,241,313
3,241,771
3,244,246
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3,249,333
3,255,584
3,255,585
3,258,206
3,259,343
3,266,243
3,269,663
3,271,948
3,272,459
3,273,334
3,273,339
3,275,270
3,276,528
3,279,554
3,280,560
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3,284,030
3,290,885
3,292,368
3,292,864
13 : 3,243,146
14 : 3,227,397
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3,229,521
3,230,348
3,231,726
3,233,548
3,239,165
3,239,674
3,242,339
3,243,706
3,244,862
3,245,352
3,256,816
3,258,223
3,260,204
3,260,485
3,261,966
3,262,655
3,266,422
3,266,423
3,268,185
3,272,124
3,274,552
3,276,332
3,276,722
3,277,375
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3,293,360
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15 : 3,229,933
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17.11: 3,273,824
.13: 3,250,121
.17: 3,241,145
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.17: 3,279,722
.19: 3,227,399
.19: 3,228,119
.19: 3,260,482
.23: 3,246,861
.23: 3,273,653
.25: 3,288,395
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23 : 3,228,420
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23 : 3,259,339
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31 : 3,277,724
33 : 3,227,398
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34 : 3,252,673
35 : 3,253,805
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39 : 3,262,656
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43 : 3,260,481
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46 : 3,279,723
48 : 3,288,400
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51 : 3,288,397
52 : 3,229,460
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53 : 3,253,806
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.8 : 3,242,671
.8 : 3,295,555
54 : 3,240,454
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55 : 3,260,476
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56 : 3,271,948
58 : 3,228,475
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58 : 3,253,404
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60 : 3,253,806
3,253,807
62 : 3,258,911
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63 : 3,238,894
3,253,511
3,267,809
3,296,421
66 : 3,231,221
3,281,096
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73 : 3,255,835
3,261,162
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74 : 3,230,097
3,237,891
3,250,496
3,260,570
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3,266,752
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75 : 3,289,475
3,289,980
76 : 3,237,889
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3,252,673
3,266,756
3,269,199
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3,275,267
77 : 3,229,520
3,230,348
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3,230,524
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3,237,107
3,241,027
3,241,077
3,246,220
3,246,250
3,251,982
3,254,156
3,260,108
3,262,311
3,266,039
3,266,040
3,268,185
3,268,187
3,269,685
3,270,344
3,272,090
3,272,972
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3,277,431
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3,287,724
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78 : 3,238,957
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79 : 3,249,325
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82 : 3,261,573
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83 : 3,228,478
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3,285,376
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3,295,386
85 : 3,244,384
86 : 3,242,763
87 : 3,262,510
91 : 3,270,988
92.5 : 3,296,060
96 : 3,288,397
98 : 3,229,290
100 : 3,265,163
3,266,757
102 : 3,267,753
3,285,541
103 : 3,271,170
104 : 3,265,381
3,290,037
3,290,038
110 : 3,248,878
3,258,227
3,259,213
3,266,734
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111 : 3,236,338
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113 : 3,242,861
114 : 3,260,479
3,263,832
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117 : 3,230,705
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3,253,423
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.1 : 3,259,516
118 : 3,242,058
121 : 3,236,093
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3,261,575
3,289,060
3,292,044
122 : 3,239,273
3,248,072
3,249,385
3,271,797
3,282,161
3,287,064
123 : 3,227,598
3,265,417
3,266,130
3,280,230
124 : 3,273,833
128 : 3,271,484
129 : 3,254,863
3,261,575
3,267,612
130 : 3,259,065
131 : 3,266,756
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133 : 3,227,598
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134 : 3,243,793
3,253,404
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135 : 3,227,475
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136 : 3,273,651
137 : 3,240,450
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138 : 3,228,492
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140 : 3,227,399
141 : 3,229,931
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142 : 3,234,503
145 : 3,229,937
147 : 3,242,666
149 : 3,251,566
150 : 3,283,406
151 : 3,237,265
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152 : 3,228,635
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152 : 3,229,932
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153 : 3,270,895
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Class 245

1.5 : 3,251,384
3 : 3,238,688
6 : 3,263,799
3,276,570
8 : 3,230,136
3,240,635
3,249,686
3,256,142
10 : 3,238,594
11 : 3,261,451

Class 246

1 : 3,273,145
2 : 3,227,096
3,227,882
3,238,358
3,247,508
3,247,510
3,247,514
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3 : 3,251,992
4 : 3,229,086
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5 : 3,247,371
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6 : 3,251,989
8 : 3,290,626
28 : 3,229,112
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3,268,843
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29 : 3,227,882
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30 : 3,235,025
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34 : 3,260,842
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37 : 3,268,843
38 : 3,286,091
39 : 3,227,870
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40 : 3,246,141
41 : 3,267,280
43 : 3,287,554
46 : 3,267,280
61 : 3,287,554
63 : 3,250,914
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3,263,073
3,263,074
76 : 3,261,302
77 : 3,274,384
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81 : 3,287,554
87 : 3,246,141
3,263,074
107 : 3,277,293
3,277,294
120 : 3,243,797
121 : 3,246,141
3,267,280
122 : 3,230,361
3,250,914
3,259,741
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3,268,727
124 : 3,253,254
3,281,779
125 : 3,231,854
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130 : 3,246,143
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131 : 3,260,842
133 : 3,234,377
134 : 3,263,073
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167 : 3,234,377

167 : 3,246,140
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169 : 3,230,361
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182 : 3,229,086
3,234,377
3,240,929
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3,253,143
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184 : 3,277,839
186 : 3,277,839
187 : 3,227,870
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3,260,842
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189 : 3,268,726
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194 : 3,251,990
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202 : 3,295,704
206 : 3,261,302
220 : 3,241,003
246 : 3,231,257
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247 : 3,227,871
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249 : 3,233,946
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253 : 3,234,377
364 : 3,290,498
415 : 3,263,075
428 : 3,233,078
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Class 248

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2 : 3,228,284
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3 : 3,259,099
4 : 3,242,899
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5 : 3,241,314
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6 : 3,253,474
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7 : 3,240,454
8 : 3,289,781
9 : 3,233,560
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Class 250—Con.

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401 : 3,251,664

Class 251

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4 : 3,227,173
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5 : 3,235,064
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12 : 3,262,566
14 : 3,232,311
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23 : 3,241,714
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24 : 3,236,250
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25 : 3,228,422
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26 : 3,252,477
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174 : 3,228,652
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287 : 3,240,225
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Class 251—Con.

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309 : 3,241,811
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388 : 3,293,342

Class 252

1 : 3,241,908
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2 : 3,228,925
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6 : 3,258,423
7 : 3,257,316
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Class 252—Con.

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3,291,381
3,291,447
3,292,245
3,295,190
78 : 3,227,418
3,231,239
3,233,867
3,243,158
3,249,333
3,251,555
3,260,505
3,261,587
3,265,290
3,265,291
3,269,700
3,275,294
3,284,881
3,291,382
3,295,751
3,295,824
79 : 3,231,238
82 : 3,242,743
85 : 3,263,963
91 : 3,282,561
97 : 3,228,656
3,229,958
3,236,497
3,236,498
97 : 3,271,005
3,275,293
101 : 3,279,750
108 : 3,249,333
117 : Re.26,095
3,239,193
121 : 3,228,656
3,240,469
122 : Re.26,095
3,236,497
3,237,564
3,237,564
3,237,918
3,237,918
123 : 3,240,469
133 : 3,279,170
137 : 3,231,237
138 : 3,275,293
142 : 3,231,239
3,286,982
143 : 3,236,498
3,275,293
3,291,221
148 : 3,276,742
3,291,221
156 : 3,240,469
159 : 3,269,703
3,272,476
163 : 3,228,657
164 : 3,286,984
172 : 3,253,819
173 : 3,282,561
288 : 3,290,876

Class 254

2 : 3,246,713
3,247,630
3,249,170
3,260,534
3,261,617
3 : 3,259,255
3,275,166
8 : 3,283,926
3,287,024
9 : 3,237,959
3,237,959
3,281,103
10 : 3,237,959
3,237,959
3,279,752
3,290,051
.5 : 3,256,594
19 : 3,251,629
28 : 3,254,649
3,278,897
3,283,557
29 : 3,230,799
3,233,315
3,239,076
3,255,558
3,263,384
3,283,457
3,286,419
3,287,999
.5 : 3,234,619
30 : 3,282,357
38 : 3,251,313
42 : 3,239,218
43 : 3,240,161
3,240,162
44 : 3,255,709
45 : 3,243,193
3,289,868
51 : Re.26,114
3,232,323
57 : 3,284,036
65 : 3,286,274
67 : 3,278,210
3,291,090
3,292,567
74 : 3,257,714
76 : 3,237,920
3,237,920
86 : 3,239,019
3,248,083
3,249,067
3,253,839
3,292,802
87 : 3,235,280
3,261,478
89 : 3,230,784
3,235,956
3,237,295
3,237,295
3,250,346
3,268,999
3,271,006
3,275,298
3,289,868
93 : 3,228,659
3,232,448
3,233,868
3,242,669

93 : 3,243,162
3,253,667
3,262,740
3,265,357
3,267,882
3,268,208
3,276,547
3,286,970
3,286,985
3,286,987
3,295,330
94 : 3,230,969
3,250,408
95 : 3,273,934
98 : 3,247,588
3,268,994
3,283,732
100 : 3,239,077
3,240,471
3,257,001
3,263,430
3,270,407
3,285,622
101 : 3,240,471
103 : 3,236,489
3,237,666
3,237,666
3,269,199
3,282,565
104 : 3,239,218
3,251,310
3,289,373
105 : 3,230,784
3,235,956
3,238,577
3,244,014
3,279,195
106 : 3,248,085
3,269,705
3,282,565
108 : 3,269,574
115 : 3,241,165
122 : 3,239,294
3,266,772
3,268,090
3,280,998
3,281,103
124 : 3,230,720
3,236,398
3,237,959
3,237,959
3,241,816
3,250,229
3,260,377
3,275,297
3,279,854
125.7 : 3,237,780
.7 : 3,237,780
126 : 3,243,161
3,252,590
3,263,430
3,277,501
3,279,752
127 : 3,261,487
131 : 3,242,579
3,257,018
3,269,706
3,290,769
132 : 3,272,548
133 : 3,263,382
3,266,773
3,295,366
134 : 3,240,471
3,244,401
3,247,674
.3 : 3,232,558
.3 : 3,235,652
.3 : 3,242,518
.3 : 3,244,292
.3 : 3,265,268
.3 : 3,270,362
.3 : 3,276,744
.3 : 3,292,833
.4 : 3,283,123
135 : 3,265,269
3,273,861
3,281,121
139 : 3,229,960
3,266,775
.1 : 3,237,353
.1 : 3,237,353
.1 : 3,265,428
.1 : 3,266,598
.1 : 3,269,704
.1 : 3,275,296
.1 : 3,280,519
.1 : 3,280,520
.1 : 3,292,908
.1 : 3,295,270
145 : 3,248,958
3,266,598
146 : 3,284,051
149 : 3,252,189
150 : 3,233,405
150 : 3,249,337
3,250,514
3,264,629
3,280,776
3,285,575
164 : 3,252,189
3,285,570
166 : 3,263,845
3,285,626
3,289,382
168 : 3,244,293
3,261,477
173 : 3,233,746
3,249,336
3,261,589
3,290,012
3,292,904
174 : 3,285,081
175.3 : 3,231,260
.7 : 3,240,474
.7 : 3,282,044
178 : 3,229,960
183 : 3,253,683
3,285,575
184 : 3,237,718
3,237,718
3,240,473
3,248,958
3,258,247
3,265,360
3,290,096
186 : 3,231,240
3,231,913
3,237,878
3,237,878
3,237,922
3,237,922
3,242,894
3,248,087
3,249,336
3,258,247
3,260,508
3,261,589
3,265,360
3,281,120
3,284,052
3,286,989
187 : 3,248,088
3,249,336
3,265,361
3,268,211
3,272,478
3,284,052
3,290,013
3,292,905
188 : 3,286,516
189 : 3,265,218
3,268,224
3,279,195
190 : 3,243,090
3,248,087
3,248,088
3,270,982
3,276,745
191 : 3,231,240
195 : 3,247,976
3,286,968

Class 256

10 : 3,291,897
12.5 : 3,254,490
14 : 3,283,745
24 : 3,254,490
3,258,251
3,273,862
3,276,333
34 : 3,227,423
47 : 3,239,195
3,285,577
54 : 3,246,076
59 : 3,233,377
3,239,070
3,295,833
65 : 3,227,477
3,233,871
3,246,879
3,256,658
3,269,553
3,276,750
3,282,548
3,285,576
3,286,850
3,289,381
68 : 3,258,250

Class 258

1.2 : 3,227,401

Class 259

1 : 3,230,924
3,231,025
1 : 3,232,267
3,233,872
3,238,799
3,248,826
3,251,550
3,254,284
3,256,695
3,259,272
3,261,378
3,264,887
3,265,367
3,266,327
3,266,555
3,269,678
3,271,013
3,273,217
3,277,731
3,279,265
3,282,055
3,283,598
3,285,517
3,285,579
3,291,640
3,292,910
3,295,596
2 : 3,254,045
3,263,592
3 : 3,245,110
3,245,154
3,253,532
3,272,444
3,277,540
3,291,304
4 : 3,231,090
3,232,590
3,233,975
3,238,021
3,238,021
3,243,318
3,245,834
3,246,883
3,251,653
3,252,766
3,254,045
3,254,048
3,255,999
3,256,067
3,258,256
3,259,375
3,276,753
3,278,271
3,285,712
3,287,091
3,287,385
3,289,413
3,291,457
5 : 3,243,163
3,243,268
3,245,899
3,256,573
3,277,667
3,279,893
6 : 3,229,911
3,271,194
3,276,845
3,283,792
7 : 3,233,742
3,236,419
3,241,818
3,243,128
3,245,361
3,251,586
3,257,174
3,257,175
3,291,076
8 : 3,228,036
3,228,662
3,230,047
3,230,292
3,232,709
3,233,876
3,243,163
3,248,090
3,249,554
3,251,576
3,251,577
3,252,766
3,256,181
3,256,987
3,257,174
3,271,241
3,276,633
3,278,659
3,279,893
3,280,764
3,284,055
3,285,578
3,285,581
3,285,702
3,288,567
9 : 3,227,136
3,245,662
3,246,594
3,247,021
9 : 3,248,180
3,250,321
3,253,300
3,253,892
3,255,815
3,269,012
3,273,631
3,276,845
3,279,894
3,279,895
3,284,055
3,284,056
3,285,330
3,285,415
3,291,883
3,293,117
10 : 3,266,873
3,266,874
3,272,649
11 : 3,255,149
12 : 3,295,838
13 : 3,259,485
14 : 3,228,660
3,259,372
3,266,779
16 : 3,266,779
18 : 3,232,585
3,243,856
3,255,149
3,259,054
20 : 3,287,385
23 : 3,230,282
3,250,519
3,278,166
25 : 3,245,662
3,268,214
3,279,895
3,285,580
3,290,015
28 : 3,264,067
29 : 3,261,592
3,295,838
30 : 3,228,660
3,228,661
3,229,964
3,259,372
3,269,707
31 : 3,254,801
33 : 3,266,779
3,285,578
34 : 3,285,578
36 : Re.26,084
40 : 3,239,199
3,278,168
41 : 3,289,897
42 : 3,253,300
43 : 3,229,962
3,237,925
3,237,925
3,238,978
3,250,518
44 : 3,248,019
3,249,342
3,288,442
45 : 3,253,818
3,276,752
3,279,895
3,284,056
3,285,330
3,285,415
3,291,883
3,293,117
3,295,667
75 : 3,235,202
3,241,250
3,259,485
3,265,366
3,276,169
76 : 3,241,819
81 : 3,231,244
3,251,681
3,258,253
3,272,444
3,276,751
3,279,763
85 : 3,283,362
88 : 3,258,849
3,288,441
89 : 3,235,369
3,237,317
3,237,317
3,256,170
91 : 3,251,681
3,270,375
3,295,837
95 : 3,232,585
3,236,744
3,239,198
3,256,067
3,271,117
3,271,304
3,273,865
3,282,198
3,285,331
3,291,457
96 : 3,235,488
3,236,744
3,247,969
3,251,577
3,251,578
3,252,690
3,262,681
3,268,212
3,269,606
3,271,194
3,273,631
3,282,814
3,284,055
3,290,018
97 : 3,229,449
3,231,243
3,253,892
3,254,878
3,257,175
3,265,227
3,273,734
3,285,581
3,287,091
3,293,117
3,295,667
98 : 3,246,881
3,252,766
3,287,385
3,289,897
100 : 3,245,892
101 : 3,248,090
3,251,576
102 : 3,228,753
3,243,163
3,248,760
3,248,761
104 : 3,230,581
3,248,092
3,269,708
3,285,582
105 : 3,252,690
3,289,897
107 : 3,227,424
3,233,837
3,240,246
3,241,820
3,250,519
3,256,573
3,266,781
3,288,444
108 : 3,227,528
3,235,877
3,245,665
3,246,882
3,249,342
3,249,554
3,254,877
3,262,681
3,263,740
3,266,673
3,278,295
3,279,893
3,286,994
3,292,912
3,295,997
3,296,993
109 : 3,247,021
3,248,180
3,276,752
3,279,895
3,293,117
110 : 3,228,203
3,232,210
3,251,579
3,286,939
111 : 3,227,166
3,249,342
112 : 3,277,908
3,292,534
113 : 3,258,256
114 : 3,258,256
3,276,093
116 : 3,240,435
119 : 3,248,091
122 : 3,251,635
3,263,970
3,287,092
125 : 3,265,369
128 : 3,241,819
3,248,019
131 : 3,230,581
3,275,051
3,279,265
3,280,351
134 : 3,233,875
3,245,663
135 : 3,249,342
3,251,581
3,251,635
3,279,265
136 : 3,268,214
141 : 3,227,135
147 : 3,271,012
3,292,859
148 : 3,256,181
150 : 3,233,877
151 : 3,237,865
3,237,865
3,256,987
3,273,873
3,285,578
154 : 3,228,660
3,230,589
3,244,411
3,251,484
3,256,181
3,259,325
3,259,375
3,270,896
3,295,698
157 : 3,277,540
160 : 3,257,032
161 : 3,241,818
3,256,181
3,257,102
3,258,253
163 : 3,251,584
3,266,779
164 : 3,257,102
165 : 3,249,343
3,263,971
3,277,540
168 : 3,236,147
3,245,662
3,269,707
177 : 3,232,586
3,279,763
178 : 3,260,176
3,278,168
180 : 3,273,864
3,275,303

Class 260

.5 : 3,284,421
1 : 3,288,615
2 : Re.26,065
3,227,679
3,227,683
3,227,690
3,227,695
3,227,727
3,227,728
3,228,911
3,228,912
3,228,920
3,228,957
3,228,967
3,228,968
3,230,201
3,230,202
3,230,207
3,230,252
3,231,374
3,231,544
3,231,551
3,231,586
3,232,901
3,232,907
3,232,957
3,232,988
3,232,993
3,234,025
3,234,127
3,234,150
3,234,185
2 : 3,234,191
3,234,240
3,234,249
3,234,251
3,235,536
3,235,568
3,235,570
3,235,585
3,235,591
3,235,593
3,236,863
3,236,881
3,236,895
3,236,900
3,238,185
3,238,185
3,238,204
3,238,204
3,238,227
3,238,227
3,238,229
3,238,229
3,238,256
3,238,256
3,238,273
3,238,273
3,239,486
3,239,535
3,239,537
3,239,567
3,240,376
3,240,664
3,240,754
3,240,776
3,240,789
3,240,795
3,240,807
3,240,815
3,242,004
3,242,108
3,242,115
3,242,130
3,242,137
3,242,142
3,242,145
3,242,151
3,242,171
3,242,205
3,242,216
3,243,429
3,244,670
3,244,674
3,244,697
3,244,731
3,244,732
3,245,925
3,245,950
3,245,953
3,245,954
3,247,048
3,247,137
3,247,147
3,247,163
3,247,268
3,247,274
3,247,285
3,247,291
3,248,280
3,248,353
3,248,404
3,248,429
3,249,569
3,249,587
3,249,607
3,249,635
3,250,743
3,250,797
3,251,778
3,251,852
3,251,861
3,252,936
3,252,939
3,253,000
3,253,009
3,253,033
3,254,060
3,255,153
3,255,157
3,255,214
3,255,215
3,255,244
3,256,239
3,256,240
3,256,253
3,256,304
3,256,330
3,257,337
3,257,347
3,257,355
3,257,422
3,258,393
3,258,452
3,259,534

Class 260—Con.

2 : 3,259,638
3,259,817
3,261,799
3,261,800
3,261,809
3,261,848
3,262,912
3,262,916
3,262,918
3,262,953
3,262,987
3,262,991
3,264,202
3,264,259
3,264,266
3,264,271
3,264,273
3,264,320
3,264,350
3,264,368
3,265,234
3,265,734
3,267,079
3,267,137
3,267,141
3,267,172
3,268,468
3,268,472
3,268,477
3,268,486
3,268,571
3,268,574
3,268,588
3,268,915
3,269,853
3,269,890
3,270,005
3,270,039
3,271,337
3,271,350
3,271,361
3,271,362
3,271,369
3,271,435
3,271,476
3,272,763
3,272,781
3,272,843
3,272,845
3,272,853
3,272,854
3,272,889
3,274,131
3,274,161
3,274,162
3,274,220
3,275,576
3,275,587
3,275,588
3,275,598
3,275,600
3,275,604
3,275,610
3,277,025
3,277,036
3,277,048
3,277,049
3,277,050
3,277,052
3,277,128
3,277,169
3,277,170
3,278,488
3,278,496
3,278,497
3,278,530
3,278,554
3,278,596
3,278,635
3,280,051
3,280,074
3,280,075
3,280,110
3,280,143
3,280,218
3,281,491
3,281,492
3,281,494
3,281,502
3,282,663
3,282,851
3,282,885
3,282,894
3,282,895
3,282,898
3,284,383
3,284,387
3,284,408
3,284,418
3,284,421
3,284,497
3,284,538

2 : 3,285,742
3,285,804
3,285,870
3,285,881
3,285,893
3,285,949
3,287,160
3,287,287
3,287,302
3,287,328
3,287,330
3,287,373
3,287,442
3,288,640
3,288,750
3,288,752
3,288,753
3,288,757
3,288,761
3,288,789
3,288,882
3,290,247
3,290,416
3,291,679
3,291,775
3,291,776
3,291,777
3,293,195
3,293,216
3,293,219
3,293,221
3,293,222
3,293,248
3,293,267
3,296,153
3,296,160
3,296,209
3,296,301
.1 : 3,228,920
.1 : 3,230,273
.1 : 3,232,867
.1 : 3,232,914
.1 : 3,233,026
.1 : 3,234,164
.1 : 3,234,185
.1 : 3,238,180
.1 : 3,238,180
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.1 : 3,240,776
.1 : 3,242,138
.1 : 3,247,242
.1 : 3,248,339
.1 : 3,248,457
.1 : 3,250,704
.1 : 3,255,172
.1 : 3,262,911
.1 : 3,265,536
.1 : 3,265,663
.1 : 3,265,734
.1 : 3,267,065
.1 : 3,267,073
.1 : 3,267,082
.1 : 3,270,062
.1 : 3,272,737
.1 : 3,276,598
.1 : 3,276,991
.1 : 3,276,992
.1 : 3,277,059
.1 : 3,278,487
.1 : 3,281,452
.1 : 3,295,939
.1 : 3,296,233
.2 : 3,227,662
.2 : 3,230,273
.2 : 3,233,026
.2 : 3,235,610
.2 : 3,240,723
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.2 : 3,242,106
.2 : 3,242,219
.2 : 3,243,369
.2 : 3,247,133
.2 : 3,250,704
.2 : 3,250,756
.2 : 3,253,920
.2 : 3,254,051
.2 : 3,255,172
.2 : 3,256,250
.2 : 3,257,334
.2 : 3,258,414
.2 : 3,260,740
.2 : 3,262,883
.2 : 3,262,911
.2 : 3,265,536
.2 : 3,267,073
.2 : 3,273,314
.2 : 3,275,687
.2 : 3,276,989
.2 : 3,276,990
.2 : 3,277,023

2.2 : 3,277,024
.2 : 3,277,067
.2 : 3,278,462
.2 : 3,278,487
.2 : 3,285,886
.2 : 3,296,233
.5 : 3,227,683
.5 : 3,227,784
.5 : 3,228,045
.5 : 3,228,780
.5 : 3,228,782
.5 : 3,228,895
.5 : 3,228,905
.5 : 3,228,912
.5 : 3,228,916
.5 : 3,228,922
.5 : 3,230,047
.5 : 3,231,363
.5 : 3,231,595
.5 : 3,232,709
.5 : 3,232,786
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Class 260—Con.

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3,278,119
3,278,173
3,282,514
3,284,063
3,290,023
41 : 3,233,878
3,236,217
3,237,926
3,246,886
3,253,822
3,254,638
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3,272,485
3,272,488
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44 : 3,246,886
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3,269,710
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50 : 3,243,167
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56 : 3,272,487
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63 : 3,236,506
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64 : 3,231,249
3,231,250
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3,281,127
3,290,021
65 : 3,231,249
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3,266,791
3,269,713
3,275,306
3,282,572
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66 : 3,270,761
3,291,464
67 : 3,271,014
68 : 3,281,129
3,288,446
69 : 3,231,249
3,232,284
3,233,878
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3,272,485
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3,284,063
3,288,445
70 : 3,240,395
71 : 3,231,250
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72 : 3,231,250
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3,274,992
72 : 3,275,307
3,278,797
3,284,066
3,290,023
73 : 3,235,238
3,256,870
3,271,014
3,273,871
3,281,131
3,285,585
74 : 3,281,127
75 : 3,231,090
76 : 3,229,446
3,241,927
3,243,046
3,247,889
3,257,180
3,258,803
3,266,672
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77 : 3,242,071
3,245,834
3,246,761
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78 : 3,232,536
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79 : 3,231,090
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3,237,385
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.1 : 3,284,169
80 : 3,279,349
81 : 3,246,886
83 : 3,249,347
3,249,403
3,278,166
3,283,482
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84 : 3,256,100
3,261,595
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3,288,567
87 : 3,274,075
88 : 3,272,597
3,279,769
89 : 3,227,701
3,253,819
3,272,597
90 : 3,256,926
3,273,549
91 : 3,229,450
3,235,235
3,235,877
3,240,262
3,241,820
3,246,882
3,248,858
3,249,553
3,253,821
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3,282,575
3,283,478
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92 : 3,232,210
3,262,443
3,266,481
3,266,784
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93 : 3,227,701
3,256,987
3,278,170
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94 : 3,231,134
3,231,247
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94 : 3,282,033
95 : 3,235,234
96 : 3,232,434
3,281,127
3,290,866
97 : 3,228,665
3,235,234
3,253,820
3,273,872
3,290,024
3,290,025
98 : 3,241,617
99 : 3,227,064
3,256,802
3,272,485
100 : 3,231,134
102 : 3,235,234
103 : 3,251,586
3,278,175
104 : 3,275,074
105 : 3,273,867
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3,290,020
106 : 3,265,371
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108 : 3,226,894
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109 : 3,235,234
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3,290,867
111 : 3,233,881
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3,290,024
112 : 3,231,090
3,231,490
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3,292,998
113 : 3,233,708
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3,272,484
3,273,872
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114 : 3,233,389
3,233,879
3,233,881
3,278,169
3,289,733
3,293,149
115 : 3,227,427
3,233,287
3,236,031
3,237,381
3,239,200
3,250,266
3,263,977
3,268,296
3,279,770
3,282,334
3,282,575
3,291,463
116 : 3,228,667
3,233,881
3,241,617
3,251,174
3,257,777
3,262,685
3,263,413
3,264,805
116 : 3,275,062
3,282,032
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3,285,724
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117 : 3,227,429
3,257,777
3,259,171
3,267,648
118 : 3,237,381
3,239,999
3,248,858
3,248,860
3,260,036
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3,284,064
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3,291,105
3,292,913
119 : 3,249,347
3,264,804
120 : 3,235,234
3,287,002
121 : 3,236,214
3,241,921
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3,251,657
3,256,613
3,257,995
3,259,054
3,264,213
3,271,304
3,276,698
3,282,033
3,295,326
122 : 3,261,471
3,295,688
123 : 3,228,526
3,232,715
3,236,767
3,240,395
3,243,169
3,246,763
3,250,394
3,251,471
3,253,996
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3,266,672
3,271,304
3,276,994
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3,278,271
3,285,712
124 : 3,228,526
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3,232,866
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3,260,368
3,269,664
3,273,866
3,276,698
3,276,994
125 : 3,256,068
127 : 3,240,262
3,268,169
3,279,525
128 : 3,249,151
3,249,152
3,274,752
3,279,441
3,296,309
130 : 3,250,519
131 : 3,285,588
133 : 3,282,261
138 : 3,266,784
140 : 3,242,058
3,256,100
3,259,273
141 : 3,265,305
3,266,553
142 : 3,234,357
3,259,172
3,280,580
3,293,149
144 : 3,247,889
3,273,161
146 : 3,241,926

Class 261—Con.

149 : 3,248,174
151 : 3,227,429
3,249,151
3,249,152
3,266,553
3,271,969
3,274,075
3,274,752
3,277,179
3,277,955
3,279,441
3,290,025
3,296,309
152 : 3,232,726
3,279,441
153 : 3,230,055
3,250,519
3,262,443
3,268,169
3,271,969
3,274,752
3,291,568
3,292,998
156 : 3,230,055
3,248,174
3,285,588
159 : 3,247,889
160 : 3,227,429
3,232,726
3,233,663
162 : 3,278,285

Class 262

3.2 : 3,231,340
48.2 : 3,290,382
78 : 3,290,382
448.8 : 3,227,075

Class 263

1 : 3,258,323
2 : 3,236,160
3,252,779
3,257,840
3 : 3,228,113
3,233,884
3,235,241
3,252,693
3,257,542
3,261,596
3,265,033
3,284,922
4 : 3,246,973
5 : 3,291,468
6 : 3,245,131
3,245,356
3,245,672
3,254,778
3,258,255
3,261,108
3,263,797
3,266,644
7 : 3,230,596
3,232,247
3,256,420
8 : 3,228,113
3,248,517
3,268,064
3,272,155
3,272,156
3,285,706
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9 : 3,280,428
10 : 3,233,335
3,238,636
11 : 3,244,494
3,248,206
3,266,789
12 : 3,249,347
15 : 3,249,663
3,276,756
16 : 3,288,452
19 : 3,239,960
3,244,445
3,246,434
3,253,641
3,254,881
3,256,612
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3,273,621
3,289,755
20 : 3,227,209
3,231,016
3,248,178
3,263,672
3,271,197
21 : 3,226,841
3,235,374
3,238,023
3,238,634
3,242,586
21 : 3,250,016
3,252,228
3,256,612
3,259,998
3,262,214
3,262,217
3,263,338
3,263,339
3,264,751
3,265,775
3,266,557
3,267,586
3,271,015
3,271,017
3,273,257
3,277,582
3,278,284
3,295,492
26 : 3,236,509
3,254,425
3,262,686
3,287,823
27 : 3,231,253
3,277,276
28 : 3,227,782
3,259,381
3,263,738
29 : 3,284,915
30 : 3,274,702
31 : 3,277,585
32 : 3,227,642
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3,252,227
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3,272,489
3,279,458
3,290,031
3,291,541
3,291,542
34.16: 3,279,892
35 : 3,232,714
3,239,593
36 : 3,233,565
3,252,200
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37 : 3,279,887
40 : 3,235,972
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41 : 3,260,783
43 : 3,248,099
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44 : 3,243,277
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45 : 3,256,665
46 : 3,233,015
3,251,587
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47 : 3,229,968
48 : 3,236,682
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50 : 3,252,692
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52 : 3,227,642
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52 : 3,260,513
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53 : 3,232,592
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3,243,172
3,250,520
3,254,882
3,257,219
3,266,788
3,271,015
3,276,755
3,285,590

Class 264

.5 : 3,228,749
.5 : 3,261,756
.5 : 3,274,068
.5 : 3,275,564
.5 : 3,278,454
.5 : 3,281,373
.5 : 3,287,279
.5 : 3,290,122
1 : 3,227,507
3,238,031
3,240,854
3,241,429
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3,256,373
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2 : 3,235,630
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4 : 3,240,607
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5 : 3,282,066
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6 : 3,288,582
7 : 3,231,413
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12 : 3,241,948
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13 : 3,228,805
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14 : 3,260,773
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15 : 3,227,783
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15 : 3,272,615
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16 : 3,241,948
19 : 3,226,827
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21 : 3,258,317
22 : 3,233,647
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23 : 3,239,005
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24 : 3,234,600
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25 : 3,240,846
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37 : 3,238,284
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38 : 3,284,554
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56 : 3,238,048
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58 : 3,245,129
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Class 264—Con.

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3,242,556
3,243,675
3,243,752
3,246,319
3,248,472
3,250,969
3,251,015
3,251,018
3,251,918
3,252,206
3,255,395
3,256,590
3,257,709
3,258,831
3,263,196
3,263,304
3,263,306
3,264,385
3,265,781
3,265,794
3,265,799
3,266,125
3,268,988
3,271,843
3,274,318
3,274,320
3,277,350
3,278,669
3,287,795
3,289,279
3,290,194
3,293,514
3,296,505
273 : 3,228,686
3,242,239
3,276,078
3,277,562
3,279,048
274 : 3,227,000
3,233,209
3,233,210
3,234,756
3,239,589
3,240,646
3,249,672
3,253,071
3,261,909
3,265,806
3,268,645
3,276,103
3,284,258
3,293,106
3,296,345
275 : 3,233,310
3,236,491
3,238,281
3,238,286
3,239,587
275 : 3,247,550
3,256,378
3,257,791
3,258,831
3,263,304
3,270,101
3,270,110
3,270,373
3,284,559
3,287,483
3,287,484
3,288,663
3,296,345
276 : 3,276,114
3,276,115
277 : 3,229,013
3,230,583
3,242,556
3,247,550
3,255,280
3,256,442
3,287,475
3,290,421
278 : 3,230,583
3,233,310
3,238,287
3,246,068
3,247,301
3,249,986
3,270,108
3,271,845
3,296,349
279 : 3,229,013
3,238,286
3,239,589
3,247,301
3,256,378
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3,263,304
3,264,385
3,268,643
3,271,222
3,273,890
3,296,347
280 : 3,228,066
3,234,312
3,238,280
3,246,365
3,246,814
3,250,841
3,254,146
3,256,783
3,275,730
3,276,943
3,290,420
3,296,343
281 : 3,226,767
3,229,362
3,236,616
3,243,328
3,255,288
3,277,048
282 : 3,227,592
3,235,933
3,255,064
3,290,209
283 : 3,291,678
3,295,180
284 : 3,241,429
3,246,365
3,255,288
3,256,376
285 : 3,255,288
286 : 3,235,432
3,242,828
3,245,121
3,287,194
288 : 3,231,557
3,243,845
3,244,680
3,247,039
3,248,365
3,253,072
3,261,903
3,265,769
3,265,777
3,265,789
3,268,639
3,283,981
3,284,551
3,290,420
289 : 3,248,753
3,254,146
3,254,148
3,255,065
3,257,488
3,271,495
3,277,224
3,284,223
3,284,551
3,286,009
290 : 3,226,792
3,233,019
3,243,413
290 : 3,247,300
3,248,463
3,248,772
3,249,671
3,251,913
3,256,241
3,256,258
3,260,776
3,261,812
3,263,298
3,265,790
3,266,082
3,274,314
3,274,317
3,275,720
3,277,525
3,278,663
3,291,778
3,293,339
3,296,344
291 : 3,228,066
3,238,282
3,244,779
3,244,780
3,244,780
3,246,065
3,250,835
3,251,917
3,254,145
3,255,277
3,256,375
3,257,486
3,263,011
3,264,392
3,265,798
3,268,637
3,283,045
3,288,900
295 : 3,229,013
3,243,328
3,244,788
3,284,260
296 : 3,229,362
3,234,310
3,254,147
3,268,637
3,271,490
3,271,503
3,283,045
3,284,553
297 : 3,233,021
3,235,638
3,240,851
299 : 3,259,676
3,283,042
3,293,337
3,296,346
301 : 3,246,339
3,268,355
3,281,259
306 : 3,273,167
307 : 3,239,913
3,286,011
308 : 3,231,645
3,245,865
3,248,460
3,259,679
3,274,026
309 : 3,229,014
3,233,289
3,235,645
3,253,075
3,281,396
3,288,735
3,289,371
3,291,882
310 : 3,231,645
3,236,619
310 : 3,237,244
3,246,069
3,268,634
3,293,018
3,293,344
311 : 3,228,759
3,240,849
3,249,665
3,253,070
3,253,075
3,255,281
3,265,785
3,267,182
3,271,500
3,274,301
3,280,232
3,282,667
3,283,714
3,290,423
3,290,426
3,293,024
312 : 3,263,274
3,273,216
3,278,665
3,279,501
3,280,232
3,282,667
3,288,898
313 : 3,230,286
3,231,442
3,233,310
3,235,643
3,236,709
3,240,854
3,245,648
3,246,056
3,247,548
3,255,284
3,265,795
3,265,798
3,267,191
3,273,205
3,278,654
3,279,917
3,284,556
3,290,418
3,296,344
314 : 3,258,384
3,261,891
3,262,155
3,270,111
3,292,338
316 : 3,231,647
3,251,908
3,260,657
3,261,901
3,265,783
3,269,886
3,280,240
3,285,864
3,296,344
317 : 3,229,014
3,230,286
3,233,310
3,255,284
3,266,915
3,267,193
3,271,488
3,284,556
3,291,870
318 : 3,229,004
3,243,490
3,247,548
3,271,501
3,283,047
3,283,050
3,284,553
3,289,252
3,290,157
319 : 3,244,777
3,246,056
3,255,277
3,261,897
3,265,787
3,274,303
3,281,259
3,286,008
3,287,486
320 : 3,229,010
3,251,729
3,256,375
3,265,798
3,270,116
3,270,408
3,272,094
3,274,047
3,288,900
321 : 3,234,065
3,239,585
3,242,239
3,243,485
3,243,485
3,244,346
3,251,920

321 : 3,261,456
3,262,136
3,263,010
3,264,387
3,284,275
322 : 3,229,011
3,231,650
3,232,615
3,247,298
3,261,898
3,280,240
323 : 3,231,647
3,234,771
3,260,780
3,280,423
3,284,560
3,290,420
324 : 3,231,650
3,234,077
3,239,586
3,280,237
3,291,773
325 : 3,241,208
3,264,393
3,273,762
326 : 3,229,013
3,237,672
3,245,853
3,246,065
3,276,930
3,278,668
3,283,053
327 : 3,234,310
3,240,853
3,244,779
3,244,780
3,256,564
3,281,509
3,284,553
328 : 3,231,644
3,232,422
3,234,308
3,238,286
3,238,287
3,239,589
3,241,187
3,241,191
3,242,246
3,242,564
3,243,752
3,243,851
3,244,778
3,246,066
3,247,550
3,249,660
3,252,184
3,253,066
3,263,013
3,265,782
3,265,797
3,268,645
3,271,337
3,271,483
3,271,491
3,271,845
3,274,318
3,275,054
3,277,048
3,277,222
3,278,665
3,285,873
3,287,483
3,287,485
3,288,903
3,289,252
3,290,157
3,290,422
3,291,883
3,296,353
329 : 3,229,331
3,230,288
3,231,656
3,241,191
3,245,116
3,253,303
3,259,674
3,259,682
3,261,056
3,265,800
3,268,635
3,268,636
3,270,115
3,278,992
3,281,899
3,295,165
330 : 3,232,231
3,241,834
3,245,867
3,269,826
3,281,256
3,281,509
3,287,146
331 : 3,235,636
331 : 3,235,637
3,242,247
3,264,387
3,265,640
3,268,466
3,278,654
3,278,662
3,288,902
332 : 3,248,215
3,264,380
3,279,917
333 : 3,238,279
3,257,220
3,270,113
334 : 3,239,316
3,239,591
3,251,668
3,254,145
3,267,181
3,271,501
3,278,136
3,281,110
3,284,557
3,291,878
336 : 3,234,310
3,236,619
3,271,236
3,276,081
3,284,557
337 : 3,241,208
3,267,191
338 : 3,229,016
3,231,442
3,242,446
3,243,397
3,247,299
3,251,909
3,260,780
3,264,382
3,278,473
3,279,936
3,284,248
3,295,818
339 : 3,226,767
3,234,314
3,241,936
3,251,920
3,271,490
3,283,045
3,284,557
340 : 3,231,543
3,234,147
3,244,346
3,258,775
3,264,090
3,286,009
3,287,787
3,291,877
3,296,348
342 : 3,228,745
3,233,018
3,234,313
3,236,238
3,236,586
3,236,587
3,249,671
3,250,837
3,250,841
3,253,317
3,253,875
3,255,064
3,255,284
3,262,451
3,274,302
3,276,929
3,282,758
3,293,097
343 : 3,228,745
3,236,586
3,236,587
3,239,586
3,244,789
3,251,913
3,253,875
3,256,374
3,269,886
3,289,973
344 : 3,271,496
345 : 3,231,657
3,233,020
3,238,279
3,250,835
3,250,837
3,253,875
3,261,903
3,265,790
3,270,408
3,274,304
3,275,724
3,277,525
3,284,557
346 : 3,242,248
3,250,841
3,265,797
3,293,341
347 : 3,229,011
3,233,020
3,249,658
3,250,840
3,281,515
3,284,557
3,288,899
348 : 3,250,841
3,258,515
3,291,880
3,293,345
349 : 3,230,286
3,235,640
3,275,731

Class 266

2 : 3,269,354
.5 : 3,276,920
.5 : 3,278,301
3 : 3,230,596
3,235,241
3,235,416
3,262,688
3,277,270
3,281,229
3,287,177
3,290,481
4 : 3,235,241
3,239,201
3,243,281
3,249,424
3,251,588
3,262,420
3,264,143
3,266,644
3,266,956
3,268,370
3,268,705
3,275,481
3,276,924
3,277,266
3,277,267
3,287,177
3,293,086
5 : 3,236,507
3,243,509
3,245,671
3,246,434
3,246,956
3,249,348
3,256,120
3,259,381
3,261,596
3,262,688
3,266,956
3,268,371
3,269,354
3,271,019
3,272,489
3,275,481
3,276,920
3,279,774
3,290,033
6 : 3,245,671
3,262,688
3,271,019
3,289,449
3,293,086
8 : 3,251,588
3,271,019
11 : 3,234,010
12 : 3,242,015
3,264,099
13 : 3,235,374
3,248,177
3,254,986
14 : 3,241,823
3,260,512
15 : 3,248,177
3,249,424
16 : 3,234,013
3,249,424
3,271,134
3,284,189
17 : 3,234,013
18 : 3,233,982
3,236,606
3,272,489
3,284,075
19 : 3,240,590
20 : 3,236,607
3,288,590
3,295,954
21 : 3,244,507
3,249,422
3,254,986
3,258,409
3,260,513
3,262,770
3,265,377
3,275,431
3,285,735
3,288,449
21 : 3,295,953
23 : 3,228,452
3,230,116
3,230,117
3,231,430
3,231,431
3,232,538
3,232,748
3,239,205
3,245,842
3,246,398
3,265,378
3,288,980
24 : 3,231,253
3,235,376
3,245,672
3,249,347
3,290,738
3,292,914
3,295,844
25 : 3,234,010
3,250,522
3,253,823
3,253,906
3,258,856
3,262,687
3,262,774
43 : 3,227,433
3,233,015
3,246,889
3,258,255
3,258,257
3,262,687
3,272,490
3,282,578
3,295,845

Class 267

1 : 3,228,638
3,229,715
3,229,798
3,229,939
3,229,951
3,229,954
3,230,008
3,230,024
3,230,295
3,230,595
3,230,740
3,231,772
3,233,709
3,235,049
3,235,207
3,235,221
3,235,303
3,235,919
3,236,120
3,237,574
3,237,726
3,237,739
3,237,906
3,238,647
3,238,743
3,238,779
3,238,780
3,239,185
3,239,700
3,239,804
3,240,073
3,241,809
3,241,875
3,242,512
3,242,726
3,243,108
3,243,154
3,243,232
3,243,943
3,244,393
3,244,399
3,245,571
3,245,646
3,246,075
3,246,652
3,246,836
3,246,915
3,247,596
3,247,975
3,249,233
3,249,329
3,249,330
3,250,331
3,250,503
3,250,508
3,251,028
3,251,076
3,251,077
3,251,078
3,252,477
3,253,827
3,255,298
3,255,470
3,255,860
3,257,109
1 : 3,258,029
3,259,142
3,259,252
3,259,937
3,260,536
3,262,137
3,262,138
3,262,532
3,262,661
3,262,693
3,263,247
3,263,504
3,263,953
3,263,954
3,263,983
3,263,985
3,264,884
3,265,163
3,265,345
3,266,139
3,266,716
3,266,758
3,267,677
3,268,199
3,268,200
3,269,696
3,270,725
3,270,822
3,270,998
3,272,494
3,272,496
3,272,569
3,272,570
3,275,164
3,275,275
3,275,354
3,275,357
3,276,048
3,276,555
3,277,555
3,277,601
3,278,153
3,279,820
3,280,410
3,280,956
3,281,101
3,282,069
3,284,061
3,284,122
3,284,842
3,285,144
3,285,594
3,285,595
3,285,673
3,286,657
3,286,960
3,287,008
3,288,405
3,288,419
3,288,541
3,288,635
3,289,692
3,289,998
3,290,082
3,290,945
3,291,134
3,291,150
3,291,428
3,291,544
3,292,884
3,295,157
3,295,382
3,295,808
3,295,880
3,296,366
3,235,208
3,238,704
.5 : 3,261,612
.5 : 3,268,234
.5 : 3,281,156
.5 : 3,282,595
.5 : 3,284,880
.5 : 3,286,646
3 : 3,240,163
3,257,969
3,276,395
8 : 3,231,255
3,233,928
3,240,355
3,254,899
9 : 3,276,760
10 : 3,262,463
11 : 3,231,257
3,235,022
3,237,962
3,254,902
3,269,747
3,279,556
15 : 3,268,237
3,269,418
3,276,476
16 : 3,257,123
18 : 3,233,915
3,237,957
19 : 3,243,198
3,256,007
20 : 3,231,040
3,237,962
3,240,508
3,256,028
3,257,121
3,257,125
3,261,621
3,278,197
3,290,036
21 : 3,241,856
3,273,665
3,275,387
24 : 3,254,899
25 : 3,235,022
30 : 3,254,902
31 : 3,237,957
3,269,418
3,276,476
3,284,095
3,288,487
3,290,055
.1 : 3,235,941
.1 : 3,257,124
.1 : 3,257,969
.1 : 3,263,984
.1 : 3,275,387
.1 : 3,290,053
58 : 3,237,961
60 : 3,269,069
3,282,605
3,288,455
61 : 3,244,831
3,263,982
3,278,176
62 : 3,279,105
63 : 3,231,256
3,231,304
3,235,244
3,236,513
3,241,875
3,242,877
3,257,969
3,259,397
3,265,380
3,279,559
3,279,779
3,279,820
3,285,594
3,290,055
3,254,902
3,288,500
56 : 3,233,915
3,241,858
3,257,123
57 : 3,228,481
3,229,783
3,239,013
3,241,620
3,243,199
3,245,492
3,246,716
3,259,201
3,261,308
3,269,747
3,272,492
3,275,091
3,276,762
3,279,556
3,284,095
3,288,487
3,290,055
44 : 3,231,291
47 : 3,231,258
3,238,072
3,241,854
48 : 3,288,456
52 : 3,227,468
3,231,291
3,250,546
3,254,902
3,261,622
54 : 3,230,000
3,235,022
3,250,546
3,254,902
3,288,500
64 : 3,227,435
3,227,466

Class 267—Con.

64 : 3,231,257
3,232,634
3,236,512
3,237,726
3,244,013
3,246,905
3,250,525
3,258,134
3,259,252
3,262,581
3,273,876
3,275,164
3,276,763
3,279,781
3,281,138
3,282,512
3,285,617
65 : 3,227,470
3,233,886
3,235,221
3,248,879
3,250,065
3,250,543
3,252,587
3,257,000
3,266,603
3,269,418
3,276,476
3,284,094
3,286,657
66 : 3,239,235
3,246,911
67 : 3,229,783
3,231,040
3,246,703
3,254,611
3,256,028
3,257,121
3,259,201
69 : 3,228,481
3,238,647
70 : 3,242,541
3,269,774
71 : 3,231,950
3,250,524
3,271,029
74 : 3,285,673
80 : 3,242,512
3,251,077
3,262,137
82 : 3,247,530
83 : 3,255,470
84 : 3,239,584
88 : 3,267,495
89 : 3,241,879
91 : 3,231,906
3,261,037
95 : 3,248,745
97 : 3,266,844
102 : 3,230,880
103 : 3,266,844
105 : 3,248,745
3,259,435
3,261,037
106 : 3,264,034
107 : 3,244,414
3,285,597
3,286,281
109 : 3,244,414
110 : 3,271,076
3,275,357
3,276,801
3,288,503
112 : 3,234,567
3,276,765

Class 268

3 : 3,231,880
48 : 3,245,178
53 : 3,231,880
66 : 3,236,552
3,244,415
73 : 3,285,209
75 : 3,247,990
3,272,552
99 : 3,236,557
104 : 3,236,557
126 : 3,231,301
3,273,410
132 : 3,235,248
3,237,250
3,241,283
133 : 3,228,677
288 : 3,296,351

Class 269

6 : 3,269,229
7 : 3,242,556
3,287,798
8 : 3,241,220
8 : 3,262,232
3,268,428
3,280,715
3,284,962
9 : 3,243,921
3,267,581
15 : 3,279,428
20 : 3,232,601
3,240,503
21 : 3,229,345
3,229,953
3,234,641
3,249,479
3,282,763
22 : 3,236,924
3,237,252
3,253,854
25 : 3,266,536
3,271,808
26 : 3,255,943
32 : 3,242,249
3,281,140
35 : 3,273,878
37 : 3,239,209
3,246,389
3,295,731
40 : 3,245,643
3,289,268
47 : 3,227,395
3,233,908
3,236,924
3,257,108
48.1 : 3,261,529
.1 : 3,263,058
.1 : 3,270,411
51 : 3,243,094
52 : 3,243,094
3,259,964
56 : 3,243,094
57 : 3,248,790
58 : 3,248,101
3,269,524
59 : 3,238,819
3,243,094
61 : 3,243,177
71 : 3,243,178
3,295,731
73 : 3,273,879
74 : 3,232,601
3,273,879
79 : 3,248,177
86 : 3,241,352
3,266,793
91 : 3,232,603
3,245,678
3,286,744
94 : 3,292,812
104 : 3,228,100
3,290,039
105 : 3,278,177
106 : 3,235,156
107 : 3,244,416
108 : 3,285,490
130 : 3,285,490
152 : 3,236,159
3,258,821
3,284,050
153 : 3,291,422
3,296,436
154 : 3,243,177
3,262,694
3,273,613
3,286,744
156 : 3,263,535
157 : 3,238,867
3,241,827
3,245,677
3,264,721
3,265,338
166 : 3,229,553
167 : 3,239,941
189 : 3,284,883
191 : 3,237,244
196 : 3,288,062
3,292,812
201 : 3,284,883
205 : 3,237,244
3,255,992
208 : 3,238,867
210 : 3,273,613
215 : 3,273,613
218 : 3,244,291
221 : 3,246,368
224 : 3,238,867
228 : 3,237,463
235 : 3,257,908
236 : 3,233,948
3,238,867
3,243,055
238 : 3,232,601
3,241,827
3,249,350
3,269,524
3,287,042
239 : 3,227,438
240 : 3,232,602
243 : 3,239,210
246 : 3,236,516
249 : 3,245,676
3,249,351
3,258,821
250 : 3,232,602
254 : 3,253,340
3,259,563
3,263,293
3,269,524
3,282,824
3,287,765
257 : 3,232,603
3,245,676
3,245,678
3,247,742
3,280,671
261 : 3,276,798
264 : 3,285,490
265 : 3,245,675
3,285,490
268 : 3,245,289
270 : 3,284,050
3,284,883
3,291,476
272 : 3,273,209
274 : 3,273,933
275 : 3,245,676
284 : 3,239,210
286 : 3,262,197
287 : 3,226,734
3,233,984
3,242,774
3,247,624
3,262,232
3,262,408
3,263,314
3,290,040
288 : 3,278,957
289 : 3,235,156
290 : 3,244,044
291 : 3,269,241
296 : 3,236,159
3,243,178
3,262,664
3,290,040
303 : 3,248,101
3,256,761
3,264,723
3,274,689
3,280,863
304 : 3,233,888
305 : 3,239,941
3,244,416
3,256,585
306 : 3,245,299
3,245,675
310 : 3,284,962
316 : 3,230,811
317 : 3,245,299
319 : 3,241,220
3,243,180
3,244,416
3,262,695
3,284,884
320 : 3,245,605
321 : 3,253,340
3,276,122
322 : 3,274,974
323 : 3,240,935
324 : 3,265,432
325 : 3,257,670
326 : 3,289,674
327 : 3,286,694
328 : 3,226,734
3,234,623
3,271,028
3,286,694
3,289,674
3,295,518

Class 270

11 : 3,249,352
13 : 3,263,988
15 : 3,272,609
18 : 3,245,367
31 : 3,227,390
3,260,143
3,284,017
37 : 3,231,261
3,233,526
3,237,934
3,260,516
41 : 3,245,680
3,291,678
45 : 3,252,699
3,255,569
3,260,029
52 : 3,239,211
.5 : 3,255,662
.5 : 3,278,178
52.5 : 3,283,874
53 : 3,284,077
54 : 3,260,516
58 : 3,229,599
3,283,705
59 : 3,232,605
60 : 3,272,044
61 : 3,231,157
3,282,585
66 : 3,266,794
68 : 3,229,973
3,260,029
3,260,518
3,265,382
69 : 3,260,029
72 : 3,231,261
78 : 3,252,384
79 : 3,260,037
3,276,605
81 : 3,252,700
83 : 3,227,119
84 : 3,241,829
3,252,700
93 : 3,231,958
3,254,374
94 : 3,260,639
3,273,522
3,286,435

Class 271

2 : 3,266,795
3,271,926
3,288,037
3 : 3,246,616
3,258,530
3,281,807
4 : 3,234,359
3,249,355
3,287,010
5 : 3,252,701
3,259,239
8 : 3,292,923
9 : 3,241,485
3,269,082
3,290,041
11 : 3,236,517
3,252,701
3,257,925
3,279,785
3,292,340
18 : 3,228,130
3,266,406
3,270,654
19 : 3,276,770
20 : 3,231,264
3,257,925
3,265,383
22 : 3,253,824
3,285,601
23 : 3,281,143
24 : 3,265,383
3,273,884
25 : 3,253,824
3,273,884
26 : 3,259,239
3,259,992
3,260,519
3,272,549
3,278,078
27 : 3,241,757
3,241,830
3,279,785
3,284,270
28 : 3,252,701
3,287,011
29 : 3,241,487
3,281,142
3,291,482
30 : 3,240,488
3,259,384
31 : 3,252,701
3,280,959
32 : 3,241,484
3,270,628
3,279,786
34 : 3,227,344
3,260,520
35 : 3,260,520
3,262,697
3,279,786
36 : 3,235,940
3,246,616
3,246,891
3,258,530
3,259,417
3,272,500
3,277,809
3,279,785
3,291,480
37 : 3,262,697
3,269,591
3,272,500
39 : 3,237,935
39 : 3,291,481
40 : 3,237,935
41 : 3,231,265
3,232,604
3,233,532
3,244,081
3,250,529
3,263,390
3,271,926
3,279,789
3,288,461
42 : 3,260,402
3,269,590
3,272,498
3,275,192
3,291,480
43 : 3,249,353
44 : 3,242,827
3,251,593
3,272,499
3,273,472
3,279,788
3,285,602
45 : 3,258,866
3,290,041
46 : 3,227,344
3,228,273
3,273,726
48 : 3,288,459
49 : 3,285,389
50 : 3,256,009
3,263,989
3,276,772
3,277,298
51 : 3,229,608
3,241,665
3,243,579
3,246,591
3,246,822
3,255,662
3,263,590
3,278,179
3,279,785
3,284,270
3,287,013
52 : 3,269,627
54 : 3,245,682
3,259,239
3,269,590
55 : 3,247,949
56 : 3,258,262
3,260,519
3,278,754
3,281,145
3,285,608
3,288,461
57 : 3,231,263
3,231,264
3,232,604
3,241,831
3,244,971
3,249,353
3,259,239
3,264,630
3,265,384
3,266,795
3,276,771
3,279,787
3,281,145
3,283,163
3,287,012
3,288,462
58 : 3,239,212
3,245,683
3,250,529
3,252,701
3,276,773
3,285,601
59 : 3,227,346
3,248,106
60 : 3,231,263
3,263,989
3,263,992
3,276,772
3,276,773
3,281,144
3,285,601
3,288,460
3,289,507
61 : 3,239,212
3,260,402
3,272,502
3,285,601
3,288,460
62 : 3,232,606
3,252,701
3,259,239
3,260,521
3,273,884
3,279,789
3,285,604
3,291,481
64 : 3,254,887
3,264,917
64 : 3,267,782
3,273,882
3,283,705
3,285,603
3,288,462
65 : 3,292,923
68 : 3,228,273
3,229,805
3,231,100
3,236,162
3,241,692
3,254,886
3,262,697
3,262,699
3,266,796
3,284,081
3,288,312
3,295,483
69 : 3,233,889
3,239,214
3,253,489
3,255,652
3,262,699
3,273,886
3,282,585
3,290,041
79 : 3,233,889
3,266,796
3,275,318
80 : 3,263,990
3,271,026
3,279,785
82 : 3,263,991
3,278,179
3,283,710
84 : 3,281,146
85 : 3,231,267
86 : 3,229,599
3,240,490
3,245,342
3,256,011
3,258,264
3,266,798
3,270,630
3,288,312
87 : 3,249,355
3,266,799
3,272,505
88 : 3,231,100
3,233,891
3,255,895
3,256,010
3,258,265
3,260,518
3,265,387
3,270,600
3,279,792
3,285,607
89 : 3,236,162
3,239,944
3,249,353
89 : 3,256,010
3,272,505
3,280,679
3,285,607
3,288,312
3,291,485
3,295,492

Class 272

1 : 3,246,403
3,246,893
3,250,532
3,254,444
3,279,102
3,284,819
3,285,220
3,295,252
3 : 3,241,270
4 : 3,229,883
5 : 3,255,733
6 : 3,261,308
8 : 3,237,340
3,243,914
3,244,468
3,245,174
3,260,014
3,260,016
3,261,207
3,270,441
3,271,486
3,272,510
3,289,347
.5 : 3,292,287
10 : 3,245,310
13 : 3,229,578
14 : 3,238,642
15 : 3,243,183
24 : 3,270,441
27 : 3,228,139
28 : 3,295,224
31 : 3,246,423
36 : 3,276,777
41 : 3,281,964
44 : 3,235,251
3,279,793
49 : 3,286,707
50 : 3,243,184
53.1 : 3,247,683
55 : 3,261,605
56.5 : 3,250,530
57 : 3,268,223
3,269,746
3,287,016
58 : 3,235,253
3,262,701
3,269,768
3,286,708
59 : 3,251,076
3,258,266
3,265,401
.1 : 3,242,588
60 : 3,242,509
3,246,893
3,260,523
3,261,605
3,279,794
62 : 3,258,790
65 : 3,246,893
3,256,021
68 : 3,268,225
69 : 3,260,523
70 : 3,255,115
.1 : D204,281
.2 : 3,272,210
.3 : 3,279,567
.3 : 3,280,831
.4 : 3,256,035
71 : 3,263,677
73 : 3,227,447
74 : 3,228,684
76 : 3,229,979
78 : 3,227,450
3,234,685
3,281,148
79 : 3,228,392
3,235,255
3,285,070
82 : 3,290,043
83 : 3,236,101
3,237,944
3,278,185
84 : 3,231,281
3,235,255
3,246,894
3,268,224
3,290,044
198 : 3,286,652

Class 273

1 : 3,231,276
3,235,263
3,237,341

1 : 3,270,334
3,270,439
.5 : 3,244,420
6 : 3,263,996
26 : 3,236,521
32 : 3,228,696
3,233,802
3,242,582
3,268,228
3,289,928
34 : 3,240,183
37 : 3,236,149
3,263,255
3,268,227
3,289,574
3,295,439
41 : 3,259,388
43 : 3,240,493
48 : 3,275,325
49 : 3,228,685
3,237,942
50 : 3,231,272
51 : 3,250,535
3,268,227
53 : 3,233,901
3,248,110
3,257,112
54 : 3,228,123
3,228,685
3,233,901
3,235,257
3,236,223
3,241,837
3,251,597
3,257,112
3,257,898
3,258,091
3,276,686
3,279,097
3,281,855
3,281,883
3,282,499
3,284,928
3,290,043
3,292,925
3,295,439
55 : 3,236,101
3,251,109
3,269,728
58 : 3,227,450
3,256,019
3,262,700
3,262,703
3,266,804
59 : 3,237,941
60 : 3,256,019
3,279,796
62 : 3,271,119
63 : 3,252,705
3,270,108
64 : 3,243,217
3,258,091
65 : 3,227,450
3,229,976
3,230,663
67 : 3,229,979
3,239,224
3,246,894
3,263,362
3,265,401
3,266,804
3,268,226
68 : 3,292,925
72 : 3,246,894
73 : 3,231,271
77 : 3,266,805
80 : 3,233,905
3,245,686
3,260,525
3,265,401
.1 : 3,240,497
.2 : 3,266,805
.7 : 3,240,497
.7 : 3,260,525
.9 : 3,269,730
81 : 3,269,730
3,295,850
.2 : 3,227,455
.2 : 3,229,980
.2 : 3,240,497
.2 : 3,245,686
.3 : 3,263,998
.4 : 3,227,455
.4 : 3,245,686
.5 : 3,252,706
82 : 3,236,070
3,240,646
3,245,441
3,265,392
3,292,925
86 : 3,228,600
3,233,363
3,239,963
3,241,263
86 : 3,253,364
3,283,439
3,283,440
3,292,926
3,295,848
93 : 3,235,261
94 : 3,273,282
95 : 3,227,450
3,272,507
3,275,325
98 : 3,272,507
3,288,466
100 : 3,232,285
3,241,540
3,272,509
101 : 3,272,509
3,288,467
.1 : 3,240,924
.1 : 3,243,896
.1 : 3,257,741
.2 : 3,269,731
102 : 3,240,924
3,256,629
3,272,510
3,285,066
.1 : 3,254,433
.1 : 3,272,507
.1 : 3,281,148
.1 : 3,285,066
.2 : 3,252,705
.2 : 3,254,433
.4 : 3,227,449
.4 : 3,285,066
103 : 3,231,277
3,233,896
3,233,899
3,260,527
3,264,000
3,264,001
104 : 3,272,509
105 : 3,228,690
3,231,277
3,231,280
3,237,946
3,241,837
3,249,358
3,254,892
3,256,021
3,260,527
.3 : 3,251,565
.3 : 3,272,510
.4 : 3,246,642
.4 : 3,273,835
.6 : 3,231,280
106 : 3,232,618
3,264,776
3,264,777
.5 : 3,228,690
.5 : 3,238,935
.5 : 3,251,353
.5 : 3,273,553
.5 : 3,275,321
.5 : 3,277,893
.5 : 3,282,262
109 : 3,295,250
110 : 3,249,358
111 : 3,278,187
115 : 3,228,689
3,237,946
116 : 3,236,522
118 : 3,287,018
120 : 3,249,358
3,251,155
3,292,926
121 : 3,275,324
3,295,229
123 : 3,275,322
3,287,017
125 : 3,228,688
3,275,325
126 : 3,232,619
3,237,947
3,239,226
127 : 3,227,448
3,231,278
3,232,619
3,264,000
3,275,324
3,287,018
128 : 3,232,619
3,268,227
129 : 3,227,452
3,231,277
3,232,619
3,236,223
3,246,642
3,265,391
3,275,324
3,288,467
130 : 3,267,590
3,275,321
134 : 3,228,695
135 : 3,228,695
3,235,260
135 : 3,271,529
3,292,926
136 : 3,232,620
3,235,261
3,236,523
3,238,645
3,253,828
3,254,893
3,254,894
137 : 3,232,620
3,251,600
3,253,828
3,254,893
138 : 3,227,453
3,228,690
3,275,322
3,275,323
3,295,848
139 : 3,266,724
141 : 3,232,622
3,233,345
142 : 3,227,453
3,232,622
3,254,894
143 : 3,285,380
144 : 3,240,496
3,289,321
146 : 3,233,343
148 : 3,289,928
150 : 3,232,622
151 : 3,236,523
152.1 : 3,236,524
.1 : 3,259,389
.44 : 3,236,524
.7 : 3,245,687
156 : 3,280,499
3,290,798
157 : 3,242,594
3,281,966
162 : 3,242,582
3,253,829
164 : 3,260,525
3,295,850
166 : 3,255,462
167 : 3,229,980
3,233,905
3,266,805
168 : 3,240,497
3,260,525
169 : 3,250,536
3,266,805
171 : 3,240,497
3,260,525
173 : 3,240,497
174 : 3,240,497
175 : 3,260,525
179 : 3,260,527
180 : 3,275,325
181 : 3,227,449
3,288,467
182 : 3,260,527
184 : 3,234,794
3,254,433
3,292,436
185 : 3,282,109
3,288,467
186 : 3,270,564
187 : 3,275,320
188 : 3,275,320
189 : 3,235,258
3,249,359
3,269,729
190 : 3,228,696
3,243,186
3,268,228
191 : 3,246,898
192 : 3,232,623
3,269,733
193 : 3,229,980
3,246,894
194 : 3,253,829
3,262,705
3,273,893
201 : 3,229,982
211 : 3,288,470
218 : 3,238,156
3,241,834
230 : 3,239,228
3,241,834
235 : 3,238,156
3,239,228
3,241,834
3,268,634
3,288,469

Class 274

1 : D206,461
3,234,687
3,235,266
3,237,952
3,244,207
3,265,394
3,278,189
1 : 3,280,272
3,281,152
3,284,085
3,286,396
3,291,487
3,292,932
3,292,933
3,292,934
3,292,935
2 : 3,268,229
4 : 3,231,685
3,235,265
3,238,842
3,240,880
3,243,189
3,251,263
3,275,328
3,278,188
3,278,694
3,284,084
3,285,612
3,285,613
3,291,920
9 : 3,233,045
3,238,644
3,239,229
3,245,688
3,259,010
3,260,528
3,276,144
3,281,854
10 : D205,724
3,241,840
3,246,899
11 : 3,229,045
3,254,856
3,258,153
3,258,908
3,271,034
3,281,039
3,285,610
3,286,943
3,287,849
15 : 3,271,035
17 : 3,239,230
3,254,347
3,266,172
3,275,328
19 : 3,244,200
3,256,025
20 : 3,268,230
21 : 3,242,268
23 : 3,244,422
3,261,608
3,261,610
3,272,513
3,272,514
3,273,897
3,275,327
3,281,150
3,281,152
3,281,154
3,282,588
3,282,590
3,283,411
3,290,045
3,291,488
24 : RE.25,975
3,254,897
35 : 3,273,894
36 : 3,235,673
3,243,523
3,245,690
37 : 3,230,317
3,235,673
3,236,956
3,243,523
3,243,524
3,245,084
3,266,808
3,268,231
3,273,897
38 : 3,235,672
39 : 3,233,045
3,239,229
3,240,499
3,249,360
3,260,528
3,263,953
3,265,394
3,272,512
3,275,327
41.4 : 3,230,824
.4 : 3,248,372
.4 : 3,263,499
.4 : 3,267,484
.4 : 3,269,854
.4 : 3,280,481
.4 : 3,285,612
42 : 3,260,528
3,260,529
3,277,064
3,285,609
43 : 3,255,537
43 : 3,285,612
44 : 3,267,484
46 : 3,261,610
3,275,326
47 : 3,266,807

Class 275

1 : 3,241,173
2 : 3,235,023
3,280,973
3,289,899
4 : 3,235,268
5 : 3,295,866
6 : 3,295,855
8 : 3,229,984
3,232,627
3,235,107
14 : 3,229,857
3,256,026
15 : 3,232,458
3,232,626
3,261,514
3,273,898

Class 276

37 : 3,295,668

Class 277

1 : 3,230,290
3,238,538
3,257,719
3,258,520
3,261,086
3,270,610
2 : 3,258,271
3,276,246
3 : 3,276,246
4 : 3,240,502
3,288,164
3,290,427
6 : 3,268,233
8 : 3,272,518
9 : 3,243,171
3,246,393
3,246,902
3,257,117
3,257,719
3,260,280
3,273,899
3,280,002
10 : 3,261,086
11 : 3,249,363
3,262,722
3,285,632
12 : 3,244,424
3,264,004
3,272,516
15 : 3,235,269
3,236,051
3,257,957
17 : 3,259,391
3,292,847
18 : 3,236,529
3,276,246
19 : 3,240,886
3,244,424
3,279,376
3,288,190
21 : 3,235,269
22 : 3,291,489
23 : 3,291,489
25 : 3,252,298
26 : 3,269,735
3,272,521
3,275,243
3,277,797
27 : 3,233,834
3,247,797
3,275,330
3,282,592
28 : 3,246,901
3,276,246
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29 : 3,227,497
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32 : 3,236,529
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33 : 3,232,303
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35 : 3,275,331
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40 : 3,239,232
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43 : 3,269,738
47 : 3,269,736
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51 : 3,254,898
53 : 3,273,906
56 : 3,262,635
57 : 3,259,391
58 : 3,253,835
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62 : 3,236,339
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63 : 3,233,824
64 : 3,233,824
65 : 3,235,273
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3,275,330
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66 : 3,240,502
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67 : 3,236,529
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68 : 3,241,842
70 : 3,268,232
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83 : 3,230,978
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84 : 3,275,334
85 : 3,241,866
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87 : 3,231,284
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88 : 3,241,866
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91 : 3,272,518
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92 : 3,228,304
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94 : 3,262,284
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95 : 3,227,463
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101 : 3,254,153
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102 : 3,227,462
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103 : 3,228,703
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104 : 3,257,118
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134 : 3,228,342
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155 : 3,284,087
156 : 3,235,274
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160 : 3,282,595
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162 : 3,243,171
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163 : 3,276,782
165 : 3,244,333
3,276,825

Class 277—Con.

165 : 3,277,796
166 : 3,231,289
3,246,680
3,247,752
3,265,107
3,286,577
168 : 3,233,907
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169 : 3,231,287
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175 : 3,232,303
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176 : 3,253,617
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177 : 3,241,379
3,259,392
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178 : 3,228,039
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3,244,802
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185 : 3,280,916
186 : 3,252,342
187 : 3,246,793
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190 : 3,250,538
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194 : 3,272,520
196 : 3,275,243
197 : 3,295,857
198 : 3,250,538
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3,260,540
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211 : 3,275,335
212 : 3,227,478
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233 : 3,250,406
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235 : 3,233,834
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Class 279

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3,273,292
3,284,959
2 : 3,228,678
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3,272,041
3,272,447
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3 : 3,253,972
3,272,350
3,272,611
4 : 3,227,070
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3,293,402
5 : 3,251,592
7 : 3,270,427
9 : 3,271,053
16 : 3,273,357
19.5 : 3,275,376
22 : 3,259,382
23 : 3,248,120
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28 : 3,273,611
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41 : 3,230,342
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42 : 3,246,725
46 : 3,230,342
48 : 3,273,357
50 : 3,273,907
51 : 3,234,851
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75 : 3,239,136
76 : 3,255,792
79 : 3,246,930
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97 : 3,260,319
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103 : 3,244,426
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Class 280

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.183 3,229,995
.188 3,259,395
.204 3,284,090
.208 3,259,395
3 : 3,272,172
5 : 3,227,410
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.22: 3,231,036
.22: 3,259,200
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.22: 3,288,234
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.24: 3,266,813
.26: 3,253,632
.26: 3,283,839
.28: 3,279,812
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33.99: 3,245,498
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3,269,748
408 : 3,240,164
3,241,850
3,246,912
3,250,340
3,252,714
409 : 3,291,012
411 : 3,237,968
3,240,508
413 : 3,233,935
414 : 3,239,081
3,262,139
3,266,836
3,271,798
3,273,661
415 : 3,226,818
3,240,005
3,257,124
3,259,400
3,262,592
3,271,050
3,282,365
3,285,449
418 : 3,246,912
419 : 3,246,884
421 : 3,241,865
3,279,827
423 : 3,237,966
3,241,876
3,246,913
3,257,124
3,262,592
3,288,492
425 : 3,250,506
3,254,900
3,257,124
426 : 3,282,367
3,291,503
429 : 3,237,966
3,253,839
432 : 3,254,900
3,265,407
3,284,097
433 : 3,245,732
3,246,912
3,250,506
3,269,159
3,275,340
3,275,390
3,278,198
3,287,038
434 : 3,268,250
438 : 3,237,966
3,256,042
3,260,385
438 : 3,278,198
439 : 3,252,714
3,257,124
440 : 3,227,470
3,253,840
442 : 3,288,491
3,290,058
443 : 3,229,986
3,291,503
445 : 3,284,094
446 : 3,255,828
449 : 3,279,827
452 : 3,245,489
456 : 3,239,168
3,240,005
457 : 3,263,766
3,269,751
3,284,097
458 : 3,232,586
459 : 3,263,833
3,284,099
460 : 3,232,586
3,238,809
3,252,712
3,255,828
3,260,537
3,280,919
3,295,611
3,295,866
461 : 3,226,818
3,231,294
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468 : 3,253,671
469 : 3,288,367
475 : 3,233,766
3,238,678
3,266,817
3,273,733
3,281,160
3,287,026
476 : 3,269,749
3,292,948
477 : 3,243,200
3,285,443
478 : 3,228,546
3,281,163
3,282,365
3,287,027
479 : 3,231,294
3,254,863
3,254,900
3,275,342
3,295,865
480 : 3,233,913
3,265,407
3,271,049
3,295,792
481 : 3,227,300
3,252,716
3,265,428
3,275,342
3,285,625
482 : 3,243,202
3,244,434
483 : 3,240,508
485 : 3,235,020
486 : 3,242,993
3,281,161
488 : 3,250,524
3,284,097
489 : 3,265,406
3,284,098
3,295,866
490 : 3,235,284
3,246,458
3,250,340
3,252,716
3,254,905
3,261,409
3,269,748
3,269,751
3,281,161
491 : 3,234,620
3,236,539
3,241,862
3,252,716
3,262,505
3,269,750
3,281,162
3,283,927
492 : 3,240,284
493 : 3,281,162
3,287,027
494 : 3,239,242
3,241,862
495 : 3,232,586
496 : 3,269,748
497 : 3,243,200
499 : 3,241,862
3,243,200
3,295,611
502 : 3,229,874
503 : 3,232,586
503 : 3,255,577
504 : 3,237,968
3,276,687
505 : 3,284,101
507 : 3,228,445
3,269,159
509 : 3,266,817
511 : 3,229,391
3,237,969
513 : 3,237,977
514 : 3,227,467
3,252,712
515 : 3,247,753
3,254,900

Class 281

1 : 3,267,841
3 : 3,243,205
5 : 3,237,973
3,259,304
7 : 3,245,739
8 : 3,235,288
15 : 3,243,908
3,286,388
16 : 3,242,596
3,275,343
3,280,481
17 : 3,267,841
19 : 3,252,462
3,262,454
3,267,841
21 : 3,250,162
3,259,906
3,261,066
3,278,504
25 : 3,260,264
3,263,444
29 : 3,244,436
3,257,128
3,260,264
3,262,454
30 : 3,256,618
31 : 3,267,841
33 : 3,270,449
42 : 3,266,456
3,269,752
44 : 3,227,415
3,232,397
3,242,592
3,261,360
3,269,043
3,283,421

Class 282

1 : 3,290,061
11.5 : 3,237,972
.5 : 3,261,623
22 : 3,236,542
3,255,679
3,255,696
3,280,483
3,280,493
23 : 3,233,918
25 : 3,253,545
28 : 3,280,483
29 : 3,227,474
3,235,288
3,243,205
3,250,549
402 : 3,288,684

Class 283

2 : 3,290,812
6 : 3,226,844
3,227,473
3,228,128
3,248,808
3,251,141
3,264,760
7 : 3,258,277
3,282,720
3,283,713
3,287,839
8 : 3,227,473
3,282,720
18 : 3,290,059
20 : 3,228,129
34 : 3,238,857
3,248,806
35 : 3,287,831
36 : 3,282,268
49 : 3,236,523
56 : 3,290,812
57 : 3,227,473
3,267,841
3,282,210
3,290,061
58 : 3,254,906
3,257,129
3,258,277
58 : 3,276,791
3,282,720
3,290,061
63 : 3,226,844
3,257,128
65 : 3,269,753
66 : 3,250,456

Class 285

3 : 3,246,919
3,252,516
3,253,653
5 : 3,233,627
3,295,548
7 : 3,286,295
3,295,869
8 : 3,227,380
3,257,101
3,270,767
3,288,376
9 : 3,233,549
3,240,341
3,265,075
3,269,608
3,283,780
12 : 3,279,828
13 : 3,264,006
14 : 3,249,119
18 : 3,229,723
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3,239,248
3,249,372
3,254,863
3,288,407
3,255,521
3,260,270
3,265,408
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3,279,827
3,280,908
3,288,493
21 : 3,238,346
3,243,211
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22 : 3,290,772
24 : 3,249,121
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3,273,805
3,284,105
27 : 3,236,172
3,295,553
31 : 3,248,188
3,288,494
32 : 3,231,019
33 : 3,253,653
34 : 3,255,822
3,284,105
3,291,442
36 : 3,246,804
38 : 3,231,955
39 : 3,245,701
3,270,768
3,285,628
40 : 3,285,640
41 : 3,248,119
43 : 3,276,021
45 : 3,231,297
3,232,637
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3,241,866
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47 : 3,280,849
3,284,114
48 : 3,263,424
53 : 3,284,789
55 : 3,228,096
3,236,063
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3,246,973
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3,254,910
3,266,820
3,266,821
3,276,792
3,289,288
3,291,506
56 : 3,238,538
58 : 3,263,244
61 : 3,268,919
3,286,341
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62 : 3,279,827
64 : 3,254,399
3,272,537
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67 : 3,260,539
70 : 3,254,673
71 : 3,283,780
80 : 3,273,917
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81 : 3,251,611
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83 : 3,291,152
3,291,442
86 : 3,233,921
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88 : 3,243,027
89 : 3,268,240
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90 : 3,260,539
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91 : 3,260,319
92 : 3,259,161
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3,259,163
93 : 3,229,723
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3,273,585
94 : 3,246,916
3,254,907
3,264,006
96 : 3,258,520
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97 : 3,233,315
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3,254,863
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98 : 3,255,521
101 : 3,291,442
107 : 3,236,063
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108 : 3,249,119
109 : 3,235,291
110 : 3,249,685
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38 : 3,231,955
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58 : 3,263,244
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91 : 3,260,319
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101 : 3,291,442
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112 : 3,239,245
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114 : 3,232,638
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117 : 3,248,129
119 : 3,254,399
121 : 3,285,628
129 : 3,257,956
133 : 3,230,149
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3,273,660
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3,292,937
134 : 3,237,220
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3,273,510
137 : 3,229,656
3,239,246
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138 : 3,264,014
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139 : 3,270,577
140 : 3,233,919
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140 : 3,273,646
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141 : 3,229,997
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142 : 3,239,246
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143 : 3,252,718
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146 : 3,248,132
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147 : 3,233,674
149 : 3,232,640
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150 : 3,248,131
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151 : 3,271,054
152 : 3,244,440
153 : 3,271,054
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155 : 3,262,497
156 : 3,232,645
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157 : 3,287,885
158 : 3,243,353
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3,290,412
159 : 3,233,919
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160 : 3,233,921
161 : 3,234,565
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162 : 3,248,078
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164 : 3,271,055
165 : 3,244,424
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168 : 3,265,087
169 : 3,248,131
173 : 3,240,377
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174 : 3,228,713
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175 : 3,227,380
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178 : 3,244,424
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179 : 3,235,290
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180 : 3,227,175
181 : 3,235,184
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183 : 3,259,149
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187 : 3,232,643
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189 : 3,229,711
189 : 3,251,613
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190 : 3,229,815
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191 : 3,265,030
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193 : 3,261,577
197 : 3,236,363
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3,252,474
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3,272,534
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198 : 3,252,475
200 : 3,234,690
3,235,651
203 : 3,232,644
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3,239,192
3,262,668
3,278,203
205 : 3,289,287
208 : 3,244,056
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3,277,234
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211 : 3,239,192
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219 : 3,291,335
220 : 3,233,920
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3,265,107
222 : 3,252,493
3,279,532
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223 : 3,233,919
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225 : 3,246,917
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226 : 3,232,076
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231 : 3,236,544
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233 : 3,233,907
235 : 3,260,790
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236 : 3,249,685
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237 : 3,262,718
238 : 3,228,713
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239 : 3,245,701
242 : 3,262,718
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243 : 3,272,536
247 : 3,244,439
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248 : 3,271,053
250 : 3,244,438
251 : 3,246,921
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252 : 3,276,620
256 : 3,237,974
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257 : 3,227,803
259 : 3,237,974
3,243,208
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3,249,371

Class 285—Con.

259 : 3,257,132
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260 : 3,236,546
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3,261,371
3,267,614
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261 : 3,236,544
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262 : 3,251,614
263 : 3,232,642
3,249,338
3,251,553
265 : 3,232,646
3,251,553
3,282,044
266 : 3,233,921
268 : 3,278,203
269 : 3,271,055
270 : 3,276,795
271 : 3,276,795
272 : 3,239,249
3,261,323
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276 : 3,237,147
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277 : 3,229,996
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281 : 3,284,106
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282 : 3,278,203
283 : 3,246,132
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284 : 3,251,613
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285 : 3,286,341
286 : 3,226,807
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287 : 3,232,645
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291 : 3,228,425
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294 : 3,228,712
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297 : 3,288,496
298 : 3,241,867
299 : 3,239,250
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314 : 3,252,718
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315 : 3,228,715
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323 : 3,236,545
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.2 : 3,273,917
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.2 : 3,258,278
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.4 : 3,243,209
.4 : 3,254,908
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3,275,365
359 : 3,287,056

Class 293

1 : 3,243,222
3,243,223
3,280,510
3,295,465
10 : 3,254,863
12 : 3,269,331
20 : 3,254,863
24 : 3,236,552
27 : 3,235,287
60 : 3,243,203
3,265,428
3,268,256
3,282,368
3,284,122
62 : 3,243,223
3,250,560
3,288,512
3,290,082
64 : 3,265,428
3,287,027
69 : 3,265,428
3,269,331
3,271,050
70 : 3,268,256
71 : 3,237,964
3,250,560
3,260,536
3,284,122
3,288,512
3,290,082
3,291,516
72 : 3,250,560
73 : 3,236,552
3,266,646
79 : 3,265,428
84 : 3,235,287
85 : 3,241,875
3,243,203
3,284,100
86 : 3,237,574
87 : 3,241,875
3,261,320
3,291,516
88 : 3,235,244
3,291,516
89 : 3,268,256
3,295,880
95 : 3,265,428

Class 294

1 : 3,245,710
3,272,348
3,283,381
3,283,889
3,284,865
3,289,666
2 : 3,242,513
5.5 : 3,229,831
.5 : 3,250,405
7 : D205,540
15 : 3,228,555
3,237,821
3,257,018
3,272,350
16 : 3,258,091
3,263,535
3,265,068
3,274,658
3,281,031
3,291,476
19 : D205,526
3,227,298
3,262,585
3,275,320
3,276,087
3,282,620
3,292,591
20 : 3,284,123
21 : 3,232,658
23.5 : 3,282,620
25 : 3,242,540
3,248,112
3,262,702
3,283,888
26 : 3,242,540
3,249,977
3,254,912
3,270,927
3,278,215
3,283,381
3,284,865
27 : 3,248,144
3,281,178
3,282,619
28 : 3,251,521
3,258,091
3,259,416
3,269,764
3,282,589
29 : 3,282,196
31 : 3,232,657
3,253,850
3,264,027
.2 : D203,403
.2 : D204,295
.2 : 3,240,407
.2 : 3,253,851
.2 : 3,253,854
.2 : 3,272,529
32 : 3,261,633
3,272,350
33 : 3,259,415
3,261,633
3,262,728
3,284,123
3,284,124
3,285,648
3,291,476
50 : 3,233,325
.7 : 3,273,930
.7 : 3,284,932
.7 : 3,291,231
.8 : 3,228,249
.9 : 3,276,805
51 : 3,242,513
54 : 3,248,811
55 : 3,239,264
3,255,570
3,281,178
.5 : 3,273,929
61 : 3,236,553
3,259,253
3,262,587
3,264,028
3,287,845
3,288,513
62 : 3,237,979
3,260,379
63 : 3,250,251
3,270,897
3,278,055
3,295,881
64 : 3,227,299
3,229,345
3,245,130
3,253,719
3,254,863
3,262,585
3,272,611
3,275,189
3,279,634
3,283,471

Class 294—Con.

64 : 3,289,860
65 : 3,248,980
3,260,379
3,260,391
3,260,392
3,272,611
3,276,611
3,285,433
.5 : 3,227,216
.5 : 3,228,555
.5 : 3,230,425
.5 : 3,250,962
.5 : 3,253,626
.5 : 3,261,481
.5 : 3,275,320
.5 : 3,277,415
.5 : 3,281,880
.5 : 3,283,278
66 : 3,262,173
3,266,353
67 : 3,235,108
3,239,072
3,239,076
3,239,237
3,241,695
3,251,496
3,253,707
3,257,142
3,259,260
3,259,416
3,262,595
3,272,364
3,276,807
3,278,055
3,288,311
3,289,666
3,292,801
69 : 3,228,249
3,248,142
3,282,621
71 : 3,246,811
73 : 3,226,783
3,230,588
3,253,851
3,258,138
74 : 3,239,900
3,245,710
3,252,729
3,253,851
3,257,054
3,262,585
3,276,808
3,280,776
3,289,258
3,289,259
75 : 3,239,266
3,276,317
77 : 3,282,621
78 : 3,233,933
3,233,934
3,239,266
3,240,526
3,276,608
3,276,809
3,289,258
81 : 3,239,265
3,241,686
3,243,224
3,244,291
3,249,064
3,250,229
3,251,496
3,253,851
3,253,852
3,262,420
3,266,353
82 : 3,230,004
3,233,933
3,233,934
3,239,072
3,244,446
3,250,171
3,250,563
3,258,287
3,261,636
3,263,941
3,264,026
3,265,336
3,268,967
3,272,546
3,273,928
3,275,367
3,276,809
3,278,163
3,278,217
3,285,443
3,289,259
3,291,519
83 : 3,228,080
3,228,332
3,237,265
3,238,587
83 : 3,240,520
3,241,205
3,242,808
3,245,346
3,247,563
3,249,328
3,249,334
3,250,563
3,257,142
3,262,173
3,262,729
3,266,353
3,268,188
3,270,387
3,271,833
3,273,459
3,277,545
3,287,781
.1 : 3,242,666
84 : 3,259,418
3,259,419
85 : 3,261,479
3,264,026
3,288,512
8 : 3,244,291
3,287,057
.1 : 3,243,218
.12: 3,279,545
.18: 3,278,220
.24: 3,262,501
.29: 3,295,883
.3 : 3,272,266
.3 : 3,278,219
.32: 3,266,835
.32: 3,288,514
.33: 3,288,514
87 : 3,243,217
3,243,224
3,251,622
3,257,053
3,270,897
3,273,304
3,287,057
.2 : 3,227,271
.2 : 3,232,422
.2 : 3,257,064
.2 : 3,265,203
.2 : 3,268,070
.2 : 3,269,530
.2 : 3,285,410
.24: 3,245,684
.24: 3,265,390
.26: 3,272,508
88 : 3,227,299
3,227,482
3,235,108
3,236,397
3,237,980
3,241,695
3,243,224
3,244,294
3,252,609
3,259,419
3,260,546
3,263,824
3,272,364
3,285,651
89 : 3,259,421
3,284,125
90 : 3,229,801
3,242,672
3,264,027
3,267,643
3,287,776
3,288,514
91 : 3,247,562
92 : 3,248,144
3,252,727
3,264,026
3,279,842
93 : 3,233,315
3,251,623
3,287,057
94 : 3,262,730
95 : 3,233,988
3,265,431
96 : 3,227,483
97 : 3,253,853
3,284,125
99 : 3,239,262
3,245,710
3,253,851
3,259,415
3,261,633
3,265,068
3,265,430
3,273,723
3,273,927
3,274,658
3,284,123
3,285,648
3,288,514
100 : 3,228,249
3,284,124
102 : 3,236,397
3,278,219
3,279,017
103 : 3,236,397
3,253,849
3,261,242
3,262,595
3,264,029
3,264,030
3,269,766
3,272,364
3,278,218
3,292,964
104 : 3,227,297
3,240,359
3,243,190
3,243,905
3,249,334
3,252,729
3,253,850
3,257,140
3,257,143
3,261,634
3,261,635
3,262,731
3,264,028
3,265,429
3,268,255
3,269,563
3,269,765
3,272,364
3,272,547
3,274,657
3,276,805
3,279,017
3,292,962
3,295,882
106 : 3,227,480
3,237,980
3,243,224
3,250,229
3,257,144
3,263,535
3,269,764
3,273,931
3,281,179
3,285,650
3,288,513
3,292,962
113 : 3,237,602
3,237,980
3,257,144
3,258,091
114 : 3,239,263
115 : 3,239,263
3,252,559
3,264,027
3,292,798
116 : 3,240,360
3,295,882
3,295,883
118 : 3,232,657
3,243,217
3,245,712
3,269,764
3,281,179
119 : 3,237,602
3,248,145
120 : 3,285,649
121 : 3,276,608

Class 295

8.5 : 3,280,934
11 : 3,290,737
35 : 3,257,968
42 : 3,257,968

Class 296

1 : 3,227,484
3,228,156
3,243,192
3,259,423
3,278,199
3,284,836
3,290,088
10 : 3,252,730
14 : 3,228,351
3,238,897
15 : 3,246,313
20 : 3,282,362
3,289,219
21 : 3,241,857
22 : 3,237,959
23 : 3,234,696
3,255,768
3,258,019
3,276,790
23 : 3,283,452
3,286,414
3,289,684
24 : 3,246,313
3,257,145
3,258,084
3,262,714
3,286,617
26 : 3,226,890
3,233,936
3,234,696
3,249,382
3,257,760
3,271,065
3,271,066
3,272,269
3,286,414
27 : 3,236,198
3,259,422
3,272,269
28 : 3,228,351
3,228,466
3,239,234
3,241,853
3,243,201
3,245,714
3,254,900
3,257,145
3,274,915
3,279,816
3,282,603
3,284,127
3,285,652
3,287,026
3,288,491
3,288,530
3,290,088
3,292,803
3,295,627
29 : 3,233,937
3,235,281
3,253,855
31 : 3,256,125
3,263,865
35 : 3,231,121
3,247,630
3,259,400
3,262,588
3,266,482
3,266,836
36 : 3,232,667
3,238,897
3,266,837
3,276,512
37 : 3,231,292
3,240,408
3,240,527
3,245,713
3,249,382
3,291,520
40 : 3,252,730
43 : 3,259,353
3,288,311
44 : 3,227,485
3,228,156
3,228,490
3,235,919
3,236,557
3,274,740
.3 : 3,235,902
47 : 3,230,585
57 : 3,275,170
60 : 3,238,897
63 : 3,254,734
64 : 3,243,221
65 : 3,227,488
3,245,486
3,261,422
3,288,234
66 : 3,266,591
67 : 3,288,520
69 : 3,246,347
3,282,625
76 : 3,234,584
3,274,638
3,275,092
84 : 3,228,156
3,245,182
3,266,560
3,274,740
3,289,060
3,289,557
91 : 3,246,923
3,276,811
92 : 3,295,813
93 : 3,230,677
3,241,277
3,241,281
96 : 3,239,267
97 : 3,254,435
100 : 3,246,313
3,256,896
3,292,971
102 : 3,244,251
102 : 3,289,871
107 : 3,236,557
3,248,125
3,278,221
3,284,129
116 : 3,285,258
3,285,259
117 : 3,248,970
3,263,515
3,267,751
137 : 3,227,485
3,232,660
3,261,133
3,265,530
3,266,328
3,279,193
145 : 3,241,877
3,252,731
148 : 3,275,370
152 : 3,288,512
153 : 3,279,853
321 : 3,239,210

Class 297

1 : 3,285,660
3 : 3,230,907
5 : 3,237,940
3,240,530
3,272,530
3,290,050
6 : 3,232,251
3,249,368
14 : 3,232,663
16 : 3,232,664
3,235,884
30 : 3,227,243
39 : 3,269,767
3,279,734
46 : 3,285,654
55 : 3,231,053
60 : 3,227,243
63 : 3,239,167
66 : 3,246,926
68 : 3,284,126
69 : 3,235,307
71 : 3,278,224
3,288,454
77 : 3,291,522
84 : 3,287,059
85 : 3,243,225
3,244,448
3,244,449
88 : 3,243,227
90 : 3,284,093
93 : 3,227,467
100 : 3,273,936
113 : 3,254,915
118 : 3,233,942
3,241,885
3,246,926
3,255,466
3,269,771
3,271,785
119 : 3,227,112
3,254,916
3,261,640
129 : 3,285,654
130 : 3,290,050
134 : 3,244,451
3,253,860
3,288,482
135 : 3,239,271
3,241,885
150 : 3,261,641
3,265,436
151 : 3,227,112
153 : 3,240,170
3,258,276
3,258,291
158 : 3,266,204
160 : 3,239,272
163 : 3,254,931
170 : 3,266,840
3,273,936
172 : 3,244,450
3,259,081
174 : 3,243,229
3,253,860
180 : 3,230,006
3,246,118
3,248,146
182 : 3,245,716
3,259,430
183 : 3,258,291
184 : 3,241,160
3,258,291
187 : 3,254,931
3,271,069
3,271,074
191 : 3,245,716
3,248,146
3,254,931
3,256,533
192 : 3,232,664
3,232,686
3,245,090
3,269,771
3,290,089
193 : 3,227,112
3,239,270
3,284,150
194 : 3,237,824
3,267,887
3,282,230
3,295,886
195 : 3,261,425
3,266,218
203 : 3,258,290
214 : 3,243,231
217 : 3,230,907
3,232,662
3,253,856
3,259,428
3,290,086
218 : 3,233,253
3,273,178
3,286,417
3,295,887
219 : 3,245,382
3,256,258
3,259,925
3,263,245
3,266,545
3,270,394
224 : 3,258,942
231 : 3,259,925
3,265,437
3,265,438
3,292,973
232 : 3,231,306
3,233,939
3,259,425
3,259,427
239 : 3,276,818
3,285,660
240 : 3,232,662
243 : 3,228,723
3,230,907
3,241,884
3,269,773
248 : RE.26,071
3,228,723
3,236,003
3,236,484
3,261,640
3,278,227
3,291,523
249 : 3,230,005
251 : 3,252,167
253 : 3,243,229
254 : 3,253,860
3,255,344
255 : 3,288,502
256 : 3,256,016
3,281,183
258 : 3,227,445
261 : 3,243,226
264 : 3,295,885
269 : 3,235,307
271 : 3,227,491
3,235,253
3,243,226
3,244,448
3,279,847
3,287,059
3,295,885
272 : 3,269,771
275 : 3,235,306
276 : 3,241,878
282 : 3,235,304
283 : 3,276,817
284 : 3,258,259
3,273,877
3,279,846
3,289,222
296 : 3,268,200
306 : 3,295,885
307 : 3,237,906
309 : 3,295,888
310 : RE.26,070
3,287,016
3,290,092
311 : 3,259,427
313 : 3,290,050
316 : 3,284,133
320 : 3,237,986
3,252,734
321 : 3,261,639
322 : 3,233,938
3,252,734
3,269,769
3,284,131
325 : 3,243,227
326 : 3,249,331
3,259,200
3,261,422
327 : 3,235,304
329 : 3,232,574
3,232,575
330 : 3,240,464
3,240,529
3,250,568
335 : 3,245,717
337 : 3,279,850
3,286,971
339 : 3,250,569
340 : 3,237,986
342 : 3,269,767
3,287,060
344 : 3,250,566
3,259,355
3,278,223
3,284,134
345 : 3,237,906
3,285,555
3,285,656
3,295,621
347 : 3,240,529
3,256,036
3,286,970
3,288,454
349 : 3,235,250
3,236,394
3,236,556
3,253,856
3,253,858
3,256,036
3,275,283
3,278,229
3,280,462
353 : 3,279,850
355 : 3,236,515
3,237,986
3,284,135
357 : 3,235,308
361 : 3,230,554
3,246,868
3,252,734
3,254,917
3,271,071
363 : 3,286,971
366 : 3,232,136
373 : 3,271,811
375 : 3,230,554
3,255,468
376 : 3,283,342
377 : 3,239,271
3,272,556
378 : 3,228,724
3,246,928
3,254,916
3,256,533
3,259,925
3,290,090
379 : 3,259,433
3,262,725
380 : 3,263,245
383 : 3,248,742
384 : 3,245,382
3,265,438
385 : 3,235,306
3,235,930
3,241,205
3,243,233
3,258,293
3,272,557
3,276,430
3,287,062
3,288,422
3,295,862
386 : 3,232,383
3,237,265
3,237,729
3,241,205
3,280,942
388 : 3,233,296
3,239,273
3,240,510
3,259,434
3,261,568
3,262,653
3,273,822
3,282,529
3,286,946
3,288,254
3,289,970
3,289,971
3,291,416
3,292,744
389 : 3,236,540
390 : 3,232,665
3,237,985
3,262,716
3,262,736
3,279,817
391 : 3,284,134
392 : 3,230,320
3,285,658
393 : 3,283,344
3,283,755
396 : 3,264,382

407 : 3,253,859
409 : 3,255,468
410 : 3,254,918
3,265,437
3,292,974
411 : 3,271,073
412 : 3,264,031
414 : 3,233,939
3,265,436
3,271,784
415 : 3,284,132
416 : 3,230,010
3,233,940
3,245,090
3,266,843
417 : 3,261,641
3,265,436
3,269,772
3,284,132
3,290,090
3,292,972
418 : 3,236,559
3,250,570
420 : 3,275,375
3,295,891
421 : 3,258,294
3,266,843
422 : 3,249,387
3,256,041
423 : 3,236,561
3,244,389
426 : 3,271,069
427 : 3,249,388
429 : 3,288,525
430 : 3,239,271
3,295,885
433 : 3,258,276
3,269,770
434 : 3,282,605
437 : 3,275,283
3,278,229
439 : 3,284,817
3,287,016
440 : 3,228,725
3,230,005
3,245,715
3,261,640
441 : 3,235,306
3,276,817
442 : 3,230,909
3,262,405
443 : 3,241,878
444 : 3,288,529
445 : 3,235,309
3,236,560
3,241,884
3,245,720
3,248,150
3,253,860
3,259,431
3,270,353
3,275,371
3,284,136
3,295,590
447 : 3,276,731
450 : 3,230,007
3,252,736
3,273,922
451 : 3,234,314
3,241,884
3,243,234
3,258,294
3,276,818
452 : 3,230,005
3,230,011
3,230,012
3,230,013
3,231,008
3,233,885
3,238,599
3,239,854
3,242,508
3,242,510
3,242,512
3,243,828
3,245,715
3,248,738
3,251,076
3,255,470
3,257,149
3,258,511
3,258,791
3,261,037
3,262,138
3,266,065
3,266,066
3,270,394
3,273,180
3,278,955
3,280,410
3,283,345
3,287,750
3,289,220
3,289,224
452 : 3,292,187
3,295,890
453 : 3,237,216
3,246,118
454 : 3,230,012
3,230,013
3,248,745
3,271,076
3,285,597
456 : 3,234,567
3,235,245
3,237,214
3,253,861
3,259,925
3,265,438
3,276,047
3,286,285
3,289,220
3,291,530
457 : 3,230,007
3,230,011
3,233,885
3,235,306
3,273,178
3,281,185
3,295,890
458 : 3,253,860
3,264,034
459 : 3,259,425
3,259,431
460 : 3,236,558
3,241,879
3,253,860
3,264,382
3,273,937
3,275,375
3,288,525
3,291,529
3,295,891
461 : 3,251,077
462 : 3,227,112
3,252,735
3,266,844
463 : 3,256,041
3,261,607

Class 298

1 : 3,237,988
3,248,126
3,288,530
4 : 3,295,728
7 : 3,279,844
8 : 3,245,358
3,257,145
3,260,414
9 : 3,281,186
11 : 3,226,783
3,253,817
12 : 3,286,447
14 : 3,266,648
17 : 3,236,563
3,260,547
3,291,144
3,295,728
.5 : 3,266,648
.6 : 3,228,351
.6 : 3,240,164
.8 : 3,232,666
.8 : 3,273,755
18 : 3,228,351
3,228,727
3,236,562
3,238,897
3,240,164
3,277,936
19 : 3,237,988
22 : 3,228,727
3,235,284
3,260,013
23 : 3,236,562
3,240,164
24 : 3,234,892
3,257,145
25 : 3,266,679
27 : 3,228,466
28 : RE.26,093
3,273,732
30 : 3,242,878
34 : 3,245,358
35 : 3,292,801
38 : 3,230,014
3,232,667
3,237,988
3,238,897
3,273,755
3,285,441
3,295,728

Class 299

1 : 3,243,964
3,293,521
2 : 3,236,053
4 : 3,254,921
3,271,962
5 : 3,262,741
3,277,654
3,278,234
6 : 3,254,921
13 : 3,266,845
14 : 3,271,079
3,278,235
16 : 3,236,053
17 : 3,273,940
31 : 3,266,257
3,280,570
33 : 3,276,819
3,280,570
34 : 3,235,311
37 : 3,236,314
3,251,628
43 : 3,280,570
3,285,662
55 : 3,236,315
3,247,675
56 : 3,260,548
3,266,257
3,266,845
3,288,532
3,295,892
57 : 3,245,723
3,279,855
3,282,627
58 : 3,237,990
59 : 3,269,776
3,290,095
60 : 3,266,845
61 : 3,232,670
3,278,237
3,278,238
3,279,855
3,288,534
3,288,535
64 : 3,260,548
3,268,258
3,269,566
3,290,094
67 : 3,269,776
68 : 3,247,675
69 : 3,235,311
70 : 3,287,066
71 : 3,245,723
3,259,436
3,269,776
3,288,536
3,290,095
75 : 3,245,723
76 : 3,282,627
3,288,536
80 : 3,231,310
3,232,670
3,278,237
3,291,531
81 : 3,248,152
3,290,097
85 : 3,235,016
3,235,311
3,285,661
3,285,664
3,285,665
86 : 3,261,643
3,266,846
3,288,532
3,288,536
3,290,095
3,290,096
3,295,892
87 : 3,226,855
3,245,723
3,285,664
3,288,533
3,290,095
3,291,533
3,295,232
89 : 3,266,846
3,272,560
3,279,856
90 : 3,259,436
3,282,629
3,288,532
91 : 3,261,643
3,266,643
92 : 3,280,927
93 : 3,271,080
94 : 3,251,629
3,287,066
3,292,976

Class 300

1 : 3,295,893
2 : 3,233,270
3,254,682
3,254,923
3,279,506
3,290,714
11 : 3,245,554
12 : 3,279,506
21 : 3,227,492
3,233,270
3,237,234
3,239,867
3,251,596
3,253,291
3,255,479
3,255,494
3,256,545
3,256,546
3,266,624
3,276,063

Class 301

1 : 3,279,831
3,282,365
2 : 3,266,813
3,269,284
5 : 3,234,989
3,251,230
3,253,632
3,269,402
3,280,637
3,280,639
.3 : 3,287,023
6 : 3,233,707
3,263,315
3,269,494
9 : 3,241,408
3,253,862
13 : 3,237,991
3,259,437
20 : 3,259,437
22 : 3,227,493
3,237,991
36 : 3,244,385
3,258,273
37 : 3,248,915
3,288,488
38 : 3,239,277
39 : 3,234,989
3,242,964
40 : 3,234,989
41 : 3,234,989
43 : 3,245,595
3,248,373
44 : 3,245,478
3,252,391
46 : 3,227,465
49 : 3,239,277
50 : 3,239,277
52 : 3,239,954
59 : 3,251,978
63 : 3,263,315
3,275,377
64 : 3,261,083
3,270,403
65 : 3,237,991
67 : 3,250,571
3,250,572
74 : 3,251,978
97 : 3,228,097
105 : 3,241,894
3,256,964
3,287,797
111 : 3,248,154
112 : 3,248,154
126 : 3,283,843
128 : 3,270,830
132 : 3,275,386
133 : 3,257,125

Class 302

2 : 3,234,709
3,239,004
3,248,071
3,260,527
3,267,698
3,293,414
13 : 3,260,548
14 : 3,228,466
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3,248,812
3,269,571
3,272,335
3,288,077
3,288,265
3,290,220
16 : 3,269,099
17 : 3,254,881
18 : 3,284,306
19 : 3,227,274
3,244,298
21 : 3,236,565
25 : 3,286,896
26 : 3,278,451
28 : 3,257,964
3,267,891
3,284,140
29 : 3,229,377
3,231,165
29 : 3,232,366
3,235,098
3,235,099
3,249,241
3,251,595
3,258,041
3,272,415
3,275,197
3,281,040
3,283,920
3,285,295
31 : 3,243,181
3,267,798
3,268,222
3,273,775
33 : 3,241,506
34 : 3,235,700
3,246,779
3,273,942
35 : 3,295,896
36 : 3,261,514
37 : 3,241,173
3,263,360
3,285,392
40 : 3,235,700
42 : 3,243,181
3,275,240
49 : 3,245,590
3,260,408
3,263,338
3,283,956
51 : 3,235,700
52 : 3,248,026
3,258,173
3,289,396
53 : 3,236,422
3,250,696
3,253,725
3,260,389
3,269,428
3,285,295
3,290,733
54 : 3,237,805
3,276,627
55 : 3,260,285
3,265,098
56 : 3,227,293
58 : 3,233,463
3,260,550
3,262,318
3,273,401
59 : 3,235,314
3,236,565
3,251,497
3,266,226
60 : 3,262,586
63 : 3,235,700
64 : 3,240,531
3,291,471
66 : 3,260,548

Class 303

1 : 3,236,567
3,253,672
3,256,047
3,279,866
3,281,554
3,285,672
F : 3,232,175
3,237,994
3,251,187
3,265,162
3,265,447
3,266,851
3,278,239
3,279,867
3,279,868
3,283,956
3,284,143
3,291,537
49 : 3,232,175
3,237,998
3,251,186
3,251,187
3,258,298
3,268,270
3,272,566
3,275,381
3,280,401
3,288,538
3,291,264
3,291,538
50 : RE.25,969
3,228,730
3,234,968
3,276,787
52 : 3,227,494
3,228,730
3,232,675
3,236,567
3,240,537
3,280,401
3,284,143
53 : 3,284,141
54 : 3,227,494
3,265,447
9 : 3,272,567
3,291,451
3,295,419
11 : 3,273,582
13 : 3,227,494
3,228,730
3,232,175
3,237,995
3,265,447
55 : 3,275,382
56 : RE.25,968
3,236,567
3,250,575
3,268,270
3,279,867
57 : 3,275,385
63 : 3,265,447
3,266,851
3,268,269
3,269,784
3,284,142
3,288,539
3,291,539

Class 304

5 : 3,293,602

Class 305

8 : 3,280,934
9 : 3,284,031
10 : 3,254,738
14 : 3,250,576
18 : 3,259,200
22 : 3,275,386
3,284,031
3,292,722
23 : 3,276,823
27 : 3,246,405
3,262,522
28 : 3,282,630
29 : 3,275,386
34 : 3,272,172
3,284,031
35 : 3,276,823
3,288,234
3,295,622
38 : 3,250,577
3,285,676
40 : 3,232,679
43 : 3,250,576
44 : 3,292,722
46 : 3,292,722
50 : 3,235,019
53 : 3,232,679
54 : 3,235,019
3,285,676
66 : 3,232,678
69 : 3,286,734
71 : 3,232,175
3,272,566
3,285,672
3,295,422
86 : 3,239,237
3,268,271
89 : 3,228,729
3,228,730
3,240,537
3,240,538
3,240,539
3,241,888

Class 305—Con.

55 : 3,231,316
3,266,853
57 : 3,231,316
3,276,823
3,285,676

Class 306

1.5 : 3,253,843
18 : 3,261,095
19 : 3,227,496
20 : 3,263,665
24 : 3,234,981
27 : 3,285,639
28 : 3,227,496
3,256,031
29 : 3,256,048
42 : 3,239,280
44 : 3,232,355

Class 307

2 : 3,231,751
3,275,837
3 : 3,229,184
3,230,441
.1 : 3,238,379
5 : 3,238,382
6 : 3,258,698
9 : 3,229,109
3,273,053
3,278,803
.4 : 3,238,381
10 : 3,238,440
3,259,754
3,261,339
3,264,545
3,274,394
3,278,766
3,293,443
3,296,591
.7 : 3,275,851
.90: 3,285,234
11 : 3,256,491
12 : 3,275,788
14 : 3,265,958
17 : 3,237,090
3,247,445
3,254,291
3,273,053
3,275,688
3,275,857
3,284,696
3,286,159
18 : 3,289,066
19 : 3,271,580
3,290,510
20 : 3,274,445
21 : 3,258,710
.2 : 3,289,119
.3 : 3,284,719
22 : 3,287,623
23 : 3,290,623
.2 : 3,260,115
24 : 3,258,603
28 : 3,249,836
29 : 3,229,164
30 : 3,296,499
31 : 3,231,783
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32 : 3,230,467
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33 : 3,237,078
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35 : 3,284,696
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36 : 3,249,703
3,275,788
37 : 3,286,152
38 : 3,247,361
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39 : 3,231,783
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41 : 3,229,191
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44 : 3,238,438
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46 : 3,267,288
47 : 3,246,163
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49 : 3,258,670
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53 : 3,289,006
55 : 3,230,467
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57 : 3,242,353
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58 : 3,237,013
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59 : 3,242,353
62 : 3,291,998
64 : 3,227,940
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66 : 3,229,111
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67 : 3,243,598
68 : 3,293,443
71 : 3,249,836
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72 : 3,235,791
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73 : 3,275,838
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77 : 3,264,546
80 : 3,227,940
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81 : 3,235,743
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82 : 3,230,382
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83 : 3,289,066
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84 : 3,238,438
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85 : 3,237,013
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86 : 3,246,163
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87 : 3,235,743
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88 : 3,229,111
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88 : 3,252,150
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168 : 3,250,221
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Class 309

88.5 : 3,284,703

Class 310

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23 : 3,229,171
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45 : 3,242,354
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46 : 3,234,436
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93 : 3,240,964
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Class 312

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3,288,319
114 : 3,228,736
116 : 3,252,253
3,256,709
3,290,107
117 : 3,290,107
118 : 3,288,544
124 : 3,227,500
128 : 3,249,392
3,279,618
135 : 3,248,815
138 : 3,276,831
3,288,544
140 : 3,243,245
3,250,582
3,262,746
3,276,831
3,278,208
186 : 3,279,471
194 : 3,233,952
3,239,294
3,244,466
195 : 3,234,896
3,253,870
196 : 3,245,741
3,276,399
198 : 3,245,545
200 : 3,233,953
202 : 3,245,545
204 : 3,259,445
3,264,047
3,286,869
206 : 3,235,305
3,292,885
208 : 3,253,870
3,264,046
209 : 3,227,867
3,229,368
3,233,965
3,250,427
3,271,859
3,271,860
3,280,458
3,280,462
3,292,993
3,295,206
211 : 3,231,323
3,233,773
212 : 3,253,713
213 : 3,230,059
3,238,002
3,241,899
3,250,283
3,281,194
214 : 3,240,029
3,241,900
3,241,902
3,243,855
3,245,740
3,248,160
3,269,789
3,278,065
3,290,109
219 : 3,291,547
222 : 3,243,246
3,244,465
223 : 3,228,736
3,231,732
3,237,853
3,240,425
3,240,546
3,243,780
3,244,464
3,247,332
3,250,583
3,254,916
236 : 3,230,059
3,233,965
3,261,179

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236 : 3,275,393, 3,277,881, 3,289,664, 3,291,546
237 : 3,257,154, 3,261,649
238 : 3,257,154, 3,281,197
239 : 3,244,465, 3,290,105
241 : 3,239,294
242 : 3,271,090
244 : 3,249,383, 3,269,788
245 : 3,228,737, 3,241,901, 3,244,464, 3,247,332, 3,251,638, 3,256,053, 3,260,559
246 : 3,241,850, 3,241,898, 3,253,713, 3,275,396
247 : 3,250,583, 3,285,682
248 : 3,278,247
249 : 3,261,177, 3,262,735, 3,276,222
250 : 3,250,583
252 : 3,227,283, 3,238,001, 3,254,928, 3,257,154
253 : 3,245,740, 3,251,568, 3,281,194, 3,284,148, 3,284,151
254 : 3,257,154
255 : 3,229,942
256 : 3,250,582, 3,279,872, 3,286,869
257 : 3,233,953, 3,236,405, 3,240,862, 3,241,885, 3,247,312, 3,254,929, 3,265,419, 3,265,455, 3,272,581, 3,274,451, 3,283,058, 3,286,869
263 : Re.26,105, 3,229,029, 3,262,745, 3,276,831, 3,286,133, 3,295,902
264 : 3,231,247, 3,260,561
265 : 3,231,321, 3,238,001, 3,247,312, 3,269,788
266 : 3,231,096, 3,235,305
268 : 3,236,577, 3,269,521, 3,290,104
269 : 3,292,984
270 : 3,231,322, 3,236,172, 3,272,580
273 : 3,228,532, 3,253,083
276 : 3,251,638, 3,271,090, 3,284,150
278 : 3,270,891
279 : 3,253,874, 3,257,154, 3,269,552, 3,278,247, 3,288,544
280 : 3,229,368
281 : 3,227,503, 3,244,163, 3,253,870, 3,259,082, 3,278,247
282 : 3,239,294, 3,244,465, 3,257,155
284 : 3,239,145, 3,253,871, 3,253,873, 3,268,111, 3,269,578, 3,287,077
285 : 3,257,154, 3,290,105
286 : 3,232,685, 3,257,155
289 : 3,228,737, 3,268,282
290 : 3,232,397, 3,244,163, 3,257,543, 3,262,714, 3,285,681, 3,288,545
293 : 3,236,575, 3,239,296, 3,266,858, 3,287,076
295 : 3,230,025, 3,236,575, 3,285,685
296 : 3,240,544, 3,241,467, 3,276,167, 3,279,871, 3,287,079, 3,295,260
297 : 3,241,899, 3,251,636
298 : 3,258,302
300 : 3,246,940, 3,263,593, 3,287,079
301 : 3,241,900, 3,266,858
302 : 3,232,489, 3,254,930
304 : 3,237,824, 3,238,003
305 : 3,248,815, 3,266,857, 3,272,579, 3,281,883
306 : 3,269,548
308 : 3,241,900, 3,250,283, 3,266,858
310 : 3,251,636, 3,263,593, 3,288,545
311 : 3,239,297, 3,248,158, 3,282,634, 3,285,423, 3,290,106
312 : 3,245,741, 3,250,583, 3,295,907
313 : 3,260,561, 3,282,634
314 : 3,230,026
315 : 3,244,163, 3,254,931, 3,279,873
316 : 3,239,297, 3,245,574, 3,290,108, 3,291,545
319 : 3,235,319, 3,236,574, 3,244,465, 3,256,421, 3,268,285, 3,269,552, 3,271,092, 3,276,833, 3,281,194, 3,290,106
320 : 3,227,504, 3,236,575, 3,239,298, 3,240,545, 3,245,740, 3,246,938, 3,252,746, 3,292,983, 3,295,908
321 : 3,281,193
322 : 3,230,026
323 : 3,250,234, 3,295,908
324 : 3,233,953, 3,268,281, 3,282,634, 3,287,077, 3,287,079
325 : 3,258,302
327 : 3,246,940, 3,263,594, 3,288,545
328 : 3,241,901, 3,262,558, 3,263,594, 3,272,196, 3,292,983
329 : 3,248,157, 3,250,585, 3,260,560, 3,262,745, 3,290,719
330 : 3,227,505, 3,235,320, 3,245,743, 3,264,049, 3,282,635
333 : 3,231,322, 3,238,003, 3,239,298, 3,240,545, 3,243,246, 3,252,746, 3,275,395, 3,279,875, 3,290,106, 3,292,985
337 : 3,228,739
339 : 3,241,902, 3,285,683, 3,288,302, 3,295,903
341 : 3,245,742, 3,250,582, 3,265,862, 3,269,548, 3,295,903
342 : 3,257,933
343 : 3,270,891, 3,278,248, 3,291,547
344 : 3,281,198, 3,292,986
345 : 3,244,467, 3,263,593, 3,269,787
346 : 3,275,394
347 : 3,289,044
348 : 3,241,898, 3,262,747, 3,272,581, 3,278,250, 3,285,683
349 : 3,262,735
350 : 3,265,935, 3,279,871, 3,288,301
351 : 3,238,004, 3,248,157, 3,260,561, 3,261,585, 3,266,484, 3,272,344, 3,279,871, 3,281,196
352 : 3,258,225

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1 : 3,248,577, 3,249,754, 3,254,264, 3,254,266, 3,296,487
2 : 3,250,935
3 : 3,244,000, 3,244,933, 3,268,760, 3,293,488
5 : 3,233,138
6 : 3,233,138, 3,238,405, 3,247,420, 3,263,108, 3,263,299, 3,268,760
7 : 3,228,589, 3,228,809, 3,229,157, 3,230,419, 3,231,175, 3,233,169, 3,233,823, 3,239,715, 3,243,649, 3,244,933, 3,244,969, 3,244,990, 3,253,183, 3,254,256, 3,267,326, 3,271,731, 3,272,959, 3,274,326, 3,274,436, 3,275,883, 3,278,786, 3,278,857, 3,280,365
.7 : 3,292,078, 3,293,481, 3,293,490, 3,293,491
9 : 3,278,787
10 : 3,290,941
11 : 3,290,941
12 : 3,240,982, 3,242,379, 3,260,885, 3,273,081, 3,280,360
13 : 3,296,488
15 : 3,244,000
16 : 3,255,371, 3,290,553
17 : 3,231,778, 3,277,238, 3,284,660
20 : 3,227,915, 3,260,885
21 : 3,227,915, 3,260,885, 3,274,429
22 : 3,227,904, 3,240,982
24 : 3,259,790, 3,260,885, 3,274,429, 3,280,897
25 : 3,246,144, 3,250,940
26 : 3,250,934, 3,274,429
27 : 3,227,911, 3,234,421
30 : 3,227,915, 3,260,885, 3,273,081, 3,274,431, 3,275,866, 3,280,360, 3,284,660
31 : 3,229,155, 3,292,027
32 : 3,256,383, 3,258,645, 3,281,614, 3,289,022
33 : 3,246,189
34 : 3,243,640, 3,284,664
35 : 3,227,915, 3,227,916, 3,243,636, 3,246,190, 3,275,865, 3,284,660, 3,290,552, 3,292,027, 3,292,028, 3,292,037
36 : 3,227,915, 3,240,982, 3,274,429, 3,280,897
37 : 3,227,909
38 : 3,283,203
39 : 3,229,140, 3,247,420, 3,248,586, 3,250,920, 3,256,383
40 : 3,248,591, 3,274,431, 3,275,869
41 : 3,248,591
42 : 3,250,934, 3,252,028, 3,256,383, 3,265,917, 3,275,866, 3,283,198, 3,284,664, 3,287,587, 3,293,488
43 : 3,229,140, 3,234,421, 3,283,198
44 : 3,227,905, 3,252,028, 3,293,480
46 : 3,240,984, 3,243,721, 3,247,420, 3,248,586, 3,259,853, 3,260,885, 3,274,429
47 : 3,234,421
48 : 3,240,979
49 : 3,227,910, 3,240,980, 3,249,797, 3,259,790, 3,260,397, 3,271,613, 3,277,326
50 : 3,254,263, 3,271,613
51 : 3,227,910, 3,240,980, 3,251,016, 3,274,426, 3,281,620, 3,286,088, 3,293,488
53 : 3,290,547
54 : 3,230,410, 3,238,139, 3,247,375, 3,292,026
55 : 3,243,636, 3,246,146, 3,247,376, 3,271,608
56 : 3,250,916, 3,287,592, 3,296,476
57 : 3,277,327, 3,287,584
58 : 3,238,447
59 : 3,296,478
60 : 3,229,089, 3,243,636, 3,247,421, 3,250,916, 3,259,773, 3,286,112, 3,287,592
61 : 3,258,402, 3,259,745, 3,259,772, 3,265,895, 3,265,896, 3,268,729, 3,296,442
62 : 3,227,957, 3,255,369, 3,258,401, 3,274,502
63 : 3,229,156, 3,229,157, 3,230,145, 3,230,362, 3,230,419, 3,233,147, 3,233,404, 3,238,413, 3,238,414, 3,238,715, 3,239,707, 3,239,712, 3,239,745, 3,240,927, 3,240,970, 3,243,348, 3,244,933, 3,252,047, 3,253,180, 3,253,402, 3,255,301, 3,255,404, 3,256,687, 3,257,579, 3,258,909, 3,262,262, 3,263,415, 3,265,889, 3,265,918, 3,267,859, 3,270,498, 3,271,556, 3,273,336, 3,274,435, 3,274,436, 3,274,437, 3,274,507, 3,277,297, 3,278,798, 3,279,175, 3,279,176, 3,279,320, 3,280,365, 3,281,324, 3,281,617, 3,286,187, 3,286,467, 3,287,589, 3,287,598, 3,291,993, 3,293,490, 3,293,491, 3,296,481, 3,296,491
64 : 3,237,038, 3,240,985, 3,275,878, 3,289,034, 3,290,540, 3,290,674, 3,293,481
65 : 3,235,658, 3,236,944, 3,242,367, 3,243,627, 3,243,643, 3,247,389, 3,256,455, 3,258,434, 3,265,926, 3,268,764, 3,270,242, 3,274,581, 3,275,878, 3,278,783, 3,280,253, 3,284,661, 3,286,121, 3,287,581, 3,290,529, 3,292,031, 3,296,485
.1 : 3,238,062
66 : 3,284,661
67 : 3,239,766, 3,240,987, 3,277,334, 3,280,357
68 : 3,239,766, 3,240,974, 3,243,642, 3,243,644, 3,247,493, 3,249,757, 3,249,782, 3,249,783, 3,249,787, 3,250,942, 3,259,791, 3,270,242, 3,280,357, 3,281,601, 3,281,621, 3,281,622, 3,281,822, 3,284,654
69 : 3,243,644, 3,250,935, 3,254,250, 3,257,579, 3,275,881, 3,281,622
70 : 3,240,987, 3,242,261, 3,268,753, 3,270,242, 3,281,622
71 : 3,259,791, 3,270,242, 3,284,654, 3,293,473
72 : Re.26,035
73 : Re.26,035, 3,242,261, 3,265,870, 3,290,531
74 : Re.26,081, 3,239,706, 3,260,885, 3,270,243, 3,287,735, 3,296,478
75 : 3,243,667, 3,247,426, 3,250,942, 3,257,573, 3,296,485
76 : 3,258,702, 3,274,418, 3,274,581, 3,277,411
77 : 3,234,427, 3,254,251, 3,296,570
78 : 3,270,234
79 : 3,234,456, 3,243,667, 3,244,855, 3,256,467, 3,277,411
80 : 3,251,940, 3,252,104, 3,258,702, 3,260,876, 3,274,417, 3,280,361
81 : 3,240,973, 3,289,034, 3,293,479
82 : 3,227,906, 3,227,913, 3,231,959, 3,234,426, 3,237,038, 3,238,409, 3,240,976, 3,243,640, 3,243,645, 3,244,927, 3,247,410, 3,249,790, 3,250,935, 3,250,942, 3,250,949, 3,254,251, 3,255,376, 3,263,115, 3,265,915, 3,265,920, 3,267,321, 3,268,753, 3,268,860, 3,274,416, 3,275,878, 3,278,781, 3,278,791, 3,281,617, 3,289,028, 3,290,540
.1 : 3,247,410
83 : 3,240,978, 3,260,877, 3,264,514, 3,270,243, 3,286,113, 3,289,030, 3,289,034
84 : 3,227,931, 3,230,415, 3,234,427, 3,234,456, 3,237,059, 3,238,715, 3,241,007, 3,243,639, 3,247,426, 3,254,251, 3,254,261, 3,256,467, 3,257,573, 3,258,626, 3,259,786, 3,259,788, 3,259,790, 3,265,925, 3,265,978, 3,268,753, 3,271,616, 3,274,418, 3,283,200, 3,284,744
85 : 3,233,144, 3,238,412, 3,240,972, 3,243,646, 3,250,949, 3,254,251, 3,255,374, 3,268,753, 3,268,860, 3,271,731, 3,274,418, 3,275,748, 3,281,616
86 : 3,243,645, 3,243,646, 3,249,784, 3,249,786, 3,256,460, 3,273,003, 3,275,748, 3,278,794, 3,284,658, 3,289,030
87 : 3,275,881
89 : 3,229,141, 3,239,706, 3,244,921, 3,259,774, 3,260,885, 3,271,608, 3,273,445, 3,280,357, 3,283,159, 3,284,655, 3,287,581, 3,296,477
91 : 3,233,040, 3,238,296, 3,240,987, 3,253,497, 3,289,028
92 : 3,237,038, 3,240,972, 3,242,260

92 : 3,242,367, 3,243,642, 3,247,756, 3,248,218, 3,254,250, 3,255,003, 3,256,124, 3,258,766, 3,262,007, 3,264,133, 3,265,915, 3,271,512, 3,278,326, 3,284,652, 3,284,662, 3,290,434, 3,293,473, 3,293,474
.5 : 3,231,380
.5 : 3,282,691
.5 : 3,287,130
93 : 3,230,372, 3,255,348, 3,255,354, 3,262,002, 3,287,560, 3,288,999
94 : 3,232,781, 3,243,627, 3,243,643, 3,246,200, 3,247,413, 3,249,782, 3,251,997, 3,259,749, 3,262,748, 3,263,101, 3,280,356, 3,283,195, 3,289,024, 3,290,530
95 : 3,252,029, 3,254,252, 3,278,751
96 : 3,240,987, 3,263,101, 3,293,484
97 : 3,250,952
98 : 3,296,445
99 : 3,239,709, 3,274,581, 3,278,782
101 : 3,235,737, 3,252,030, 3,254,252, 3,255,354, 3,262,002, 3,274,388
102 : 3,243,626, 3,244,921, 3,254,252, 3,280,356
103 : 3,229,143, 3,233,140, 3,235,765, 3,236,686, 3,240,931, 3,240,972, 3,243,642, 3,244,922, 3,258,629, 3,260,876, 3,262,008, 3,271,661, 3,278,751
104 : 3,229,142, 3,229,213, 3,234,422, 3,249,787
105 : 3,229,142, 3,239,709, 3,253,182, 3,272,984
106 : 3,252,030
107 : 3,230,417, 3,250,942, 3,256,458, 3,280,356
108 : 3,227,656, 3,227,883, 3,231,664, 3,233,145, 3,233,247, 3,234,428, 3,235,658, 3,235,736, 3,235,799, 3,235,850, 3,240,990, 3,241,472, 3,242,482, 3,243,508, 3,243,648, 3,244,979, 3,246,202, 3,246,204, 3,249,804, 3,252,042, 3,252,048, 3,252,845, 3,254,264, 3,254,266, 3,254,267, 3,255,372, 3,257,581, 3,258,644, 3,259,685, 3,260,880, 3,262,010, 3,262,012, 3,262,224, 3,263,120, 3,273,477, 3,274,024, 3,274,415, 3,275,872, 3,276,200, 3,277,455, 3,280,370, 3,281,833, 3,283,197, 3,284,941, 3,286,027, 3,287,600, 3,289,198, 3,290,539, 3,290,549, 3,290,554, 3,292,037, 3,293,441, 3,293,484, 3,293,513, 3,296,480, 3,296,530
.1 : 3,238,407
.1 : 3,238,859
.1 : 3,242,368
.1 : 3,247,414
.1 : 3,248,588
.1 : 3,252,042
109 : D206,439, 3,227,907, 3,237,042, 3,249,754, 3,252,028, 3,253,175, 3,253,176, 3,274,415, 3,275,882, 3,284,664, 3,287,593, 3,296,480
.5 : 3,227,922
.5 : 3,238,408
.5 : 3,242,378
.5 : 3,242,482
.5 : 3,258,628
.5 : 3,258,629
.5 : 3,262,010
.5 : 3,268,659
.5 : 3,281,618
.5 : 3,283,204
.5 : 3,289,025
110 : 3,242,439, 3,256,388, 3,262,004, 3,263,852, 3,273,012, 3,275,872, 3,286,027, 3,288,989
111 : 3,247,416, 3,277,239
112 : 3,243,630, 3,247,413, 3,250,938, 3,253,174, 3,253,504, 3,274,421, 3,293,493, 3,296,482
113 : 3,247,416, 3,259,776, 3,263,101, 3,275,874, 3,280,360, 3,292,028
114 : 3,253,504, 3,259,776, 3,283,142
115 : 3,293,475
116 : 3,243,626, 3,243,630, 3,293,475
117 : 3,255,371, 3,257,574
120 : 3,228,185
123 : 3,229,153, 3,242,366
127 : 3,234,047, 3,239,710
128 : 3,235,763
129 : 3,242,366
131 : 3,243,631
134 : 3,293,352
136 : 3,229,032, 3,235,655, 3,247,132, 3,274,423
137 : 3,256,457
141 : 3,229,032, 3,229,139, 3,235,655, 3,274,423
142 : 3,252,037
143 : 3,256,457, 3,292,606
144 : 3,229,032, 3,235,655, 3,254,154, 3,257,503, 3,274,423
145 : 3,229,032, 3,229,144, 3,278,785
146 : 3,237,049, 3,244,000, 3,247,423, 3,259,790, 3,263,109, 3,263,162, 3,271,623, 3,292,041
147 : 3,235,764
148 : 3,230,409, 3,237,049, 3,239,711, 3,244,924, 3,246,259, 3,249,797
149 : 3,244,924, 3,255,371, 3,282,814, 3,290,540
150 : 3,290,553
151 : 3,227,920, 3,229,177, 3,290,540
152 : 3,237,053, 3,246,259, 3,290,553
153 : 3,230,411, 3,239,712, 3,244,931, 3,258,194, 3,259,790, 3,265,850, 3,280,376, 3,287,584
155 : 3,230,411, 3,283,205
156 : 3,233,140, 3,235,647, 3,254,268, 3,259,792, 3,263,117, 3,265,978, 3,278,796, 3,283,205, 3,287,583, 3,287,584, 3,290,532, 3,290,533
157 : 3,238,413, 3,238,715, 3,239,715, 3,263,162, 3,267,313, 3,270,236, 3,290,541, 3,296,479
158 : 3,229,152
160 : 3,237,053, 3,259,772, 3,263,112, 3,278,786, 3,287,583
161 : 3,229,155, 3,230,418, 3,231,830, 3,233,147, 3,242,376, 3,243,348, 3,246,259, 3,252,046, 3,253,402, 3,256,687, 3,257,284, 3,257,579, 3,258,401, 3,259,780, 3,263,162, 3,265,583, 3,267,307, 3,268,758, 3,270,243, 3,270,244, 3,274,435, 3,274,437, 3,280,365, 3,287,588, 3,290,219, 3,293,490, 3,293,491, 3,293,583
162 : 3,254,244
163 : 3,263,121, 3,290,615
165 : 3,263,121
166 : 3,249,801, 3,249,803
167 : 3,263,121
170 : 3,246,194, 3,290,553
174 : 3,230,027, 3,246,189, 3,265,917, 3,271,619, 3,274,415, 3,275,873, 3,278,788, 3,279,941
175 : 3,290,547, 3,296,552
176 : 3,274,415
178 : 3,231,715, 3,244,969, 3,248,603, 3,264,510, 3,274,417, 3,275,865, 3,275,866, 3,287,587, 3,293,481
179 : 3,247,417, 3,263,111, 3,279,941
180 : 3,235,170, 3,240,970, 3,244,969, 3,264,510, 3,271,619, 3,273,970
181 : 3,242,372, 3,254,216, 3,263,111, 3,277,327, 3,287,590
182 : 3,227,909, 3,230,028, 3,239,707, 3,259,778, 3,274,437
184 : 3,249,781, 3,256,459, 3,274,427
185 : 3,234,421, 3,244,936, 3,252,028, 3,252,046, 3,262,013, 3,275,865, 3,283,202, 3,286,119, 3,293,493
186 : 3,237,042
187 : 3,249,797, 3,262,003, 3,286,196
188 : 3,237,040, 3,244,926, 3,248,589, 3,249,754, 3,249,802, 3,250,938, 3,253,175, 3,258,777, 3,260,880, 3,260,881, 3,274,438, 3,278,768, 3,289,027, 3,296,487
189 : 3,242,378, 3,250,952, 3,262,010
190 : 3,280,359
192 : 3,242,378
193 : 3,229,146, 3,290,531
196 : 3,234,426
197 : 3,229,146, 3,230,410, 3,242,378, 3,244,936, 3,275,885, 3,286,196, 3,296,480
198 : 3,234,421, 3,248,603, 3,252,046, 3,262,010, 3,280,364, 3,290,553
199 : 3,275,875, 3,292,037
200 : 3,248,603
201 : 3,273,013
202 : 3,235,768
204 : 3,229,146, 3,240,861, 3,243,630, 3,246,189, 3,246,199, 3,247,415, 3,253,175, 3,258,630, 3,267,307, 3,271,612, 3,290,538
205 : 3,254,257, 3,262,004, 3,292,026
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207 : 3,227,907, 3,246,189
208 : 3,259,778, 3,275,885
209 : 3,242,371, 3,258,632
210 : 3,231,776, 3,237,040, 3,237,041, 3,238,408, 3,242,370, 3,250,938, 3,260,880, 3,260,881, 3,262,013, 3,267,319, 3,283,204
211 : 3,237,041
212 : 3,243,632, 3,249,788
213 : 3,244,925, 3,249,788, 3,258,632, 3,262,003, 3,274,404, 3,287,593
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218 : 3,237,284, 3,259,777, 3,262,005, 3,277,330, 3,283,195, 3,284,657, 3,286,119
219 : 3,242,371, 3,252,028, 3,259,778, 3,280,359, 3,290,538
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227 : 3,230,417, 3,234,421, 3,237,043, 3,243,640, 3,259,779, 3,262,012, 3,263,113, 3,275,873
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Class 313—Con,
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286 : 3,254,250
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287 : 3,275,866
288 : 3,227,908
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326 : 3,241,934
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Class 314
20 : 3,263,112
3,293,404
21 : 3,239,592
3,270,239
39 : 3,230,341
60 : 3,248,592
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61 : 3,249,673
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63 : 3,236,997
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68 : 3,249,673
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69 : 3,240,856
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73 : 3,268,709
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113 : 3,229,148
129 : 3,230,343
131 : 3,268,709
133 : 3,248,515

Class 315
1 : 3,230,529
3 : 3,227,581
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193 : 3,227,920
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Class 315—Con.

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3,263,124
3,264,486
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211 : 3,230,145
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213 : 3,264,486
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363 : 3,254,264
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Class 316

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25 : 3,266,861
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31 : 3,295,183

Class 317

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Class 317—Con.

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243 : 3,286,014
244 : 3,256,484
245 : 3,252,064; 3,270,259; 3,287,613
246 : 3,227,951; 3,230,770; 3,238,452; 3,242,399; 3,256,481; 3,257,587; 3,264,554; 3,269,180; 3,270,260; 3,273,058; 3,276,250; 3,279,253; 3,280,628; 3,286,172; 3,293,640; 3,296,524
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252 : 3,284,682
253 : 3,253,207; 3,277,353; 3,292,060
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255 : 3,249,832; 3,274,466; 3,277,353; 3,284,682
256 : 3,230,431; 3,236,976; 3,238,429; 3,246,205; 3,248,617; 3,256,499; 3,264,537; 3,266,121; 3,268,744; 3,268,773; 3,274,483; 3,283,225; 3,283,248
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258 : 3,227,934; 3,229,174; 3,231,479; 3,232,856; 3,233,028; 3,235,939; 3,237,067; 3,238,407; 3,239,597; 3,239,730; 3,243,315; 3,243,674; 3,246,215; 3,247,019; 3,248,612; 3,248,620; 3,252,830; 3,255,388; 3,255,389; 3,256,472
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33 : 3,243,780; 3,247,939; 3,286,146
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44 : 3,260,909
45 : 3,268,749; 3,268,785
46 : 3,234,448
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52 : 3,260,555; 3,285,196
55 : 3,249,836
56 : 3,280,928
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77 : 3,248,621; 3,278,931
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117 : 3,256,734
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135 : 3,233,749; 3,260,870; 3,265,911; 3,268,747
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139 : 3,243,681; 3,249,836; 3,257,600
143 : 3,237,074; 3,263,142
144 : 3,258,654; 3,275,918; 3,296,510
145 : 3,242,407
146 : 3,237,074; 3,240,290; 3,242,407; 3,251,255
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152 : 3,231,803; 3,296,510
154 : 3,227,941; 3,250,972; 3,263,142; 3,296,510
157 : 3,250,973; 3,265,947; 3,271,645
158 : 3,231,757; 3,237,074; 3,242,407
160 : 3,273,037
162 : 3,227,864; 3,227,884; 3,228,001; 3,229,270; 3,230,516; 3,234,443; 3,238,430; 3,239,736; 3,243,693; 3,244,955; 3,244,956; 3,246,125; 3,246,219; 3,248,622; 3,251,483; 3,251,722; 3,254,566; 3,258,667; 3,259,819; 3,259,984
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208 : 3,262,034
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212 : 3,230,695; 3,281,632; 3,292,066
214 : 3,280,928
219 : 3,250,974
220 : 3,271,646; 3,274,472
221 : 3,233,158; 3,258,647; 3,273,626
224 : 3,270,264
225 : 3,248,632; 3,264,542
226 : 3,290,572
227 : 3,234,446; 3,237,070; 3,247,432; 3,252,067; 3,262,034; 3,262,036; 3,268,742; 3,281,631; 3,286,148; 3,289,062
229 : 3,246,224
230 : 3,227,936; 3,281,633
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257 : 3,233,397; 3,246,222; 3,247,615; 3,247,979; 3,268,787; 3,293,522
258 : 3,248,625
259 : 3,230,438
261 : 3,253,203
262 : 3,227,939
265 : 3,230,341; 3,243,676; 3,254,450; 3,287,618
266 : 3,240,484; 3,241,022; 3,278,819; 3,286,148; 3,287,618
267 : Re.25,959; 3,293,525
269 : 3,248,625; 3,271,649; 3,280,401; 3,281,634
270 : 3,230,438
271 : 3,250,979
273 : 3,280,401
274 : 3,241,019
275 : 3,241,022; 3,243,676; 3,253,206; 3,283,360; 3,292,070; 3,293,525
280 : 3,238,394; 3,243,680; 3,250,480
281 : 3,230,341; 3,278,770
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283 : 3,247,615; 3,248,629
284 : 3,239,735
285 : Re.26,118; 3,259,824
286 : Re.26,118; 3,244,853; 3,293,521; 3,296,513
287 : 3,243,680; 3,287,617
289 : 3,275,928
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294 : 3,233,161
297 : 3,231,806; 3,253,203; 3,262,038
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302 : 3,237,054; 3,250,975; 3,250,978
304 : 3,281,634
305 : 3,227,316; 3,233,163; 3,286,150
307 : 3,248,559
308 : 3,242,353; 3,248,629
310 : 3,246,224
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318 : 3,242,346; 3,257,595; 3,258,669; 3,259,800
318 : 3,268,789; 3,281,634; 3,281,635
321 : 3,278,931
324 : 3,273,182
325 : 3,239,739; 3,243,678; 3,250,927; 3,252,503; 3,253,563; 3,271,602; 3,274,473
326 : 3,284,688
327 : 3,227,937; 3,230,438; 3,231,757; 3,237,074; 3,242,407; 3,252,069; 3,264,539; 3,265,948; 3,283,231
328 : 3,242,346; 3,247,456; 3,250,975; 3,253,211; 3,258,669
329 : 3,229,178; 3,231,801; 3,240,995; 3,246,228; 3,249,837; 3,250,066; 3,259,800; 3,292,068
330 : 3,241,023
331 : 3,237,073; 3,238,445; 3,248,629; 3,249,839; 3,250,979; 3,252,069
332 : 3,230,437; 3,237,074; 3,248,629; 3,257,597; 3,264,544
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344 : 3,260,912; 3,283,547
345 : 3,229,179; 3,229,182; 3,230,437; 3,231,808; 3,233,161; 3,234,447; 3,237,073; 3,237,075; 3,237,076; 3,238,445; 3,239,742; 3,241,023; 3,241,024; 3,242,409; 3,242,410; 3,243,677; 3,249,838; 3,249,839; 3,249,840; 3,253,202; 3,253,204; 3,259,825; 3,260,912; 3,264,544; 3,268,789
345 : 3,268,790; 3,268,791; 3,271,648; 3,274,474; 3,275,926; 3,276,647; 3,278,821; 3,283,234; 3,283,235; 3,284,688; 3,284,689; 3,286,151; 3,287,617; 3,289,062; 3,290,572; 3,293,523; 3,293,524
346 : 3,249,840; 3,262,042
347 : 3,246,224; 3,250,975
349 : 3,239,741; 3,247,435; 3,262,041; 3,268,791
351 : 3,286,150; 3,289,063
353 : 3,252,068; 3,283,227
355 : 3,250,974
356 : 3,231,757; 3,263,142; 3,289,063
358 : 3,261,302
360 : 3,280,351
363 : 3,249,841
364 : 3,277,355
366 : 3,244,957
368 : 3,241,022
369 : 3,239,735; 3,241,022; 3,277,355
370 : 3,260,913
371 : 3,241,022; 3,296,512
372 : 3,238,435; 3,253,203; 3,277,357
373 : 3,260,911; 3,262,041
374 : 3,248,625; 3,262,041
375 : 3,249,841; 3,265,950; 3,296,512
376 : 3,260,908; 3,260,913; 3,296,512
379 : 3,243,676; 3,260,908
380 : 3,227,938; 3,249,841; 3,265,950; 3,293,525
381 : 3,230,438; 3,293,525
382 : 3,237,054
383 : 3,230,435
387 : 3,274,469
388 : 3,274,469
393 : 3,268,791
396 : 3,264,543
398 : 3,262,040
399 : 3,275,888
401 : 3,248,632; 3,274,469; 3,278,819
408 : 3,230,356
412 : 3,228,370; 3,243,678; 3,264,540
413 : 3,280,397
414 : 3,257,597; 3,274,469
416 : 3,250,979; 3,292,069
421 : 3,231,809
422 : 3,230,438; 3,250,944
426 : 3,283,227
430 : 3,254,289
432 : 3,226,972; 3,248,626; 3,254,289; 3,264,881
433 : 3,238,436
434 : 3,230,437; 3,238,436; 3,239,742; 3,248,629; 3,248,985; 3,253,204; 3,254,289
436 : 3,293,459
437 : 3,239,741; 3,280,400
439 : 3,263,147
441 : 3,257,600; 3,262,037
443 : 3,227,821; 3,239,738; 3,267,304; 3,273,036; 3,277,356; 3,280,399; 3,286,149; 3,286,443; 3,291,922
444 : 3,244,912
445 : 3,259,826; 3,283,236
447 : 3,286,149
448 : 3,241,027; 3,242,407; 3,246,220; 3,250,897; 3,250,898; 3,250,903; 3,250,904; 3,266,035; 3,270,344; 3,283,229; 3,283,230; 3,286,144
452 : 3,283,236; 3,290,576
453 : 3,266,948
455 : 3,229,183; 3,235,160; 3,235,161
459 : 3,241,022; 3,248,626
460 : 3,233,133; 3,281,551; 3,289,016
461 : 3,284,668
462 : 3,253,205
465 : 3,248,626; 3,274,469; 3,284,668
466 : 3,229,181; 3,260,908; 3,261,016; 3,262,038; 3,277,356
467 : 3,229,176; 3,233,732; 3,234,490; 3,238,435; 3,241,021; 3,243,676; 3,244,956; 3,247,939; 3,248,720; 3,248,730; 3,249,877; 3,250,566; 3,250,977; 3,256,033; 3,256,473; 3,257,598; 3,280,394; 3,285,111; 3,290,602
468 : 3,278,819; 3,293,521
469 : 3,231,806; 3,234,449; 3,254,289; 3,287,618
470 : 3,234,449; 3,277,356
471 : 3,243,679; 3,259,826; 3,267,300
472 : 3,250,465; 3,253,205; 3,253,206; 3,255,397
473 : 3,249,816; 3,258,647; 3,259,826; 3,262,014; 3,263,158; 3,268,768; 3,280,373
474 : Re.25,959; 3,229,183; 3,253,204; 3,265,821; 3,283,236
475 : 3,228,675; 3,233,162
476 : 3,247,436; 3,286,146; 3,292,070
477 : 3,231,806
478 : 3,246,759

Class 318—Con.

478 : 3,257,306
3,280,016
3,288,693
479 : 3,241,047
480 : 3,227,884
3,239,734
3,239,741
3,242,428
3,255,356
3,257,594
3,262,006
3,264,478
3,272,982
3,277,357
3,283,120
481 : 3,241,792
3,244,256
3,259,823
3,262,034
3,286,443
3,290,576
482 : 3,229,183
3,237,593
3,252,420
3,253,547
3,279,377
3,286,144
484 : 3,228,604
3,247,438
3,277,355
3,292,208
485 : 3,286,144
486 : 3,248,632
3,286,149
487 : 3,250,465
3,259,826
3,262,035
3,262,042
3,283,236
3,293,526
488 : 3,251,483
489 : 3,227,935
3,230,351
3,236,478
3,237,313
3,237,887
3,239,733
3,240,446
3,241,245
3,241,792
3,246,220
3,246,221
3,251,982
3,252,675
3,259,823
3,261,209
3,266,039
3,266,753
3,271,643
3,275,268
3,275,917
3,277,355
3,280,781
3,281,664
3,283,229
3,295,796
490 : 3,242,475
3,246,310
3,267,346
3,289,075
503 : 3,231,801
3,281,635
505 : 3,253,204
3,274,470
506 : 3,229,181
507 : 3,249,838
509 : 3,248,631
513 : 3,235,782
3,257,596
3,277,229
3,284,688
3,292,068
514 : 3,247,435
519 : 3,262,042
523 : 3,263,147
525 : 3,263,147
526 : 3,230,436
533 : 3,230,438
540 : 3,247,437
542 : 3,278,777
547 : 3,278,819
551 : 3,227,938
558 : 3,237,848

Class 319

148.5 : 3,293,495

Class 320

1 : 3,229,158
3,229,188
3,231,701
3,231,788
3,233,246
3,234,408
3,235,862
3,237,056
3,238,391
3,241,050
3,241,555
3,242,388
3,243,611
3,243,687
3,244,204
3,246,164
3,246,229
3,246,230
3,247,497
3,248,605
3,249,748
3,249,925
3,253,162
3,256,426
3,257,637
3,258,668
3,259,795
3,259,829
3,260,865
3,260,920
3,263,099
3,264,456
3,267,299
3,267,328
3,273,013
3,274,610
3,284,693
3,286,127
3,286,128
3,287,635
3,288,997
3,290,556
3,290,586
3,293,498
2 : 3,238,394
3,238,437
3,248,631
3,257,602
3,261,973
3,264,545
3,268,786
3,274,477
3,275,819
3,277,271
3,277,358
3,280,351
3,287,076
3,290,484
3,292,885
3 : 3,291,709
14 : 3,293,445
3,293,498
15 : 3,238,437
16 : 3,256,474
17 : 3,280,397
18 : 3,278,824
24 : 3,271,652
25 : 3,238,394
3,259,754
3,296,515
26 : 3,267,301
29 : 3,255,398
30 : 3,230,439
3,238,438
35 : 3,241,028
3,241,030
37 : 3,258,671
39 : 3,237,078
3,242,414
3,246,163
3,260,917
3,278,823
3,281,639
3,281,650
3,296,515
3,296,516
40 : 3,242,411
3,267,288
3,293,498
43 : 3,247,443
3,270,268
48 : 3,255,398
3,258,670
3,258,672
3,266,030
3,266,031
3,267,452
3,270,331
3,278,824
3,281,816
3,293,529
49 : 3,238,438
3,247,442
3,252,070
3,255,398
3,278,824
51 : 3,231,810
3,271,652
53 : 3,249,836
54 : 3,243,682
3,257,599
55 : 3,241,029
56 : 3,264,545
57 : 3,235,783
3,293,445
59 : 3,296,514
61 : 3,231,811
3,238,437
3,240,947
3,241,030
3,260,917
64 : 3,238,440
3,241,028
3,244,900
3,247,441
3,267,348
3,281,650
3,293,536
3,296,516
68 : 3,247,441
3,281,640
70 : 3,246,163
71 : 3,270,268

Class 321

1.5 : 3,252,013
.5 : 3,258,691
2 : 3,229,158
3,231,833
3,235,784
3,235,790
3,235,818
3,237,082
3,241,088
3,243,664
3,243,725
3,247,444
3,247,448
3,248,637
3,249,894
3,254,292
3,256,244
3,260,963
3,274,478
3,274,489
3,275,838
3,280,334
3,281,716
3,284,696
3,285,016
3,289,098
3,289,105
3,292,039
3 : 3,243,664
4 : 3,267,413
3,275,838
3,277,302
5 : 3,248,635
3,252,074
3,257,569
3,290,579
6 : 3,235,801
7 : 3,259,800
3,274,480
8 : 3,227,889
3,237,083
3,238,383
3,241,032
3,247,358
3,254,292
3,268,833
3,284,637
3,287,620
3,289,066
3,289,071
9 : 3,241,038
3,257,604
3,258,673
3,262,037
3,274,481
10 : 3,231,711
3,290,578
3,290,579
11 : 3,230,459
3,241,043
3,246,227
3,258,646
3,267,349
3,278,826
12 : 3,296,492
13 : 3,255,381
14 : 3,230,440
3,239,718
3,241,031
3,252,073
3,253,208
3,260,916
3,277,359
15 : 3,229,124
3,243,683
3,245,636
3,247,444
3,256,439
3,275,837
16 : Re.26,119
3,239,743
3,244,959
3,246,229
3,247,394
3,247,442
3,251,951
3,253,208
3,254,494
3,255,398
3,258,675
3,260,915
3,260,922
3,265,957
3,267,351
3,270,273
3,274,479
3,278,825
3,281,638
3,284,696
3,290,580
17 : 3,253,209
18 : 3,227,940
3,227,942
3,230,440
3,230,476
3,233,165
3,234,452
3,235,775
3,238,445
3,239,743
3,241,043
3,241,044
3,241,052
3,243,689
3,243,725
3,244,964
3,244,965
3,246,229
3,247,444
3,248,635
3,248,640
3,249,849
3,250,981
3,252,073
3,252,074
3,253,208
3,260,921
3,270,269
3,271,654
3,273,040
3,273,045
3,278,827
3,287,623
3,293,530
19 : 3,248,635
3,260,920
20 : 3,275,837
3,289,067
21 : 3,227,940
22 : 3,255,398
24 : 3,270,270
3,278,919
3,284,786
25 : 3,230,440
3,241,035
3,241,052
3,244,962
3,246,170
3,247,442
3,262,048
3,264,580
3,267,356
3,270,270
3,274,481
3,284,691
3,287,625
3,292,074
3,293,531
3,293,533
26 : 3,262,044
27 : 3,227,940
3,229,187
3,231,794
3,237,083
3,238,417
3,238,438
3,241,037
3,243,686
3,247,394
3,248,635
3,254,302
3,259,831
3,270,271
3,274,482
3,275,856
3,278,826
3,289,066
3,290,577
28 : 3,237,084
3,277,367
35 : 3,247,468
36 : 3,247,468
3,248,639
37 : 3,238,417
3,270,272
38 : 3,268,794
39 : 3,241,037
40 : 3,270,272
43 : 3,231,812
3,234,450
3,241,032
3,259,830
3,260,918
3,271,617
3,271,657
3,277,360
3,284,696
44 : 3,230,479
3,235,818
3,237,124
3,237,125
3,241,033
3,248,637
3,263,122
3,268,833
45 : 3,227,889
3,229,226
3,230,476
3,233,161
3,237,081
3,237,082
3,237,126
3,238,445
3,241,039
3,242,414
3,243,602
3,246,225
3,246,226
3,246,227
3,247,447
3,248,634
3,248,635
3,248,639
3,249,842
3,249,843
3,251,006
3,253,208
3,255,358
3,256,244
3,257,601
3,257,633
3,258,674
3,259,827
3,259,829
3,264,491
3,264,518
3,264,580
3,273,076
3,274,478
3,286,153
3,286,157
3,289,067
3,290,577
3,290,595
3,293,445
46 : 3,235,779
3,237,124
3,248,637
3,260,917
3,275,921
3,290,580
3,292,073
47 : 3,238,383
3,241,035
3,241,039
3,246,225
3,248,638
3,248,640
3,281,073
3,284,689
48 : 3,260,923
3,281,718
49 : 3,227,973
3,239,743
3,246,309
3,247,422
50 : 3,258,690
52 : 3,248,635
3,267,359
54 : 3,252,073
3,252,074
3,267,358
55 : 3,271,646
57 : 3,257,569
3,259,828
3,273,053
3,286,178
58 : 3,246,228
3,263,148
60 : 3,229,106
3,259,800
3,296,517
61 : 3,246,228
3,246,231
3,247,444
3,248,635
62 : 3,263,143
65 : 3,247,395
3,289,091
68 : 3,255,404
3,259,828
69 : 3,234,475
3,249,845
3,256,244
3,258,677
3,259,830
3,260,852
3,261,982
3,261,991
3,262,058
3,263,148
3,271,655
3,283,167
3,287,572
3,290,619
3,293,447
70 : 3,247,444

Class 322

2 : 3,227,901
3,249,848
3,252,090
3,256,450
3,258,616
3,258,691
3,262,039
3,263,102
3,287,578
3 : 3,252,018
3,277,367
4 : 3,296,451
6 : 3,267,348
8 : 3,234,397
14 : 3,283,165
19 : 3,242,353
21 : 3,289,070
23 : 3,249,848
24 : 3,242,302
3,242,353
25 : 3,244,965
3,249,847
3,254,293
3,296,516
27 : 3,242,417
3,283,525
28 : 3,231,757
3,241,040
3,247,441
3,254,293
3,271,601
3,290,582
29 : 3,233,164
3,237,085
31 : 3,289,071
32 : 3,232,533
3,234,396
3,237,086
3,238,439
3,242,346
3,249,098
3,273,050
3,284,668
3,287,565
3,289,403
33 : 3,241,028
3,252,075
3,254,294
36 : 3,284,689
38 : 3,233,164
3,253,211
39 : 3,227,941
3,237,085
40 : 3,230,381
3,250,341
3,283,165
46 : 3,250,973
50 : 3,233,135
52 : 3,229,138
58 : 3,249,847
59 : 3,254,293
3,263,155
3,273,050
3,281,649
60 : 3,247,443
3,249,846
61 : 3,239,747
65 : 3,274,412
66 : 3,265,957
70 : 3,281,650
72 : 3,227,941
3,247,441
73 : 3,230,442
3,230,443
3,231,757
3,239,746
3,241,0
3,241,(
3,242.
3,253.
3,257.
3,258.
3,265.
3,273.0
3,273.0
3,275,92
3,281,64
3,281,650
3,284,69
3,289,07
3,290,58
3,293,53
75 : 3,242,41
3,265,95
3,293,535
79 : 3,248,641
3,252,676
3,278,831
3,290,58
81 : 3,252,075
82 : 3,265,954
83 : 3,244,900
84 : 3,250,341
88 : 3,247,441
3,247,44
89 : 3,264,504
90 : 3,237,034
3,239,701
3,252,076
91 : 3,264,50
3,270,26
3,278,82
94 : 3,229,16
95 : 3,237,085
3,237,086
99 : 3,231,811
3,241,030
3,244,900
3,260,063

Class 323

1 : 3,293,505
4 : 3,235,775
3,244,963
3,252,090
3,255,402
3,275,935
3,293,505
7 : 3,229,211
9 : 3,227,943
3,230,417
3,230,437
3,234,453
3,237,088
3,238,418
3,240,997
3,246,233
3,250,919
3,255,402
3,258,603
3,259,833
3,261,980
3,262,015
3,263,125
3,267,350
3,273,018
3,274,446
3,275,883
3,280,374
3,286,154
3,289,040
3,289,042
15 : 3,252,090
3,257,603
16 : 3,243,653
3,264,550
17 : 3,275,788
3,275,935
18 : 3,237,020
3,264,550
3,275,788
21 : 3,229,158
3,262,356
22 : 3,227,898
3,229,185
3,230,437
3,230,439
3,230,441
3,230,443
3,230,444
3,230,476
3,231,751
3,231,783
3,231,812
3,233,161
3,233,167
3,235,775
3,237,030
3,237,078

22 : 3,237,081
3,237,082
3,238,415
3,238,418
3,239,746
3,239,748
3,240,948
3,240,997
3,241,029
3,241,035
3,241,049
3,241,053
3,241,054
3,242,064
3,242,346
3,242,413
3,242,416
3,243,597
3,243,685
3,244,988
3,246,233
3,247,442
3,247,443
3,249,807
3,249,871
3,249,880
3,250,693
3,250,978
3,250,979
3,251,951
3,252,086
3,253,209
3,253,210
3,254,293
3,255,398
3,256,463
3,257,568
3,257,605
3,258,603
3,258,678
3,259,803
3,259,825
3,259,832
3,259,833
3,260,915
3,260,920
3,260,924
3,262,015
3,262,045
3,262,046
3,263,092
3,263,156
3,265,954
3,267,350
3,268,793
3,269,933
3,272,991
3,273,042
3,273,043
3,273,044
3,274,446
3,274,479
3,274,480
3,275,855
3,275,883
3,275,925
3,275,926
3,275,941
3,277,362
3,278,823
3,281,638
3,281,639
3,281,652
3,283,238
3,284,637
3,284,666
3,284,667
3,284,692
3,286,124
3,286,154
3,286,157
3,290,555
3,290,583
3,292,007
3,293,444
3,296,515
23 : 3,242,064
3,259,832
3,296,487
24 : 3,229,161
3,243,689
3,244,962
3,247,501
3,252,051
3,263,157
3,274,480
25 : 3,227,898
3,242,064
3,259,835
3,277,362
30 : 3,246,233
3,250,981
3,258,679
32 : 3,244,988
34 : 3,233,165
3,252,077
3,265,955
36 : 3,243,597
3,292,007
37 : 3,240,948
3,243,685
38 : 3,250,981
3,260,892
3,265,956
3,278,832
3,286,158
43.5 : 3,233,049
.5 : 3,233,168
.5 : 3,238,318
.5 : 3,238,320
.5 : 3,241,015
.5 : 3,241,025
.5 : 3,247,333
.5 : 3,247,445
.5 : 3,250,864
.5 : 3,252,090
.5 : 3,254,291
.5 : 3,263,157
.5 : 3,264,398
.5 : 3,268,842
.5 : 3,274,364
.5 : 3,275,843
.5 : 3,275,934
.5 : 3,277,320
.5 : 3,281,652
.5 : 3,285,020
.5 : 3,287,716
.5 : 3,289,006
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88 : 3,237,090
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124 : 3,233,149
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125 : 3,287,628
128 : 3,248,607
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435 : 3,287,510

Class 324

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.5 : 3,243,700
.5 : 3,246,254
.5 : 3,252,111
.5 : 3,255,423
.5 : 3,259,735
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.5 : 3,274,488
.5 : 3,278,857
.5 : 3,281,680
.5 : 3,281,709
.5 : 3,296,569
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Class 324—Con.

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112 : 3,243,693
3,267,448
113 : 3,231,814
3,271,674
115 : 3,227,056
3,227,947
3,232,193
3,267,374
3,271,572
3,284,709
3,284,710
116 : 3,286,179
117 : 3,259,844
118 : 3,229,207
3,242,428
3,262,055
3,286,167
119 : 3,244,977
3,247,387
3,250,991
3,260,935
3,263,170
3,263,171
3,268,813
3,281,689
3,286,171
120 : 3,229,106
3,229,207
3,254,292
3,277,367
121 : 3,235,798
3,241,064
3,244,975
3,253,216
3,255,406
3,255,407
3,264,563
122 : 3,231,816
3,244,979
3,265,969
3,271,673
3,283,204
123 : 3,237,097
3,243,699
3,249,849
3,252,086
3,267,378
3,273,060
3,286,171
125 : 3,256,485
3,274,490
3,277,368
126 : 3,234,461
3,245,021
3,252,080
127 : 3,251,014
3,252,072
3,253,215
3,281,642
128 : 3,286,182
130 : 3,243,699
131 : 3,244,980
3,275,935
3,281,684
132 : 3,227,947
3,229,207
3,244,977
3,257,616
3,263,170
3,267,377
3,296,529
133 : 3,229,123
3,234,464
3,246,249
3,252,090
3,256,475
3,258,693
3,259,754
3,267,452
3,277,364
3,278,849
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3,281,692
3,289,080
137 : 3,290,594
139 : 3,277,285
140 : 3,230,446
3,233,176
3,241,062
3,243,705
3,248,650
3,249,865
3,255,417
3,258,692
3,275,935
3,281,846
3,287,646
141 : 3,271,652
3,286,178
146 : 3,287,676
147 : 3,248,649
149 : 3,229,212
3,234,461
3,244,978
3,250,869
3,258,634
3,263,067
3,265,962
3,267,362
3,267,363
3,267,364
3,268,804
3,283,242
151 : 3,274,490
152 : 3,290,594
154 : 3,238,040
154 : 3,239,759
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3,250,996
3,256,485
3,281,683
156 : 3,263,170
3,265,804
3,276,241
3,279,871
3,287,641
157 : 3,241,065
3,290,593
158 : 3,229,254
3,234,461
3,234,496
3,235,797
3,236,374
3,239,059
3,249,864
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3,253,218
3,264,556
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3,282,420
3,283,271
173 : 3,287,651

Class 325

1 : 3,283,250
3 : 3,273,151
3,280,261
4 : 3,243,706
3,258,595
3,262,116
3,271,511
3,273,062
3,273,151
3,283,251
3,288,402
5 : 3,273,151
6 : 3,283,251
3,290,597
7 : 3,237,121
3,283,249
8 : 3,267,462
3,270,338
3,271,770
3,273,151
9 : 3,230,433
3,230,465
3,293,595
11 : 3,277,373
12 : 3,283,250
13 : 3,261,986
3,271,511
15 : 3,237,191
3,239,761
3,248,652
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16 : 3,241,145
3,249,873
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17 : 3,230,453
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21 : 3,249,939
3,273,110
22 : 3,234,469
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3,292,178
3,293,644
23 : 3,249,899
24 : 3,234,555
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28 : 3,230,500
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30 : 3,271,588
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31 : 3,230,302
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32 : 3,230,500
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34 : 3,231,818
36 : 3,231,672
37 : 3,247,482
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38 : 3,230,310
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41 : 3,231,674
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42 : 3,242,462
3,243,791
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3,249,870
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3,274,493
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43 : 3,292,175
44 : 3,293,607
45 : 3,231,819
3,271,679
3,286,024
3,290,440
46 : 3,244,807
3,281,842
3,288,930
3,290,433
47 : 3,260,964
3,283,063
48 : 3,247,482
3,255,536
49 : 3,229,230
3,252,094
3,286,183
50 : 3,229,209
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53 : 3,268,814
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55 : 3,239,761
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3,293,549
56 : 3,262,116
3,270,285
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3,293,551
58 : 3,262,116
3,267,380
59 : 3,240,878
3,253,259
60 : 3,243,791
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62 : 3,230,478
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64 : 3,250,997
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3,292,085
65 : 3,243,791
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65 : 3,271,679
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3,283,253
3,283,551
66 : 3,257,640
3,283,295
67 : 3,237,192
3,273,150
3,283,253
3,289,205
3,296,533
101 : 3,277,303
102 : 3,254,580
105 : 3,230,455
3,231,834
3,235,817
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3,249,891
3,263,172
3,263,207
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3,270,297
3,271,680
3,272,996
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3,286,184
3,290,618
3,293,571
106 : 3,261,008
111 : 3,270,284
3,274,588
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112 : 3,241,145
113 : 3,242,429
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114 : 3,253,810
115 : 3,241,145
3,260,940
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116 : 3,230,500
3,248,688
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3,253,810
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118 : 3,229,030
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119 : 3,242,429
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120 : 3,292,033
121 : 3,234,456
124 : 3,293,644
125 : 3,293,550
129 : 3,253,222
130 : 3,276,019
132 : 3,267,462
134 : 3,245,005
136 : 3,229,232
3,244,807
137 : 3,229,231
3,233,194
3,258,694
3,284,711
138 : 3,229,230
3,230,456
3,258,694
139 : 3,270,323
140 : 3,230,478
3,296,531
141 : 3,262,056
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3,286,200
3,296,556
142 : 3,263,186
3,274,514
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3,281,806
143 : 3,231,824
3,245,004
3,246,260
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144 : 3,260,966
3,262,073
3,263,190
3,267,362
145 : 3,262,073
146 : 3,260,964
147 : 3,237,121
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3,262,056
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3,283,252
148 : 3,253,237
3,259,856
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3,263,190
150 : 3,238,475
151 : 3,283,252
152 : 3,260,966
153 : 3,238,528
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154 : 3,262,116
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156 : 3,271,683
3,290,599
158 : 3,230,453
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159 : 3,249,871
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163 : 3,249,896
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3,289,152
164 : 3,246,260
3,277,377
165 : 3,230,454
167 : 3,270,283
169 : 3,296,550
171 : 3,248,652
174 : 3,255,414
3,277,378
175 : 3,273,068
177 : 3,277,378
178 : 3,271,683
180 : 3,253,222
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183 : 3,290,597
184 : 3,242,429
3,255,414
3,259,856
185 : 3,233,239
3,253,588
3,270,283
186 : 3,271,684
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187 : 3,230,454
3,290,597
193.5 : 3,241,079
197 : 3,241,079
301 : 3,280,348
302 : 3,268,664
303 : 3,235,809
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3,286,030
304 : 3,235,807
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305 : 3,230,453
307 : 3,230,453
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308 : 3,235,804
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309 : 3,244,809
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310 : 3,231,852
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311 : 3,230,500
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312 : 3,233,178
3,243,708
3,244,981
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313 : 3,241,073
3,263,207
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317 : 3,287,644
318 : 3,281,693
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319 : 3,230,458
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3,233,177
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320 : 3,233,181
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320 : 3,242,262
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321 : 3,292,175
323 : 3,241,069
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324 : 3,271,689
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325 : 3,231,824
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327 : 3,251,932
330 : 3,275,940
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332 : 3,230,451
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335 : 3,241,064
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344 : 3,267,461
346 : 3,274,495
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347 : 3,237,121
3,242,437
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349 : 3,227,958
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352 : 3,251,939
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355 : 3,272,920
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356 : 3,272,920
361 : 3,235,804
3,254,444
363 : 3,246,244
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364 : 3,237,105
3,246,246
3,249,874
3,256,515
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3,284,791
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3,290,597
3,292,087
367 : 3,238,529
368 : 3,238,458
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369 : 3,242,430
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370 : 3,276,019
371 : 3,235,807
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372 : 3,231,852
373 : 3,281,847
377 : 3,234,466
378 : 3,289,087
379 : 3,293,644
383 : 3,289,087
385 : 3,271,688
386 : 3,252,095
3,252,096
390 : 3,233,193
392 : 3,234,468
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393 : 3,283,315
397 : 3,241,068
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399 : 3,241,073
400 : 3,230,478
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400 : 3,242,433
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402 : 3,243,710
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403 : 3,246,246
404 : 3,234,469
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406 : 3,233,109
407 : 3,243,710
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408 : 3,241,070
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411 : 3,233,109
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3,233,178
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413 : 3,241,070
414 : 3,233,177
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415 : 3,247,463
417 : 3,231,822
419 : 3,238,460
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3,289,086
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420 : 3,271,681
3,271,682
421 : 3,242,430
3,242,438
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3,293,556
422 : 3,233,179
3,249,876
423 : 3,242,438
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427 : 3,231,822
428 : 3,296,537
429 : 3,252,159
430 : 3,237,106
432 : 3,246,285
433 : 3,242,432
3,248,652
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434 : 3,237,017
3,237,115
3,275,937
3,290,600
3,293,447
435 : 3,227,955
3,235,809
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438 : 3,227,955
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440 : 3,249,875
442 : 3,281,699
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444 : 3,286,256
445 : 3,231,838
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3,259,847
3,261,981
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3,286,195
3,287,568
446 : 3,233,188
3,254,315
3,270,339
3,286,256
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447 : 3,230,463
448 : 3,230,463
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449 : 3,227,958
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.58: 3,247,309
.71: 3,247,309
2 : 3,227,923
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3,293,483
3 : 3,243,609
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3,252,010
3 : 3,266,316
3,267,322
3,275,942
5 : 3,230,519
3,255,380
3,292,052
6 : 3,238,423
3,267,300
8 : 3,231,783
3,256,448
3,262,015
3,267,321
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3,290,596
9 : 3,257,580
3,267,327
3,277,337
3,277,338
10 : 3,229,124
3,229,211
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13 : 3,258,700
14 : 3,245,001
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15 : 3,278,830
16 : 3,231,828
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20 : 3,261,991
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21 : 3,230,392
3,274,489
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23 : 3,258,710
25 : 3,241,038
3,267,413
3,271,588
3,277,361
26 : 3,238,383
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27 : 3,247,468
3,250,924
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28 : 3,246,255
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29 : 3,245,004
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30 : 3,230,399
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31 : 3,253,224
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32 : 3,249,763
3,255,416
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3,293,448
34 : 3,258,611
35 : 3,230,400
3,275,851
3,292,092
36 : 3,255,363
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37 : Re.26,082
3,242,348
3,242,350
3,250,921
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38 : 3,253,223
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39 : 3,235,745
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40 : 3,263,124
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41 : 3,243,652
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42 : Re.26,079
Re.26,082
3,239,765

Class 328

1 : 3,246,176
3,246,210
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3,254,564
3,260,854
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3,278,809
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2 : 3,227,923
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3 : 3,243,609
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Class 328—Con.

42 : 3,240,955
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3,246,167
3,253,162
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43 : 3,235,748
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44 : 3,227,893
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45 : 3,252,134
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46 : 3,239,765
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47 : 3,272,994

48 : 3,236,931
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49 : 3,227,893
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50 : 3,253,162
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51 : 3,246,167
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52.5 : 3,272,993

53 : 3,229,124
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54 : 3,241,069

55 : 3,238,461
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56 : 3,252,100
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57 : 3,241,076

58 : 3,244,907
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59 : 3,231,782
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60 : 3,236,931
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61 : 3,230,392
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62 : 3,252,009
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63 : 3,230,392
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64 : 3,229,213
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65 : Re.26,027
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66 : 3,230,433
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67 : 3,235,812
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69 : 3,233,126
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71 : 3,245,077
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72 : 3,238,462
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73 : 3,264,573

74 : 3,248,657
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89 : 3,260,854

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92 : Re.26,082
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163 : 3,234,472

Class 330—Con.

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3,290,541
3,291,993
3,293,490
3,293,491
234 : 3,239,707
3,255,404
235 : 3,255,369
3,263,136
3,284,744
237 : 3,260,877
242 : 3,296,537
243 : 3,229,213
3,243,628
3,260,878
3,272,984
3,278,751
248 : 3,262,008
250 : 3,240,858
251 : 3,292,101
253 : 3,234,427
3,234,456
3,265,850
254 : 3,242,438
3,290,531
255 : 3,234,427
3,275,882
3,293,482
256 : 3,260,877
258 : 3,264,572
3,296,538
259 : 3,231,783
3,256,447
261 : 3,251,053
262 : 3,283,252
263 : 3,265,250
265 : 3,250,920
3,283,252
268 : 3,278,922
270 : 3,229,169
3,239,715
3,249,791
3,259,793

Class 329

1 : 3,290,673
50 : 3,229,231
3,239,685
3,242,262
3,242,435
3,243,791
3,246,177
3,253,223
3,265,976
3,265,980
3,267,384
50 : 3,271,526
3,283,079
3,287,493
3,291,902
101 : 3,241,078
3,243,707
102 : 3,277,395
3,278,851
103 : 3,245,006
3,248,559
3,260,965
3,267,378
3,275,938
104 : 3,230,310
3,239,768
3,271,750
105 : 3,274,503
3,281,766
106 : 3,234,471
3,246,247
3,260,912
3,274,514
3,275,949
3,277,395
3,281,806
3,286,200
107 : 3,231,824
3,234,471
3,238,393
3,271,750
109 : 3,231,759
3,278,851
110 : 3,230,457
3,257,508
111 : 3,244,983
3,245,005
3,258,700
3,258,701
112 : 3,238,450
3,271,742
3,287,493
116 : 3,233,188
3,247,472
3,252,106
3,274,519
117 : 3,253,166
119 : 3,235,811
3,258,701
3,262,114
122 : 3,233,188
3,252,106
3,253,223
3,264,408
3,265,813
3,290,600
124 : 3,238,459
126 : 3,231,824
3,244,986
3,271,689
3,296,539
128 : 3,235,812
3,283,257
129 : 3,290,608
131 : 3,258,701
3,275,938
133 : 3,243,730
3,243,791
3,292,093
134 : 3,233,181
3,242,437
3,243,730
3,283,066
3,290,613
136 : 3,267,384
137 : 3,238,450
3,242,435
3,244,986
3,260,942
3,283,261
3,284,565
3,289,086
3,296,539
138 : 3,290,608
139 : 3,256,489
3,258,701
142 : 3,260,942
144 : 3,231,741
3,231,742
3,234,390
3,237,011
3,246,158
145 : 3,242,435
3,244,991
3,253,223
3,263,188
3,271,689
3,271,742
3,271,750
3,283,257
3,283,261
3,292,093
146 : 3,238,457
146 : 3,238,464
3,241,078
3,286,035
147 : 3,287,644
149 : 3,296,537
154 : 3,237,106
3,238,463
158 : 3,246,158
160 : 3,254,315
3,263,176
161 : 3,231,838
3,238,529
3,274,504
162 : 3,238,427
3,278,763
163 : 3,238,464
3,277,383
164 : 3,277,383
166 : 3,241,078
3,243,707
3,248,659
3,265,980
3,275,941
167 : 3,239,768
3,241,078
168 : 3,235,811
169 : 3,287,651
170 : 3,252,001
178 : 3,241,079
179 : 3,238,457
3,241,078
180 : 3,287,493
182 : 3,287,493
192 : 3,227,958
3,231,741
3,249,880
3,275,941
3,287,493
3,287,651
196 : 3,290,673
199 : 3,265,992
200 : 3,229,231
3,245,007
203 : 3,252,001
3,260,944
3,277,384
3,290,516
204 : 3,227,955
3,238,464
3,249,898
3,256,489
3,281,701
3,287,651
3,292,093
205 : 3,238,427
3,238,463
3,249,880
3,272,996
3,275,941
3,281,766

Class 330

1 : 3,271,691
2 : 3,237,097
3,238,449
3,281,676
3,286,248
3 : 3,247,460
3,248,557
4 : 3,237,132
3,239,688
3,243,721
3,247,386
3,248,666
3,255,423
3,258,713
3,258,767
3,263,183
3,265,988
3,268,451
3,278,857
3,281,709
3,287,660
3,292,114
3,296,552
.3 : 3,229,221
.3 : 3,229,224
.3 : 3,234,099
.3 : 3,236,707
.3 : 3,239,688
.3 : 3,241,085
.3 : 3,242,440
.3 : 3,244,412
.3 : 3,262,059
.3 : 3,265,988
.3 : 3,267,804
.3 : 3,270,290
.3 : 3,271,695
.3 : 3,277,396
.3 : 3,289,101
.3 : 3,292,102
.3 : 3,293,482
4.5 : 3,233,230
.5 : 3,234,474
.5 : 3,237,017
.5 : 3,260,969
.5 : 3,275,943
.5 : 3,293,557
.6 : 3,231,741
.6 : 3,233,183
.6 : 3,239,744
.6 : 3,290,619
.6 : 3,290,623
.7 : 3,229,220
.7 : 3,230,473
.7 : 3,231,742
.7 : 3,233,183
.7 : 3,247,395
.7 : 3,260,961
.7 : 3,268,754
.7 : 3,275,880
.7 : 3,296,484
.8 : 3,229,193
.8 : 3,235,819
.8 : 3,244,993
.8 : 3,260,852
.8 : 3,283,167
.8 : 3,296,519
.9 : 3,237,017
.9 : 3,239,744
.9 : 3,243,608
.9 : 3,246,266
.9 : 3,248,557
.9 : 3,249,881
.9 : 3,253,227
.9 : 3,261,981
.9 : 3,261,982
.9 : 3,263,154
.9 : 3,264,488
.9 : 3,267,352
.9 : 3,278,830
.9 : 3,280,336
.9 : 3,281,648
.9 : 3,284,717
.9 : 3,287,568
.9 : 3,287,621
.9 : 3,290,619
.9 : 3,292,000
.9 : 3,293,447
5 : RE.26,091
3,229,193
3,230,390
3,231,779
3,234,475
3,244,993
3,249,882
3,252,103
3,265,977
3,267,385
3,270,241
3,273,072
3,274,406
3,289,090
3,290,610
3,290,619
3,290,623
3,292,114
3,293,557
6 : 3,238,370
3,244,876
3,245,007
3,250,995
3,260,980
3,266,003
3,284,726
7 : 3,243,716
3,249,881
3,280,332
8 : 3,275,949
3,291,999
9 : 3,228,235
3,242,797
3,245,004
3,252,105
3,259,856
3,259,879
3,268,823
3,281,718
3,284,637
10 : 3,227,958
3,229,106
3,229,122
3,233,185
3,234,478
3,235,784
3,237,117
3,247,461
3,254,243
3,256,492
3,258,709
3,260,953
3,262,055
3,264,569
3,265,979
3,267,349
10 : 3,290,562
3,290,563
12 : 3,240,944
3,246,250
3,247,388
3,248,557
3,252,061
3,263,207
3,281,708
13 : 3,254,160
3,260,912
14 : 3,230,468
3,240,411
3,249,897
3,259,841
3,263,177
3,281,702
15 : 3,230,468
3,231,827
3,233,115
3,239,771
3,239,772
3,239,780
3,243,512
3,246,251
3,246,720
3,255,418
3,255,419
3,256,491
3,258,704
3,263,172
3,265,983
3,265,984
3,268,826
3,271,691
3,281,697
3,281,703
3,287,652
16 : 3,263,179
3,264,573
3,280,347
3,281,704
17 : 3,231,827
3,233,185
3,235,747
3,237,117
3,239,770
3,239,805
3,244,996
3,254,305
3,255,418
3,255,419
3,257,631
3,258,704
3,262,060
3,268,826
3,271,694
3,277,385
3,281,535
3,281,703
3,283,259
3,284,636
3,289,096
3,296,544
18 : 3,231,827
3,233,184
3,237,117
3,244,996
3,253,160
3,253,225
3,256,490
3,258,704
3,259,848
3,262,062
3,268,826
3,271,590
3,271,691
3,281,535
3,281,703
3,284,719
3,296,544
3,258,704
3,262,060
3,268,826
19 : 3,229,217
3,234,446
3,239,770
3,243,718
3,244,996
3,255,418
3,257,621
3,260,946
3,262,061
3,262,062
3,264,572
3,267,387
3,268,826
3,271,685
3,280,368
3,281,703
3,287,653
3,289,096
3,292,095
3,296,544
20 : 3,233,184
3,239,770

Class 331—Con.

113 : 3,253,237; 3,253,596; 3,259,852; 3,260,864; 3,263,018; 3,263,122; 3,263,189; 3,264,570; 3,264,577; 3,267,349; 3,268,733; 3,268,738; 3,271,669; 3,274,470; 3,274,994; 3,275,949; 3,277,315; 3,281,611; 3,283,176; 3,284,083; 3,284,724; 3,286,157; 3,287,663; 3,289,098; 3,292,039
.1 : 3,242,414
.1 : 3,289,067
114 : 3,243,727; 3,247,468; 3,260,963; 3,292,106
115 : 3,231,831; 3,231,832; 3,235,817; 3,237,123; 3,246,311; 3,253,233; 3,264,578; 3,267,397; 3,284,723; 3,296,556
116 : 3,227,813; 3,227,968; 3,230,455; 3,233,192; 3,235,817; 3,237,123; 3,239,776; 3,243,726; 3,243,951; 3,245,001; 3,248,623; 3,252,108; 3,256,498; 3,258,669; 3,260,959; 3,260,960; 3,263,207; 3,265,987; 3,275,947; 3,277,465; 3,286,453; 3,289,096; 3,292,064; 3,292,100; 3,293,562; 3,293,568
117 : Re.25,977; 3,233,197; 3,235,817; 3,239,826; 3,240,955; 3,245,001; 3,246,257; 3,247,468; 3,248,672; 3,251,005; 3,255,424; 3,256,495; 3,256,496; 3,258,720; 3,260,963; 3,262,325; 3,262,326; 3,263,018; 3,263,184; 3,267,397; 3,270,284; 3,270,294; 3,271,644; 3,273,077; 3,274,588; 3,276,032; 3,277,397; 3,278,862; 3,284,637; 3,284,721; 3,284,724; 3,286,195; 3,287,663; 3,288,905; 3,290,581; 3,290,587; 3,292,104; 3,296,553
126 : 3,268,733
127 : 3,286,196
128 : 3,286,196
129 : 3,252,070; 3,290,615
130 : 3,237,109; 3,246,255; 3,293,600
131 : 3,241,086; 3,278,861
132 : 3,231,832; 3,234,474; 3,234,485; 3,235,817; 3,252,112; 3,253,233; 3,254,309; 3,280,339
133 : 3,296,537
135 : 3,242,442; 3,254,311; 3,262,073
136 : 3,263,190; 3,286,192
137 : 3,244,995; 3,257,611; 3,271,694; 3,289,102
138 : 3,233,126
139 : 3,296,511
140 : 3,271,694
141 : 3,239,767; 3,247,465; 3,257,607; 3,257,611; 3,277,398
142 : 3,286,192
143 : 3,247,469
144 : 3,238,471; 3,240,989; 3,241,087; 3,253,234; 3,259,854; 3,262,069; 3,263,189; 3,268,834; 3,271,697; 3,286,197; 3,290,617
145 : 3,233,190; 3,245,003; 3,246,260; 3,293,569
146 : 3,247,419
147 : 3,239,777
148 : 3,249,892; 3,290,612
149 : 3,235,812; 3,246,260; 3,263,187
153 : 3,243,714; 3,260,962; 3,296,554
154 : 3,277,394; 3,283,271; 3,290,595
155 : 3,231,779; 3,254,284; 3,256,498; 3,290,595; 3,293,557
156 : 3,246,259; 3,250,997; 3,254,222; 3,254,310; 3,256,497; 3,265,850; 3,275,947; 3,292,085
157 : 3,254,284; 3,261,339; 3,271,644; 3,273,077; 3,286,453; 3,296,511
158 : 3,252,108; 3,254,284; 3,270,296; 3,290,595; 3,296,549
159 : 3,293,562; 3,296,511
160 : 3,233,191
161 : 3,231,828; 3,251,002
162 : 3,233,192; 3,243,726; 3,290,595
163 : 3,270,296
164 : 3,231,828; 3,233,191
165 : 3,246,257; 3,278,829
166 : 3,243,728; 3,243,729; 3,251,930; 3,253,236; 3,268,732
167 : 3,230,422; 3,241,060
168 : 3,251,005; 3,254,314; 3,276,032; 3,286,199; 3,289,106; 3,292,106
170 : 3,230,422; 3,230,478; 3,296,555
171 : 3,293,631
172 : 3,231,834; 3,237,068; 3,237,156; 3,239,779; 3,241,017; 3,244,790; 3,245,003; 3,246,255; 3,247,465; 3,254,313; 3,257,623; 3,265,992; 3,275,947; 3,278,861; 3,289,104
173 : 3,229,227; 3,243,689; 3,247,466; 3,259,852; 3,278,862; 3,296,537
174 : 3,229,158; 3,260,962; 3,271,620
175 : 3,233,191; 3,256,496; 3,267,357; 3,275,948
176 : 3,239,778; 3,246,258; 3,249,890; 3,254,265; 3,259,853; 3,260,960; 3,264,579; 3,270,294; 3,270,296; 3,283,263; 3,289,055; 3,289,102; 3,296,553
177 : 3,227,968; 3,229,228; 3,230,477; 3,230,480; 3,233,197; 3,243,726; 3,246,258; 3,247,465; 3,248,672; 3,249,892; 3,249,893; 3,249,897; 3,251,007; 3,251,008; 3,252,108; 3,256,494; 3,259,845; 3,260,959; 3,260,960; 3,260,963; 3,262,072; 3,263,184; 3,265,986; 3,267,393; 3,270,297; 3,271,694; 3,271,700; 3,277,389; 3,277,397; 3,281,715; 3,281,717; 3,284,660; 3,286,194; 3,288,904; 3,289,106; 3,289,124; 3,293,569
178 : 3,249,889; 3,256,493; 3,257,623; 3,260,785; 3,267,390; 3,274,511; 3,283,254
179 : 3,243,726; 3,249,896; 3,251,005; 3,263,182; 3,270,323; 3,277,398; 3,288,904; 3,296,550
180 : 3,234,486; 3,259,856
181 : 3,229,046; 3,233,946; 3,239,826; 3,253,235; 3,254,311; 3,257,623; 3,263,182; 3,267,390; 3,275,948; 3,284,721
182 : 3,242,441; 3,249,892; 3,265,985; 3,281,699; 3,292,104
183 : 3,233,191; 3,239,776; 3,243,713; 3,247,469; 3,254,311; 3,258,714; 3,258,719; 3,267,385; 3,268,834; 3,271,669; 3,271,694; 3,276,032; 3,278,770; 3,278,860; 3,284,724; 3,287,658; 3,292,104; 3,292,107; 3,293,568; 3,296,553
184 : 3,286,196
185 : 3,230,455; 3,230,473; 3,231,834; 3,233,239; 3,242,441; 3,264,576; 3,268,832; 3,270,294
187 : 3,252,674; 3,290,614
945 : 3,293,438

Class 332

1 : 3,267,298; 3,273,141; 3,284,711; 3,290,673; 3,290,686
2 : 3,229,046
3 : 3,229,106; 3,230,292; 3,234,488; 3,235,799; 3,239,670; 3,242,428; 3,244,890; 3,250,845; 3,255,297; 3,268,733
5 : 3,248,665
7 : 3,249,793; 3,274,510; 3,277,373; 3,292,101
.51: 3,295,911
.51: 3,295,912
9 : 3,227,892; 3,227,995; 3,231,824; 3,235,735; 3,252,073; 3,252,074; 3,252,097; 3,258,596; 3,260,109; 3,260,912; 3,260,965; 3,263,186; 3,274,514; 3,281,806; 3,286,200; 3,290,673; 3,290,686
10 : 3,253,228; 3,270,284
11 : 3,242,480; 3,249,870; 3,263,185; 3,267,459; 3,270,335
12 : 3,239,656; 3,248,635; 3,249,896; 3,253,228; 3,255,293
13 : 3,244,896; 3,259,855; 3,274,515
14 : 3,228,252; 3,230,477; 3,233,190; 3,235,812; 3,245,004; 3,245,006; 3,246,258; 3,246,260; 3,254,243; 3,263,187; 3,263,189; 3,264,580; 3,270,284; 3,281,715; 3,284,637
.15 : 3,249,895; 3,252,094; 3,260,912; 3,275,949; 3,277,395
16 : 3,229,033; 3,229,229; 3,230,306; 3,230,477; 3,230,479; 3,231,824; 3,245,006; 3,246,260; 3,249,845; 3,249,896; 3,251,008; 3,260,965; 3,262,072; 3,263,189; 3,267,391; 3,271,698; 3,274,516; 3,281,717; 3,289,096; 3,289,106; 3,290,617; 3,292,106; 3,296,556
17 : 3,260,964; 3,262,056; 3,264,457; 3,277,397; 3,287,622
18 : 3,237,121; 3,238,456; 3,245,004; 3,260,964; 3,262,056; 3,263,190; 3,273,073; 3,275,949; 3,277,395; 3,283,252; 3,290,617
19 : 3,231,820; 3,238,456; 3,253,237; 3,258,694; 3,263,186; 3,263,187; 3,263,188; 3,287,664
20 : 3,258,700
22 : 3,234,390; 3,247,432; 3,248,663; 3,253,223
23 : 3,243,730; 3,260,964; 3,267,392
24 : 3,238,471; 3,249,897
25 : 3,230,466; 3,274,515
26 : 3,235,819; 3,252,108; 3,260,960; 3,265,992
27 : 3,234,486; 3,243,730; 3,262,073
28 : 3,259,856; 3,292,101
29 : 3,229,046; 3,230,480; 3,238,463; 3,245,005; 3,248,672; 3,250,845; 3,255,414; 3,255,423; 3,257,495; 3,265,988; 3,271,694; 3,277,397; 3,277,398; 3,278,863; 3,290,616; 3,290,617; 3,296,556
30 : 3,227,967; 3,227,968; 3,243,707; 3,243,716; 3,243,731; 3,247,465; 3,249,893; 3,249,897; 3,252,108; 3,253,227; 3,256,498; 3,260,960; 3,262,072; 3,270,297; 3,284,729; 3,286,194; 3,287,664; 3,290,516; 3,293,571
31 : 3,227,892; 3,229,230; 3,234,475; 3,242,443; 3,243,732; 3,245,006; 3,270,284
37 : 3,242,269; 3,273,073; 3,274,492; 3,274,518
38 : 3,259,856
39 : 3,293,550
41 : 3,230,472; 3,234,390; 3,264,580
43 : 3,229,230; 3,233,194; 3,237,129; 3,239,780; 3,253,223; 3,256,244; 3,284,711
44 : 3,229,209; 3,230,456; 3,242,443; 3,243,707; 3,252,094; 3,256,443; 3,262,056; 3,273,078; 3,275,950; 3,275,951; 3,284,711
45 : 3,230,472; 3,243,731; 3,245,007; 3,259,692; 3,267,392; 3,271,681; 3,271,682; 3,274,492; 3,277,376
47 : 3,229,122; 3,230,386; 3,231,673; 3,243,731; 3,247,471; 3,254,312; 3,270,278; 3,273,078; 3,275,951
48 : 3,229,232; 3,238,464; 3,238,472; 3,239,780; 3,270,297
49 : 3,275,950
51 : 3,229,231; 3,234,390; 3,235,819; 3,239,670; 3,239,671; 3,253,227; 3,255,293; 3,255,423; 3,257,627; 3,263,176; 3,263,500; 3,264,547; 3,277,396
52 : 3,229,106; 3,233,031; 3,234,475; 3,238,472; 3,239,780; 3,240,859; 3,243,716; 3,243,732; 3,249,898; 3,250,845; 3,260,966; 3,267,391; 3,271,701; 3,272,996; 3,273,078; 3,278,763; 3,284,712; 3,293,557
53 : 3,284,729
54 : 3,229,106
56 : 3,234,475; 3,243,716; 3,246,257; 3,248,672; 3,255,297; 3,255,414; 3,260,966; 3,268,835; 3,270,297; 3,271,669
58 : 3,230,466; 3,256,460; 3,259,855; 3,274,515; 3,296,483
59 : 3,265,988; 3,274,518
60 : 3,268,835; 3,275,950
61 : 3,262,056
63 : 3,271,699
68 : 3,230,292
82 : 3,274,466
84 : 3,274,466

Class 333

1 : Re.26,091; 3,249,818; 3,270,339
.1 : 3,229,193
.1 : 3,234,494
.1 : 3,246,263
.1 : 3,258,703
.1 : 3,267,395
.1 : 3,268,901
.1 : 3,274,521
.1 : 3,276,019
.1 : 3,284,717
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6 : 3,227,959; 3,234,333; 3,265,993; 3,267,394; 3,277,400; 3,283,178; 3,289,091; 3,290,626; 3,292,075
7 : Re.26,091; 3,227,977; 3,245,014; 3,246,164; 3,268,838; 3,276,018; 3,278,763; 3,280,364; 3,281,808; 3,290,470; 3,296,405
8 : 3,237,164; 3,286,201; 3,296,557
9 : 3,233,195; 3,243,733; 3,250,994; 3,258,721; 3,264,581; 3,271,702; 3,277,399; 3,277,489; 3,286,202
10 : 3,229,233; 3,230,390; 3,230,481; 3,234,555; 3,235,820; 3,243,704; 3,249,863; 3,255,456; 3,264,586; 3,267,395; 3,270,298; 3,273,064; 3,277,403; 3,280,364

11 : 3,233,194; 3,235,820; 3,237,130; 3,241,071; 3,241,146; 3,252,113; 3,253,231; 3,257,614; 3,274,604; 3,281,710; 3,284,725; 3,287,667; 3,290,545; 3,290,599; 3,292,112
12 : 3,240,874; 3,250,860; 3,252,093; 3,267,292; 3,283,311
13 : 3,249,939; 3,268,757; 3,281,719
14 : 3,229,038; 3,229,049; 3,230,470; 3,241,066; 3,296,527
17 : 3,230,532; 3,243,734; 3,249,871; 3,267,385; 3,287,656
18 : 3,238,300; 3,268,815; 3,274,521; 3,278,866; 3,283,063; 3,290,590
19 : 3,281,694
20 : 3,252,093; 3,275,851; 3,289,195
21 : 3,230,463; 3,230,465; 3,230,481; 3,233,139; 3,233,241; 3,239,713; 3,242,439; 3,248,601; 3,259,859; 3,265,993; 3,267,475; 3,268,894; 3,268,902; 3,274,604; 3,281,843; 3,281,851; 3,284,725; 3,286,202; 3,286,203; 3,287,729; 3,287,730
22 : 3,237,101; 3,262,020; 3,264,515; 3,270,280
24 : Re.26,091; 3,233,182; 3,234,555; 3,239,751; 3,243,704; 3,245,007; 3,248,601; 3,249,854; 3,250,994; 3,259,899; 3,268,838; 3,272,955; 3,278,763
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.1 : 3,235,819
.1 : 3,247,472
.1 : 3,267,395
.1 : 3,268,837
.1 : 3,273,082
.1 : 3,274,516
.1 : 3,277,400
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.2 : 3,231,835
.2 : 3,234,494
.2 : 3,246,261
.2 : 3,247,472
.2 : 3,277,402
.2 : 3,286,203
.2 : 3,287,666
.2 : 3,289,110
.2 : 3,290,625
.2 : 3,292,075
.2 : 3,292,109
24.2 : 3,292,114
.2 : 3,296,541
.3 : 3,234,494
.3 : 3,238,529
.3 : 3,251,026
.3 : 3,267,804
.3 : 3,277,401
.3 : 3,281,843
25 : 3,273,079; 3,283,311; 3,290,653
26 : 3,239,713; 3,239,781; 3,262,121; 3,265,994; 3,265,995; 3,274,520; 3,283,079
27 : 3,280,362; 3,286,202; 3,292,032
28 : 3,230,537; 3,231,819; 3,231,837; 3,237,121; 3,268,836; 3,283,063; 3,286,206; 3,287,695
29 : 3,228,010; 3,235,662; 3,236,951; 3,238,527; 3,243,734; 3,247,457; 3,252,093; 3,258,723; 3,263,169; 3,263,225; 3,271,703; 3,276,018; 3,277,381; 3,277,450; 3,278,846; 3,278,866; 3,283,063; 3,284,804; 3,287,626; 3,289,195; 3,290,591; 3,290,607; 3,290,622; 3,290,649
30 : 3,234,482; 3,240,962; 3,241,126; 3,242,444; 3,246,164; 3,249,882; 3,251,026; 3,252,722; 3,254,231; 3,258,767; 3,259,014; 3,262,769; 3,273,146; 3,277,405; 3,283,164; 3,283,264; 3,288,931; 3,290,649; 3,292,109; 3,293,557; 3,293,575; 3,296,555; 3,296,585
31 : 3,227,972; 3,230,413; 3,230,537; 3,230,539; 3,231,780; 3,231,798; 3,233,139; 3,234,494; 3,244,932; 3,244,993; 3,249,882; 3,250,945; 3,253,238; 3,254,262; 3,256,487; 3,258,639; 3,258,640; 3,258,721; 3,263,116; 3,267,394; 3,273,080; 3,274,520; 3,277,339; 3,277,401; 3,277,403; 3,277,450; 3,278,792; 3,286,120; 3,287,670; 3,287,672; 3,289,030; 3,289,031; 3,290,619; 3,290,623; 3,292,112; 3,296,484; 3,296,542
32 : 3,243,716; 3,255,421; 3,264,584; 3,273,098; 3,280,337; 3,281,726; 3,284,718; 3,296,557
33 : 3,227,950; 3,253,231; 3,259,859; 3,265,994; 3,271,775; 3,273,085; 3,274,521; 3,280,362; 3,289,023; 3,292,032; 3,296,620
34 : 3,245,010; 3,278,763; 3,296,457
35 : 3,230,482; 3,246,265; 3,254,309; 3,278,763
70 : 3,227,966; 3,227,973; 3,229,228; 3,233,182; 3,234,545; 3,238,429; 3,238,453; 3,239,751; 3,240,099; 3,243,738; 3,251,010; 3,256,588; 3,257,628; 3,260,968; 3,263,169; 3,266,121; 3,270,213; 3,272,989; 3,273,027; 3,275,954; 3,275,980; 3,281,776; 3,284,646; 3,284,723; 3,284,728; 3,287,669; 3,290,591; 3,293,552; 3,293,570; 3,296,463; 3,296,464; 3,296,546
71 : 3,241,090; 3,246,259; 3,254,310; 3,259,858; 3,260,970; 3,265,996; 3,270,300; 3,271,704; 3,281,724; 3,283,164; 3,283,270; 3,284,727; 3,286,190; 3,289,114; 3,290,609; 3,290,649; 3,292,109; 3,292,113
72 : 3,234,482; 3,240,962; 3,252,722; 3,254,231; 3,260,969; 3,264,583; 3,271,704; 3,277,404; 3,283,264; 3,284,728; 3,287,669; 3,296,561; 3,296,562
73 : 3,227,974; 3,227,977; 3,229,205; 3,229,214; 3,230,481; 3,233,139; 3,234,555; 3,237,122; 3,242,444; 3,255,421; 3,257,614; 3,258,721; 3,260,852; 3,263,116; 3,264,404; 3,264,584; 3,277,403; 3,283,267; 3,287,667; 3,289,091
74 : 3,229,228; 3,260,925; 3,265,973; 3,289,116
75 : 3,231,837; 3,238,765; 3,287,669; 3,289,116
76 : 3,229,229; 3,234,477; 3,244,992; 3,247,475; 3,256,391; 3,265,810; 3,265,994; 3,267,396; 3,274,519; 3,281,646; 3,284,728; 3,287,695; 3,289,102; 3,289,116; 3,290,578; 3,290,625; 3,296,519
77 : 3,244,998; 3,262,075; 3,281,701
78 : 3,263,191; 3,283,265
79 : 3,229,184; 3,230,431; 3,233,196; 3,237,080; 3,246,229; 3,249,834; 3,253,198; 3,257,629; 3,264,537; 3,265,997; 3,267,396; 3,268,744; 3,289,276; 3,292,072
80 : 3,235,814; 3,243,720; 3,243,743; 3,248,662; 3,255,364; 3,255,421; 3,260,965; 3,289,116; 3,292,101
81 : 3,254,304; 3,257,576; 3,258,574; 3,264,515; 3,281,848; 3,289,118; 3,296,527; 3,296,559; 3,296,560
82 : 3,227,950; 3,229,215; 3,230,465; 3,249,890; 3,252,095; 3,252,096; 3,255,408; 3,274,513; 3,278,870; 3,289,123; 3,293,646; 3,296,519
83 : 3,227,917; 3,227,972; 3,229,216; 3,229,222; 3,230,463; 3,231,832; 3,235,701; 3,235,702; 3,237,132; 3,238,467; 3,238,478; 3,240,984; 3,241,085; 3,242,439; 3,248,596; 3,248,666; 3,249,794; 3,250,985; 3,252,325; 3,255,423; 3,258,574; 3,258,703; 3,260,886; 3,261,981; 3,262,009; 3,262,119; 3,263,176; 3,263,183; 3,264,513; 3,267,352; 3,268,762; 3,270,240; 3,270,298; 3,271,698; 3,273,083; 3,274,430; 3,274,504; 3,277,406; 3,278,863; 3,278,922; 3,281,648; 3,283,261; 3,284,660; 3,284,720; 3,289,033; 3,292,006; 3,292,101; 3,292,239; 3,296,405
84 : 3,227,997; 3,230,422; 3,237,122; 3,245,011; 3,246,265; 3,249,818; 3,253,233; 3,257,629; 3,258,574; 3,258,639; 3,259,859; 3,267,394; 3,267,395; 3,268,795; 3,268,838; 3,270,298; 3,273,081; 3,274,459; 3,278,763; 3,296,542
95 : 3,233,139; 3,233,242; 3,235,702; 3,235,821; 3,247,474; 3,255,408; 3,257,630; 3,259,903; 3,265,873; 3,271,773; 3,274,504; 3,275,952; 3,277,489; 3,278,792; 3,281,691; 3,289,031; 3,289,111; 3,290,426; 3,290,762; 3,292,115; 3,293,573
96 : 3,245,013; 3,258,724; 3,261,906; 3,264,582; 3,271,506; 3,273,080; 3,283,265; 3,286,015; 3,287,490; 3,290,614; 3,293,573
97 : 3,230,386; 3,233,195; 3,245,027; 3,252,112; 3,268,795; 3,283,265; 3,286,202
98 : 3,227,971; 3,230,537; 3,231,663; 3,237,131; 3,237,132; 3,243,733; 3,249,825; 3,252,034; 3,252,112; 3,257,630; 3,259,903; 3,260,884; 3,260,969; 3,262,076; 3,265,995; 3,266,043; 3,268,838; 3,271,773; 3,273,085; 3,274,516; 3,278,865; 3,281,719; 3,281,720; 3,286,202; 3,289,023; 3,292,115; 3,293,168; 3,293,646
99 : 3,234,494; 3,245,008; 3,245,011; 3,258,767; 3,260,969; 3,262,118; 3,263,193; 3,290,649
167 : 3,293,456

Class 334

1 : 3,241,072; 3,251,234; 3,270,570
4 : 3,271,703
6 : 3,237,135; 3,239,783; 3,296,553
7 : 3,233,469; 3,233,470; 3,236,110; 3,247,728; 3,251,012; 3,276,274; 3,277,729; 3,279,264
8 : 3,266,021
9 : 3,248,730
12 : 3,275,839
13 : 3,255,414
14 : 3,243,743; 3,264,566
15 : 3,246,266; 3,251,008; 3,262,072
16 : 3,255,414; 3,281,722; 3,293,572
18 : 3,241,064
20 : 3,283,070; 3,290,602
21 : 3,241,064; 3,249,877
22 : 3,258,714
23 : 3,289,124
24 : 3,244,984
25 : 3,289,124
26 : 3,293,572
27 : 3,287,672
28 : 3,277,378
29 : 3,234,490
30 : 3,249,872
38 : 3,257,632
40 : 3,234,480; 3,243,743; 3,281,701
41 : 3,231,826; 3,252,096; 3,265,997; 3,287,671
43 : 3,278,870
44 : 3,287,672
45 : 3,270,292; 3,275,958; 3,286,195; 3,289,123
47 : 3,241,072; 3,251,002; 3,275,958; 3,289,123
50 : 3,234,490; 3,290,604
51 : 3,236,109; 3,251,234; 3,270,570; 3,270,571
52 : 3,242,271
54 : 3,275,958
56 : 3,227,978; 3,264,566; 3,278,870
64 : 3,234,477; 3,277,377; 3,290,612
65 : 3,251,012
66 : 3,286,209; 3,287,654
68 : 3,239,729; 3,247,475
69 : 3,268,835
71 : 3,257,632; 3,265,997
72 : 3,239,782; 3,260,973; 3,264,587; 3,286,209
74 : 3,227,978
76 : 3,231,840; 3,234,467; 3,271,715; 3,277,391; 3,283,279
77 : 3,227,128; 3,251,012; 3,271,715
78 : 3,229,229
80 : 3,253,240
81 : 3,239,729; 3,286,139
82 : 3,230,430; 3,239,729; 3,247,475; 3,253,240; 3,286,139
83 : 3,237,065; 3,286,195
84 : 3,239,729
85 : 3,234,480; 3,234,481; 3,275,894; 3,284,730; 3,286,209
86 : 3,254,540
88 : 3,231,840
89 : 3,243,743; 3,249,902

Class 335

18 : 3,277,407
21 : 3,286,210
37 : 3,288,965
40 : 3,296,564
45 : 3,275,959
47 : 3,274,522
71 : 3,296,565
84 : 3,271,707; 3,277,408
94 : 3,284,740
97 : 3,281,731
98 : 3,281,732
104 : 3,277,408
106 : 3,271,707
107 : 3,275,961
119 : 3,275,962
128 : 3,278,872; 3,290,629
132 : 3,290,628; 3,296,567
133 : 3,275,962; 3,277,409; 3,289,127
134 : 3,268,840
136 : 3,268,840; 3,275,962; 3,277,409
147 : 3,292,111
151 : 3,273,086
152 : 3,275,960; 3,293,502
153 : 3,283,273; 3,289,128
157 : 3,273,086
160 : 3,267,234
161 : 3,281,734
162 : 3,277,413; 3,296,567
163 : 3,284,739; 3,289,131
166 : 3,290,627
167 : 3,267,234
171 : 3,292,118
177 : 3,284,741; 3,289,131; 3,292,120
178 : 3,271,707
179 : 3,275,960; 3,281,732
180 : 3,284,735
181 : 3,277,409
183 : 3,274,524
190 : 3,290,631
191 : 3,290,627
193 : 3,283,272; 3,292,119
196 : 3,292,124; 3,296,566
197 : 3,281,732
202 : 3,268,839
203 : 3,292,119
205 : 3,284,739

Class 335—Con.

205 : 3,289,130
206 : 3,267,234
207 : 3,283,274
3,292,121
3,292,125
208 : 3,284,735
212 : 3,290,534
216 : 3,286,014
220 : 3,271,707
228 : 3,290,631
229 : 3,281,730
232 : 3,278,873
241 : 3,273,095
247 : 3,292,119
251 : 3,273,095
3,278,874
3,281,740
253 : 3,281,739
257 : 3,284,742
267 : 3,275,964
268 : 3,275,964
270 : 3,281,739
272 : 3,289,133
3,293,580
276 : 3,273,087
279 : 3,268,841
3,273,093
3,275,965
281 : 3,268,841
3,290,632
296 : 3,292,124
299 : 3,281,737
3,283,276
3,283,277
306 : 3,277,415

Class 336

5 : 3,246,267
12 : 3,290,510
15 : 3,257,632
20 : 3,229,524
3,258,726
3,271,715
3,277,391
3,281,678
3,289,042
30 : 3,230,487
3,233,231
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3,250,983
3,259,984
3,267,390
3,267,399
3,273,052
3,273,100
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3,281,655
3,281,809
3,286,523
45 : 3,227,979
3,254,318
55 : 3,275,893
57 : 3,261,905
58 : 3,234,493
3,235,823
3,242,250
3,243,495
3,253,081
3,261,905
3,264,589
3,264,592
3,271,711
3,287,677
59 : 3,238,464
3,243,746
3,271,710
60 : 3,237,136
3,252,117
3,264,589
3,271,712
61 : 3,233,198
3,239,784
3,273,094
3,283,188
3,287,670
62 : 3,263,136
65 : 3,227,982
3,234,493
3,238,484
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3,262,077
3,264,590
3,264,592
65 : 3,273,053
67 : 3,249,903
69 : 3,260,978
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70 : 3,264,592
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73 : 3,293,583
75 : 3,239,782
79 : 3,230,487
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83 : 3,227,980
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94 : 3,229,023
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110 : 3,293,468
115 : 3,250,983
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187 : 3,230,488
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3,280,244
188 : 3,274,527
189 : 3,277,416
191 : 3,275,966
192 : 3,230,490
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3,237,137
3,237,143
3,242,446
3,243,744
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3,259,862
3,263,309
3,271,716
3,278,876
3,281,744
3,283,269
195 : 3,260,977
3,286,153
197 : 3,234,492
3,258,727
3,275,776
198 : 3,230,489
3,234,491
3,243,745
3,243,746
3,244,944
3,258,728
3,259,864
198 : 3,273,099
3,277,417
3,278,876
3,278,877
3,281,744
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3,284,749
3,284,754
3,287,683
199 : 3,264,590
200 : 3,234,631
3,234,632
3,238,480
3,240,642
3,247,476
3,247,504
3,247,573
3,290,233
3,290,758
205 : 3,238,484
3,239,784
3,246,271
3,263,196
3,271,717
3,287,498
3,293,582
206 : 3,234,063
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207 : 3,237,136
208 : 3,230,489
3,230,490
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3,265,999
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209 : 3,235,825
3,271,717
3,287,681
3,292,127
210 : 3,234,492
3,235,823
3,237,035
3,238,404
3,242,472
3,246,273
3,253,171
3,262,077
3,264,593
3,281,745
211 : 3,227,982
3,248,676
3,252,118
3,270,308
212 : 3,246,273
3,252,119
3,255,369
3,255,404
3,262,077
3,274,526
3,278,878
3,284,747
3,284,748
3,287,670
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213 : 3,248,781
3,267,557
3,287,682
3,289,279
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214 : 3,260,976
3,284,747
215 : 3,233,073
3,237,127
3,241,048
3,242,419
3,242,447
3,250,982
3,258,726
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3,266,126
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3,287,682
216 : 3,248,781
3,270,308
3,278,878
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3,289,280
217 : 3,242,447
3,262,077
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217 : 3,289,279
3,290,633
218 : 3,242,447
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219 : 3,266,126
3,274,526
220 : 3,273,054
221 : 3,229,149
3,234,456
3,246,192
3,273,100
3,275,839
3,290,550
3,292,579
222 : 3,234,491
3,245,015
3,257,345
3,290,550
223 : 3,234,063
3,260,868
3,263,197
3,271,712
3,271,716
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224 : 3,264,592
3,273,052
225 : 3,234,461
3,234,491
3,235,790
3,238,482
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3,260,868
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3,267,406
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228 : 3,238,484
229 : 3,230,488
3,234,461
3,237,137
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3,243,744
3,246,272
3,246,287
3,258,726
3,263,191
3,266,126
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3,292,127
3,293,583
232 : 3,233,154
3,246,234
3,281,746
233 : 3,234,494
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3,238,484
3,239,826
3,246,192
3,255,369
3,255,512
3,287,670
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234 : 3,242,472
3,243,519
3,246,273
3,247,476
3,270,307
3,271,718
3,278,878

Class 337

105 : 3,230,471

Class 338

2 : 3,234,787
3,237,138
3,242,448
3,242,449
3,245,018
3,246,385
3,246,510
3,251,222
3,252,321
3,254,529
3,270,554
3,295,377
3 : 3,245,018
3,290,928
4 : 3,252,071
3,269,184
3,270,562
5 : 3,240,057
3,241,375
3,245,016
3,263,199
3,266,303
3,278,882
5 : 3,293,584
7 : 3,267,733
9 : 3,287,680
12 : 3,262,081
13 : 3,234,540
3,245,067
3,256,483
3,264,561
3,275,978
15 : 3,244,889
3,246,161
3,248,261
3,248,474
3,251,055
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17 : 3,232,192
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18 : 3,227,877
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19 : 3,239,675
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3,265,532
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20 : 3,249,853
3,249,892
3,255,392
21 : 3,259,781
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22 : 3,231,522
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3,243,753
3,245,019
3,267,403
3,268,844
3,270,310
3,271,844
3,284,418
3,287,680
3,293,085
3,293,540
23 : 3,269,174
3,284,418
24 : 3,265,302
25 : 3,266,002
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3,270,309
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3,271,844
28 : 3,237,139
3,243,753
3,249,988
3,266,001
3,286,174
3,286,214
3,295,373
32 : 3,232,787
3,234,439
3,238,514
3,239,375
3,242,471
3,251,715
3,256,483
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3,259,887
3,260,856
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3,263,220
3,264,617
3,265,959
3,278,808
3,281,749
3,281,799
3,284,703
3,284,750
3,286,161
3,288,637
3,292,160
3,292,242
3,296,459
33 : 3,240,388
34 : 3,243,891
3,245,068
3,247,478
3,255,324
3,264,558
3,271,719
3,275,978
35 : 3,245,067
3,282,097
36 : 3,238,487
3,270,562
3,271,720
3,278,882

36 : 3,283,283
3,286,213
3,289,136
38 : 3,268,845
39 : 3,250,843
41 : 3,235,826
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42 : 3,237,138
3,242,448
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3,289,134
44 : 3,271,650
47 : 3,248,474
3,258,729
3,263,199
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3,293,585
49 : 3,229,208
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51 : 3,271,722
3,281,750
3,296,559
52 : 3,227,983
55 : 3,260,939
3,264,561
58 : 3,237,142
61 : 3,238,486
3,246,104
3,267,406
64 : 3,239,751
3,267,355
66 : 3,243,763
68 : 3,260,826
76 : 3,255,425
86 : 3,263,616
3,280,300
89 : 3,241,015
90 : 3,284,697
3,290,495
95 : 3,270,135
101 : 3,281,784
114 : 3,248,474
3,252,071
3,278,881
117 : 3,233,200
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120 : 3,267,251
122 : 3,278,721
123 : 3,278,835
126 : 3,284,752
128 : 3,268,799
129 : 3,296,521
130 : 3,268,799
131 : 3,256,713
3,260,951
3,260,954
3,266,326
3,267,749
132 : 3,267,749
134 : 3,230,491
142 : 3,237,133
3,273,084
143 : 3,227,986
3,257,606
3,284,752
3,289,137
3,290,567
148 : 3,252,121
150 : 3,251,016
3,273,084
154 : 3,248,678
159 : 3,271,722
162 : 3,237,143
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163 : 3,284,752
168 : 3,242,450
174 : 3,235,827
3,242,450
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176 : 3,271,715
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177 : 3,252,121
180 : 3,227,987
3,239,790
3,269,022
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183 : 3,233,201
3,237,141
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3,259,727
184 : 3,235,827
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184 : 3,271,721
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187 : 3,251,016
188 : 3,233,201
191 : 3,281,658
196 : 3,241,515
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197 : 3,289,137
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202 : 3,233,200
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210 : 3,255,337
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211 : 3,266,005
212 : 3,238,355
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214 : 3,275,803
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216 : 3,255,425
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220 : 3,253,270
222 : 3,227,984
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223 : 3,238,355
3,248,474
226 : 3,279,038
230 : 3,244,861
231 : 3,249,892
233 : 3,253,243
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237 : 3,244,559
3,268,779
238 : RE.25,994
3,245,016
3,252,122
3,254,320
3,267,733
239 : 3,245,018
3,263,089
240 : 3,230,298
3,230,492
3,245,017
241 : 3,286,214
243 : 3,296,572
245 : 3,243,891
253 : 3,286,214
254 : 3,244,858
255 : 3,243,573
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260 : 3,243,670
261 : 3,251,017
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264 : 3,229,237
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266 : 3,248,679
268 : 3,244,861
269 : 3,238,489
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270 : 3,237,143
3,248,680
273 : RE.25,994
3,239,561
3,245,017
3,245,018
3,253,243
3,256,471
3,286,214
3,296,572
274 : 3,233,202
3,243,500
3,249,904
3,259,732
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275 : 3,229,237
3,242,393
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276 : 3,237,143
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277 : 3,239,751
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283 : 3,237,144
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3,283,284
284 : 3,283,284
286 : 3,253,244
287 : 3,283,284
290 : 3,237,142
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294 : 3,254,320
295 : 3,274,374
3,283,285
3,290,567
296 : 3,283,128
297 : 3,227,986
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3,293,585
298 : 3,283,285
299 : 3,253,244
300 : 3,289,139
302 : 3,229,237
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3,273,101
3,277,417
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303 : 3,239,377
3,263,198
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3,289,139
304 : 3,272,111
307 : 3,240,602
3,248,474
308 : 3,239,788
3,239,789
3,240,625
3,242,006
3,248,682
3,249,904
3,252,831
3,258,413
3,259,768
3,261,082
3,266,661
3,270,146
3,271,722
3,274,359
3,274,669
3,277,418
3,277,419
3,282,730
3,284,697
3,287,161
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3,289,139
3,290,567
3,293,587
309 : 3,229,235
3,229,236
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310 : 3,247,477
311 : 3,229,236
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312 : 3,229,236
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3,277,232
313 : 3,293,587
314 : 3,248,474
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3,292,130
315 : 3,279,728
316 : 3,237,142
3,253,122
3,253,244
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3,283,128
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318 : 3,237,142
3,237,144
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319 : 3,231,846
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320 : 3,229,236
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322 : 3,237,286
322 : 3,248,679
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323 : 3,227,981
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325 : 3,252,091
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326 : 3,227,987
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327 : 3,296,574
328 : 3,256,509
3,283,108
3,284,756
329 : 3,238,489
3,242,393
3,283,285
330 : 3,227,983
3,269,806
3,283,284
331 : 3,238,490
3,254,320
332 : 3,242,315
3,243,501
3,245,021
3,252,122
3,266,008

Class 339

1 : 3,252,248
2 : 3,259,727
4 : 3,227,856
5 : 3,227,981
3,229,234
3,243,866
3,253,325
3,265,914
3,271,603
7 : 3,227,856
8 : 3,234,317
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9 : 3,246,277
3,273,057
10 : 3,270,249
3,296,591
12 : 3,270,332
13 : 3,284,561
14 : 3,227,803
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17 : 3,227,927
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3,242,384
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3,243,760
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3,246,193
3,246,208
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3,259,873
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3,267,407
17 : 3,267,410
3,268,652
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3,268,774
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3,281,627
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3,283,108
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18 : 3,240,885
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19 : 3,235,831
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21 : 3,246,074
22 : 3,239,795
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23 : 3,248,576
26 : 3,292,605
28 : 3,267,452
29 : 3,231,851
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30 : 3,242,315
31 : 3,229,242
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3,289,150
3,289,151
32 : 3,231,767
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33 : 3,237,145
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34 : 3,248,683
35 : 3,277,420
36 : 3,257,497
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37 : 3,281,758
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38 : 3,267,408
39 : 3,268,852
40 : 3,251,020
41 : 3,263,037
43 : 3,276,241
44 : 3,248,683
45 : 3,243,659
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47 : 3,248,686
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50 : 3,227,981
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51 : 3,253,243
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56 : 3,247,368
59 : 3,233,033
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60 : 3,230,495
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61 : 3,253,252
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62 : 3,260,985
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63 : 3,239,791
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64 : 3,275,853
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65 : 3,245,024
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66 : 3,239,796
67 : 3,243,755
74 : 3,283,286
75 : 3,230,498
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88 : 3,281,637
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89 : 3,227,990
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90 : 3,252,124
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91 : 3,227,868
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93 : 3,248,531
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94 : RE.26,133
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96 : 3,251,927
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97 : 3,227,866
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98 : 3,242,256
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99 : 3,231,731
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101 : 3,259,871
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102 : 3,286,216
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107 : 3,260,982
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108 : D206,589
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109 : 3,259,875
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116 : 3,241,095
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117 : 3,241,095
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118 : 3,267,253
119 : RE.26,133
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125 : 3,227,989
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126 : 3,232,566
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Class 339—Con.

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3,267,205
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3,286,265
766 : 3,238,730
3,242,496
3,255,451
3,270,341
3,286,753
767 : 3,228,030
3,296,616
768 : 3,242,496
3,262,119
3,273,152
3,286,260
769 : 3,293,645
770 : 3,247,512
3,293,645
771 : 3,230,483
3,230,957
3,234,558
3,247,512
3,262,118
3,262,119
3,268,901
3,276,026
3,281,591
3,281,851
3,286,260
3,293,647
773 : 3,234,556
3,234,557
3,246,332
3,262,121
3,273,154
3,274,602
3,281,843
3,281,849
774 : 3,243,713
775 : 3,274,602
776 : 3,233,242
3,255,457
3,257,660
777 : 3,259,902
3,274,602
3,290,682
778 : 3,274,601
3,274,602
3,275,952
3,277,488
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779 : 3,231,892
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780 : 3,235,869
781 : 3,235,870
3,243,805
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786 : 3,230,535
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789 : 3,261,018
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791 : 3,293,646
792.5 : 3,248,475
.5 : 3,249,946
.5 : 3,267,479
.5 : 3,277,487
795 : 3,239,838
797 : 3,273,158
800 : 3,254,343
802 : 3,248,736
804 : 3,268,904
805 : 3,290,689
806 : 3,245,082
807 : 3,273,158
809 : 3,245,082
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810 : 3,245,082
811 : 3,277,491
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812 : 3,229,298
814 : 3,251,057
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817 : 3,273,158
818 : 3,228,031
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822 : 3,248,736
823 : 3,268,903
824 : 3,247,512
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826 : 3,268,896
829 : 3,289,208
830 : 3,293,646
831 : 3,283,327
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833 : 3,277,490
834 : 3,261,018
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848 : 3,234,503
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849 : 3,276,027
850 : 3,235,871
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858 : 3,259,899
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859 : 3,263,233
860 : 3,271,776
861 : 3,249,945
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874 : 3,229,297
875 : 3,252,161
876 : 3,234,554
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876 : 3,276,018
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877 : 3,268,898
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878 : 3,245,642
879 : 3,257,660
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884 : 3,259,904
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886 : 3,248,475
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911 : 3,230,536
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3,255,457

911 : 3,256,373
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914 : 3,231,893
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3,254,342
3,261,016
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916 : 3,263,232
3,277,479

Class 346

1 : 3,235,398
3,240,932
3,243,771
3,243,821
3,254,835
3,262,095
3,281,526
3,281,858
6.5 : 3,247,510
7 : 3,253,280
8 : 3,258,766
3,258,775
3,267,263
3,274,609
3,278,926
3,293,599
14 : 3,235,875
3,241,065
17 : 3,238,532
3,252,224
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18 : 3,243,807
19 : 3,291,920
20 : 3,281,854
21 : 3,273,132
3,293,650
22 : 3,281,807
23 : 3,231,895
3,277,440
3,277,452
25 : 3,254,346
29 : 3,244,881
3,258,775
3,273,160
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3,280,698
30 : 3,276,029
31 : 3,286,244
32 : 3,239,759
3,245,304
3,281,685
3,296,529
33 : 3,229,300
3,230,541
3,233,243
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3,234,443
3,241,101
3,241,102
3,243,697
3,245,556
3,246,334
3,247,481
3,251,039
3,251,112
3,254,579
3,254,835
3,255,458
3,262,091
3,262,092
3,262,095
3,263,159
3,267,575
3,268,861
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3,269,178
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3,277,439

33 : 3.277,440
3,277,452
3,281,775
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34 : 3,242,333
3,255,458
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35 : 3,277,245
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37 : 3,233,243
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38 : 3,230,450
45 : 3,235,875
46 : 3,241,150
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50 : 3,230,542
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54 : 3,286,805
59 : 3,268,907
60 : 3,241,151
3,281,855
61 : 3,237,198
3,266,298
62 : 3,287,640
3,287,960
65 : 3,233,245
3,288,994
66 : 3,235,878
68 : 3,256,526
3,258,778
3,270,350
3,283,335
72 : 3,264,651
74 : 3,227,816
3,228,014
3,228,015
3,229,269
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3,230,516
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74 : 3,264,623
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3,290,666
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3,291,600
3,291,601
3,292,083
3,292,171
3,293,059
3,293,543
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75 : 3,267,481
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76 : 3,233,244
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77 : 3,227,805
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78 : 3,229,302
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79 : 3,229,302
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81 : 3,234,560
89 : 3,247,319
94 : 3,233,243
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3,252,162
95 : 3,237,198
96 : 3,241,151
98 : 3,241,151
3,277,817
99 : 3,234,358
101 : 3,270,349
102 : 3,234,560
104 : 3,237,198
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105 : 3,270,347
3,281,853

107 : 3,235,873
3,235,878
3,237,197
3,240,114
3,240,135
3,241,436
3,243,819
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3,250,197
3,257,652
3,259,009
3,259,040
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3,279,342
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108 : 3,235,874
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3,243,522
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109 : 3,230,541
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3,265,503
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3,273,477
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110 : 3,230,858
3,252,375
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3,293,655
111 : 3,242,497
3,256,523
112 : 3,246,562
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113 : 3,270,348
114 : 3,290,691
118 : 3,286,271
123 : 3,228,032
133 : 3,283,333
134 : 3,229,301
135 : 3,230,543
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3,256,523
3,265,524
3,269,854
136 : 3,229,301
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137 : 3,234,560
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138 : 3,235,048
3,259,889
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3,274,608
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139 : 3,228,032
3,233,247
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140 : 3,270,349
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141 : 3,234,560
3,235,875

141 : 3,270,347
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143 : 3,268,909
145 : 3,266,048
3,270,350
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146 : 3,235,875
3,252,163

Class 347

74 : 3,277,818

Class 350

55 : 3,296,443
129 : 3,295,910
179 : 3,295,913
191 : 3,295,913
209 : 3,295,913
216 : 3,295,913
219 : 3,291,553
220 : 3,291,553
233 : 3,291,553
288 : 3,291,435

Class 351

1 : 3,272,506
3,278,182
3 : 3,258,303
6 : 3,264,932
3,290,927
13 : 3,248,162
3,266,368
3,290,927
17 : 3,269,792
23 : 3,235,321
25 : 3,240,548
30 : 3,269,792
31 : 3,284,154
36 : 3,284,154
3,288,546
37 : 3,244,468
39 : 3,240,548
40 : 3,227,507
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44 : 3,233,249
3,233,250
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3,254,932
3,261,652
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3,267,807
3,269,267
47 : 3,238,005
49 : 3,245,315
3,272,064
57 : 3,252,747
58 : 3,238,005
83 : 3,261,652
95 : 3,260,562
97 : 3,260,562
106 : 3,243,249
108 : 3,243,249
111 : 3,266,111
113 : 3,243,248
114 : 3,285,688
116 : 3,261,652
121 : 3,243,248
123 : 3,288,547
126 : 3,285,688
131 : 3,233,250
132 : 3,233,956
137 : 3,233,956
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138 : 3,283,888
144 : 3,243,249
153 : 3,241,904
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158 : 3,247,330
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159 : 3,228,915
160 : 3,279,878
3,285,512
161 : 3,270,099
163 : 3,245,315
168 : 3,240,548
3,279,878
170 : 3,245,745
177 : 3,238,676
3,245,745
3,270,099

Class 352

5 : 3,281,151
6 : 3,234,849

8 : 3,234,849
12 : 3,232,167
3,233,510
3,240,329
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14 : 3,238,006
15 : 3,266,862
17 : 3,259,010
3,259,011
3,259,450
21 : 3,233,958
22 : 3,278,251
23 : 3,233,510
24 : 3,288,550
26 : 3,238,842
3,240,117
3,270,614
3,276,313
3,282,154
27 : 3,233,958
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29 : 3,260,564
3,276,313
30 : 3,282,485
31 : 3,233,957
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3,248,163
34 : 3,281,199
37 : 3,256,775
3,259,011
43 : 3,256,773
3,256,776
44 : 3,258,304
47 : 3,227,509
3,269,794
48 : 3,269,794
3,288,548
49 : 3,261,120
50 : 3,233,509
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51 : 3,263,582
3,271,097
52 : 3,271,097
54 : 3,288,548
57 : 3,232,166
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58 : 3,248,165
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60 : 3,262,749
61 : 3,279,313
62 : 3,254,933
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63.2 : 3,292,061
65 : 3,254,933
67 : 3,248,999
68 : 3,257,899
69 : 3,279,310
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70 : 3,234,865
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72 : 3,227,508
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75 : 3,227,058
78 : 3,245,746
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3,253,797
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3,284,155
80 : 3,240,116
81 : 3,238,841
82 : 3,234,849
3,245,748
3,260,436
3,284,923
83 : 3,233,959
3,238,007
3,240,550
3,248,164
3,260,436
84 : 3,240,137
3,257,899
3,259,040
3,262,750
3,291,555

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Class 352—Con.

85 : 3,233,508
3,253,505
3,279,310
3,291,904
86 : 3,235,381
3,240,549
3,256,773
3,261,120
3,293,358
87 : 3,228,742
3,295,915
89 : 3,254,559
90 : 3,228,283
3,241,434
3,263,555
91 : 3,281,592
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92 : 3,263,555
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102 : 3,252,371
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103 : 3,231,685
104 : 3,241,439
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108 : 3,245,747
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109 : 3,287,081
113 : 3,257,899
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114 : 3,245,750
119 : 3,232,688
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120 : 3,259,449
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124 : 3,285,689
126 : 3,231,685
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127 : 3,295,427
128 : 3,228,619
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3,260,564
3,271,095
3,278,252
3,282,637
3,292,875
129 : 3,245,750
3,259,448
130 : 3,262,381
3,288,027
131 : 3,233,703
3,239,604
3,245,747
3,292,989
3,248,999
3,273,449
3,234,849
3,236,581
3,228,289
3,249,001
3,249,006
3,249,007
3,263,558
3,264,935
3,230,847
3,239,301
3,272,103
3,279,343
3,292,517
3,273,953
3,238,008
3,280,491
3,265,266
3,285,689
3,233,839
3,233,958
3,257,515
3,259,291
3,263,885
3,265,320
3,270,974
133 : 3,241,735
3,268,287
3,281,091
138 : 3,240,116
3,248,029
3,279,666
139 : 3,232,689
3,248,166
140 : 3,234,848
3,252,748
3,288,550
141 : 3,246,817
3,261,654
3,286,372
3,291,355
146 : 3,259,959
147 : 3,246,944
156 : 3,259,448
157 : 3,263,555
158 : 3,245,628
3,261,654
3,264,051
3,270,930
3,292,832
158 : 3,276,649
3,285,689
159 : 3,232,688
3,233,958
3,235,150
166 : 3,240,116
3,248,029
3,279,666
167 : 3,232,689
3,248,166
168 : 3,234,848
3,252,748
3,288,550
169 : 3,246,817
3,261,654
3,286,372
3,291,355
170 : 3,233,959
171 : 3,246,944
3,259,448
3,263,555
173 : 3,245,628
3,261,654
3,264,051
3,270,930
3,292,832
174 : 3,246,817
3,246,944
174 : 3,259,448
3,265,458
175 : 3,238,008
3,282,520
176 : 3,243,251
177 : 3,238,008
3,265,458
178 : 3,238,008
3,248,166
180 : 3,248,029
184 : 3,235,150
3,236,580
3,250,194
185 : 3,230,825
3,235,150
3,247,126
188 : 3,288,028
189 : 3,286,536
190 : 3,236,580
191 : 3,244,472
3,253,757
3,265,457
192 : 3,292,989
194 : 3,278,098
3,288,550
197 : 3,230,850
3,234,866
3,264,968
3,273,484
198 : 3,228,286
3,232,689
198 : 3,241,437
3,241,440
3,262,359
3,263,070
3,267,802
3,283,141
200 : 3,245,747
3,245,749
202 : 3,241,440
3,250,175
3,253,501
204 : 3,240,118
3,245,750
3,292,517
205 : 3,248,166
206 : 3,268,286
207 : 3,248,166
208 : 3,269,793
3,275,399
3,287,081
210 : 3,236,581
212 : 3,287,081
214 : 3,251,286
216 : 3,232,690
3,247,126
219 : 3,236,581
220 : 3,232,690
221 : 3,228,743
3,242,803
3,244,472
3,250,586
221 : 3,252,370
3,253,501
3,253,757
3,253,798
3,260,564
222 : 3,267,801
224 : 3,253,798
226 : 3,246,943
227 : 3,240,550
228 : 3,273,953
229 : 3,271,099
231 : 3,253,502
232 : 3,231,685
3,245,750
3,269,261
236 : 3,259,011
3,263,555
240 : 3,276,837
243 : 3,230,850
3,234,866
3,240,143
3,242,840
3,273,484
244 : 3,286,027

Class 367

88.5 : 3,274,402

1966

CLASSIFICATION OF DESIGNS

CROSS-REFERENCE CLASSIFICATION

Class D1

3 : 203,383
205,085
205,948
206,639
12 : 203,486
203,507
203,635
203,725
203,941
204,894
205,115
205,299
205,932

Class D2

3 : 204,594
204,997

Class D3

11 : 205,928
13 : 206,620
206,621
206,622
206,623
206,624
206,625
19 : 203,510
203,683
204,442
26 : 3,253,282

Class D4

3 : 203,695
204,463
204,683
205,010
206,254
5 : 205,746

Class D5

1 : 205,978
2 : 204,737
5 : 204,737

Class D6

2 : 206,249

Class D7

4 : 205,181
5 : 204,053
6 : 203,438
7,14 : 205,181
4 : 205,181

Class D8

1 : 203,728

Class D9

2 : 203,811
204,481
204,489
204,490
204,581
204,800
205,748
206,615
6 : 203,742
203,962
204,248
204,480
204,660
206,517

Class D10

8 : 203,868
203,935
204,008
204,203
204,220
204,461
205,243

Class D13

1 : 203,428
204,110
205,360
206,252
206,253
206,582
6 : 203,385
203,486
203,525
203,635
203,822
204,889
205,054
205,317

Class D14

3 : 203,454
203,531
203,755
203,778
203,841
203,843
203,847
204,068
204,289
204,493
205,042
205,174
205,522
205,523
206,218
206,219
6 : 205,505
14 : 203,548
18 : 204,871
30 : 3,245,283
3,248,965
3,256,748

Class D15

1 : 203,435
204,252
204,401
204,447
204,918
205,188
6 : 205,840
8 : 204,443
205,339
205,340
205,341
205,342
205,343
205,344
205,345
205,840
205,851
11 : 203,603
205,353
205,498

Class D16

1 : 205,170
2 : 205,416
206,640

Class D17

2 : 204,203
204,742
204,743
204,801
204,802
205,130
205,347
3 : 204,134
204,159
204,446
204,931
205,007
6 : 204,467
204,857
205,577
8 : 204,265
9 : 203,538
12 : 204,021
205,010
206,587

Class D18

2 : 203,814
203,922
204,382

Class D21

1 : 203,796
204,376
205,495

Class D22

2 : 204,892
205,490
3 : 204,635
204,929
4 : 206,588
5 : 203,501
204,724
204,853
204,854
205,183

Class D24

1 : 204,114
206,641

Class D25

1 : 203,758
203,832
205,185
205,189
205,525
10 : 203,442

Class D26

1 : 203,558
203,877
205,239
5 : 203,564
203,716
203,823
203,911
203,985
204,330
204,382
204,428
204,519
204,606
204,607
204,881
204,885
205,048
5 : 205,358
205,560
205,561
205,573
205,574
205,962
205,975
206,590
8 : 203,565
204,942
10 : 203,440
203,441
203,502
203,503
203,673
204,136
13 : 203,596
203,983
14 : 203,564
203,592
203,830
204,115
204,385
205,139
205,724
205,871
15 : 204,852
204,881
205,396
205,945

Class D29

1 : 204,550
204,551
204,599
204,718
204,741
205,028
2 : 203,964
11 : 203,598
204,934
20 : 206,217
23 : 203,545
203,735
204,192
204,288
205,519
28 : 205,854

Class D30

1 : 205,365

Class D31

2 : 205,052
3 : 203,778
4 : 203,829
204,211
204,720
204,893

Class D33

2 : 203,510
3 : 203,513
203,655
203,735
204,217
204,411
204,491
204,883
205,513
205,515
206,232
206,254
6 : 203,546
204,399
7 : 203,832
204,191
204,274
204,811
7 : 205,360
205,848
8 : 203,727
204,106
205,124
9 : 204,858
205,519
13 : 205,927
14 : 203,437
203,510
203,835
204,222
204,259
204,392
204,399
204,468
204,516
204,576
204,918
205,115
205,847
17 : 206,254
19 : 203,439
203,510
203,771
203,988
204,114
204,195
204,748
204,811
205,058
205,111
205,354
206,233
206,586

Class D34

2 : 203,398
203,958
204,118
204,119
204,183
204,405
205,272
205,273
206,496
206,504
4 : 204,768
204,769
206,223
3,253,282
5 : 203,587
204,390
204,894
205,102
205,353
205,978
11 : 204,472
204,473
204,795
13 : 203,916
14 : 204,849
15 : 203,418
203,509
204,394
204,405
204,406
204,481
204,550
204,551
204,677
204,768
204,769
204,776
204,788
204,893
205,156
205,184
205,266
205,267
205,268
15 : 205,351
205,830
205,838
205,944

Class D35

2 : 204,471
3 : 204,389
204,718

Class D36

2 : 204,072
8 : 204,146
204,165
204,322
205,300

Class D39

1 : 204,004

Class D40

1 : 203,844
204,005
205,404
206,604

Class D41

1 : 205,982

Class D42

1 : 205,102
205,147
7 : 203,725
204,494
205,147
3,285,694

Class D44

1 : 204,152
204,153
204,580
205,092
205,968
205,969
9 : 203,615
203,942
204,165
204,212
204,474
205,144
10 : 203,849
204,766
204,946
205,087
15 : 203,613
204,011
204,071
204,147
204,148
204,407
204,475
204,734
205,151
205,556
21 : 204,295
22 : 203,541
24 : 203,600
26 : 203,852
29 : 203,540
203,647
203,819
204,135
204,455
204,671
204,945
205,942
206,254

Class D45

1 : 204,741
4 : 205,541
10 : 203,792
16 : 205,147
19 : 203,617
204,298
206,587

Class D48

4 : 205,083
205,240
16 : 204,802
205,372
20 : 203,749
203,932
204,042
204,722
204,903
204,942
205,096
205,115
23 : 205,192
24 : 204,728
205,020
205,096
205,973
205,974
205,981
31 : 203,723
205,084
32 : 203,749
204,255
204,902
205,020
205,209

Class D49

6 : 3,230,648

Class D50

3 : 204,599
6 : 203,409
7 : 206,643

Class D51

1 : 206,647

Class D52

2 : 203,630
204,344
204,477
205,416
3 : 204,044
6 : 203,729
203,992
204,036
204,984
205,138
205,573
205,574
7 : 203,491

Class D54

1 : 203,676
204,057
1 : 204,483
204,552
205,232
2 : 204,223
204,382
204,582
7 : 204,889
12 : 203,943
204,153

Class D54 – Con.

204,296
204,478
204,788
205,034
205,539
13 : 204,559
204,620
204,634
204,651
204,660
205,088
206,516
14 : 203,768
204,772

Class D55

1 : 203,556
204,408
205,430

Class D56

4 : 203,919
203,938
204,143
204,387
205,073
9 : 206,243

Class D57

1 : 203,401
203,912
205,962

Class D58

2 : 203,570
2 : 204,616
5 : 205,736
6 : 205,196
8 : 204,997
9 : 203,686
204,192
204,288
11 : 204,464
12 : 3,261,530
.6 : 204,401
.6 : 204,421
.6 : 205,579
.6 : 205,580
.6 : 206,631
.7 : 204,775
13 : 204,356
204,475
204,787
205,014
205,140
206,237
206,497
17 : 203,541
203,787
203,925
204,095
204,364
204,947
204,961
204,962
204,963
205,369
205,969
26 : 203,421
204,547
204,827
204,896
206,254

Class D59

2 : 205,027
8 : 204,533

Class D61

1 : 203,444
203,597
203,678
203,748
206,491
206,514

Class D62

2 : 204,822
205,223
205,337
205,571
4 : 206,640

Class D64

10 : 204,554
11 : 203,675
203,989
203,990
204,106
204,384
204,940
205,709
205,842

Class D65

1 : 203,746

Class D67

3 : 203,385
203,407
204,340
204,871
205,029
205,215
205,260
4 : 205,278

Class D71

1 : 203,606
203,873
204,282
205,862
28 : 204,074

Class D72

1 : 204,003
205,860
3,229,250

Class D74

1 : 204,097
204,548
2 : 203,600
5 : 204,337
6 : 204,859
7 : 204,096
8 : 205,033
10 : 205,053
17 : 204,687

Class D80

3 : 206,218
206,219
5 : 204,775
8 : 204,134
9 : 203,510
203,982
203,998
204,113
204,388
204,389
204,403
204,479
9 : 204,493
204,851
204,885
205,123
205,514
205,520
206,254
10 : 203,857
204,006
205,289
11 : 205,067
205,260

Class D81

4 : 203,747
10 : 204,197
204,409
204,779
205,148
205,946
19 : 204,219
21 : 204,838
205,870
25 : 203,385
203,407
204,871
205,029
205,215
205,346

Class D82

2 : 206,237

Class D83

1 : 203,439
203,932
204,191
204,258
1 : 204,670
204,757
204,983
205,749
8 : 204,788
12 : 204,267

Class D85

2 : 203,510
8 : 204,917

Class D86

10 : 204,163
204,929
205,183

Class D87

3 : 203,869
203,922
204,533
204,818
205,421
5 : 203,919
204,532
204,936
204,937
204,974
205,103
205,111
11 : 204,777

Class D88

3 : 203,428
203,571
203,790
204,024
204,437
3 : 204,850
206,252
206,253

Class D89

1 : 205,416

Class D90

11 : 3,251,241

Class D91

1 : 203,608
203,693
204,536
205,289
206,250
2 : 204,766
3 : 204,461
204,670
205,827
4 : 204,388

Class D92

1 : 204,181
3,295,150

Class D93

2 : 204,091
204,092
4 : 203,700
203,948
204,206
205,407
205,408
205,409
205,538

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St. Louis, Washington U.
Rolla, School of Mines & Metallurgy, U. of Missouri
Warrensburg, Cent. Mo. State College

MONTANA

Bozeman, Montana State College
Missoula, State University of Montana

NEBRASKA

Hastings, Public Library
Kearney, Kearney State College
Lincoln, Nebraska State Library
Lincoln, University of Nebraska
Omaha, Public Library

NEVADA

Reno, University of Nevada

NEW HAMPSHIRE

Concord, New Hampshire State Library
Durham, Univ. of New Hampshire

NEW JERSEY

Atlantic City, Free Public Library
Bayonne, Free Public Library
Bloomfield, Free Public Library
Bridgeton, Cumberland County Library
Camden, Free Public Library
Elizabeth, Public Library
Glassboro, Glassboro State College
Jersey City, Free Public Library

NEW JERSEY—Continued

Newark, Public Library
New Brunswick, Rutgers University
Passaic, Public Library
Princeton, Princeton University
South Orange, Seton Hall University
Toms River, Ocean County Library
Trenton, Free Public Library
Woodbridge, Free Public Library

NEW MEXICO

Albuquerque, Univ. of New Mexico
Santa Fe, New Mexico State Library
Santa Fe, Supreme Court Law Library

NEW YORK

Albany, New York State Library
Binghamton, Harpur College
Brooklyn, Polytechnic Institute of Brooklyn
Brooklyn, Pratt Institute
Brooklyn, Public Library
Buffalo, Buffalo & Erie Co. Public Library
Buffalo, State Univ. of New York
Elmira, Elmira College
Farmingdale, Agricultural & Technical Institute, State University Library
Garden City, Nassau Library System
Greenvale, C. W. Post College
Huntington, Public Library
Ithaca, Cornell University
Jamaica, Queens Borough Public Library
Jamaica, St. Johns University
New York, Astor Branch Public Library
New York, City College
New York, Columbia University
New York, Lenox Branch Public Library
New York, N.Y. Law Institute
Potsdam, Clarkson College of Technology
Rochester, Public Library
Rochester, Univ. of Rochester
St. Bonaventure, St. Bonaventure College
Stony Brook, State University of New York
Syracuse, Syracuse University
Troy, Public Library
Utica, Public Library
Yonkers, Public Library

NORTH CAROLINA

Chapel Hill, University of N. Carolina
Charlotte, Public Library of Charlotte and Mecklenburg County
Charlotte, Univ. of North Carolina
Durham, Duke University
Greensboro, Agricultural & Technical College
Greensboro, Univ. of North Carolina
Raleigh, North Carolina State Univ.
Raleigh, N. Carolina State Library
Winston-Salem, Public Library
Winston-Salem, Wake Forest College

NORTH DAKOTA

Fargo, N. Dakota State Univ. of Agric. & Appl. Sc.
Grand Forks, Univ. of North Dakota

OHIO

Ada, Ohio Northern University College of Law
Akron, Public Library
Alliance, Mt. Union College
Athens, Ohio University
Bowling Green, Bowling Green State Univ.
Cincinnati, Public Library
Cleveland, Public Library
Columbus, Ohio State Library
Columbus, Ohio State University
Columbus, Public Library
Dayton, Public Library
Elyria, Public Library
Hiram, Hiram College
Marietta, Marietta College
Oxford, Miami Univ. Library
Rio Grande, Rio Grande College
Springfield, Warder Public Library
Toledo, Public Library
Toledo, University of Toledo
Youngstown, Public Library

OKLAHOMA

Enid, Public Library
Norman, Univ. of Oklahoma
Oklahoma City, Oklahoma State Library
Stillwater, Oklahoma State University
Tulsa, City-County Library
Tulsa, Univ. of Tulsa

OREGON

Corvallis, Oregon State University
Eugene, Univ. of Oregon
Portland, Library Association of Portland
Salem, Oregon State Library

PENNSYLVANIA

Bethlehem, Lehigh University
Bradford, Carnegie Public Library
East Stroudsburg, East Stroudsburg State College
Erie, Public Library
Greenville, Thiel College
Harrisburg, Pennsylvania State Library
Hazleton, Public Library
Lancaster, Franklin and Marshall College
Millersville, Millersville State College
Philadelphia, Free Library of Philadelphia
Philadelphia, Temple University
Pittsburgh, Allegheny Regional Branch Library
Pittsburgh, Bureau of Mines, Pittsburgh Coal Research Center
Pittsburgh, Carnegie Library of Pittsburgh
Pittsburgh, University of Pittsburgh
Reading, Public Library
Scranton, Public Library
University Park, The Pennsylvania State University
Villanova, Villanova University
Warren, Warren Library Association
Wilkes-Barre, King's College
Williamsport, James V. Brown Library

PUERTO RICO

Mayaguez, College of Agriculture
Rio Piedras, University of Puerto Rico General Library

RHODE ISLAND

Kingston, Univ. of Rhode Island
Providence, Public Library

SOUTH CAROLINA

Clemson, Clemson College
Columbia, Univ. of South Carolina

SOUTH DAKOTA

Brookings, South Dakota State University
Rapid City, Public Library
Rapid City, So. Dak. School of Mines & Tech.
Vermillion, Univ. of South Dakota

TENNESSEE

Chattanooga, Public Library
Jefferson City, Carson-Newman College
Johnson City, East Tennessee State University
Knoxville, Univ. of Tennessee
Memphis, Cossitt Reference Library
Nashville, Joint University Libraries
Nashville, Public Library
Nashville, Tennessee State Library and Archives

TEXAS

Abilene, Hardin Simmons University
Arlington, State College
Austin, Texas State Library
Austin, Univ. of Texas
Austin, Univ. of Texas Law Library
Beaumont, Lamar State College of Technology
Brownwood, Walker Memorial Library
College Station, Texas A. & M. University
Dallas, Public Library
Dallas, Southern Methodist University
Denton, North Texas State University
Edinburg, Pan American College
El Paso, Public Library
Fort Worth, Public Library
Fort Worth, Texas Christian University
Galveston, Rosenberg Library
Houston, Public Library
Kingsville, Texas College of Arts & Industries
Longview, Nicholson Memorial Library
Lubbock, Texas Technological College
Nacogdoches, Stephen F. Austin State College
Plainview, Wayland Baptist College
San Antonio, Public Library
San Antonio, St. Mary's University
San Antonio, Trinity University
San Marcos, Southwest Texas State College
Waco, Baylor University
Wichita Falls, Midwestern Univ.

UTAH

Logan, Utah State Univ. of Agric. & Applied Science
Provo, Brigham Young University
Salt Lake City, Univ. of Utah

VERMONT

Burlington, Univ. of Vermont
Northfield, Norwich University
Putney, Dorothy Marvin Library

VIRGINIA

Blacksburg, Virginia Polytechnic Institute
Emory, Emory and Henry College
Norfolk, Public Library
Richmond, Virginia State Library
Roanoke, Public Library
University, University of Virginia

WASHINGTON

Cheney, Eastern Wash. State College
Ellensburg, Central Washington State College
Glenville, Glenville State College
Olympia, Washington State Library
Pullman, Washington State University
Seattle, Public Library
Seattle, Univ. of Washington
Spokane, Public Library
Tacoma, Public Library
Vancouver, Fort Vancouver Regional Library
Walla Walla, Whitman College

WEST VIRGINIA

Huntington, Marshall University
Institute, West Virginia State College
Morgantown, West Virginia University

WISCONSIN

Appleton, Lawrence College
Beloit, Beloit College Libraries
La Crosse, Wisconsin State University
La Crosse, Public Library
Madison, State Historical Society
Madison, Univ. of Wisconsin
Milwaukee, Public Library
Oshkosh, Wisconsin State University
Racine, Public Library
Stevens Point, Wisconsin State College
Whitewater, Wisconsin State College

WYOMING

Cheyenne, Wyoming State Library
Laramie, Univ. of Wyoming

SUMMARY OF THE NUMBER OF PATENTS ISSUED ANNUALLY, 1836–1966

Year	The number of the first patent issued in each calendar year [1]				The number of patents issued in each calendar year [2]			
	Invention	Reissue	Design	Plant	Invention	Reissue	Design	Plant
1836	1	[3]	----------	----------	103	6	----------	----------
1837	110	[3]	----------	----------	426	10	----------	----------
1838	546	1	----------	----------	514	6	----------	----------
1839	1, 106	7	----------	----------	404	13	----------	----------
1840	1, 465	20	----------	----------	458	10	----------	----------
1841	1, 923	30	----------	----------	490	6	----------	----------
1842	2, 413	36	----------	----------	488	13	1	----------
1843	2, 901	49	1	----------	493	11	14	----------
1844	3, 395	60	15	----------	478	7	12	----------
1845	3, 873	67	27	----------	473	11	17	----------
1846	4, 348	78	44	----------	566	13	59	----------
1847	4, 914	91	103	----------	495	14	60	----------
1848	5, 409	105	163	----------	583	23	46	----------
1849	5, 993	128	209	----------	984	30	49	----------
1850	6, 981	158	258	----------	883	26	83	----------
1851	7, 865	184	341	----------	752	25	90	----------
1852	8, 622	209	431	----------	885	20	109	----------
1853	9, 512	229	540	----------	844	29	86	----------
1854	10, 358	258	626	----------	1, 755	28	57	----------
1855	12, 117	286	683	----------	1, 881	51	70	----------
1856	14, 009	337	753	----------	2, 302	83	107	----------
1857	16, 324	420	860	----------	2, 674	97	113	----------
1858	19, 010	517	973	----------	3, 455	126	102	----------
1859	22, 477	643	1, 075	----------	4, 160	231	107	----------
1860	26, 642	874	1, 183	----------	4, 357	232	183	----------
1861	31, 005	1, 106	1, 366	----------	3, 020	147	142	----------
1862	34, 045	1, 253	1, 508	----------	3, 214	116	195	----------
1863	37, 266	1, 369	1, 703	----------	3, 773	227	176	----------
1864	41, 047	1, 596	1, 879	----------	4, 630	248	139	----------
1865	45, 685	1, 844	2, 018	----------	6, 088	296	221	----------
1866	51, 784	2, 140	2, 239	----------	8, 863	290	294	----------
1867	60, 658	2, 430	2, 533	----------	12, 277	400	325	----------
1868	72, 959	2, 830	2, 858	----------	12, 526	420	445	----------
1869	85, 503	3, 250	3, 304	----------	12, 931	534	506	----------
1870	98, 460	3, 784	3, 810	----------	12, 137	439	737	----------
1871	110, 617	4, 223	4, 547	----------	11, 659	464	903	----------
1872	122, 304	4, 687	5, 452	----------	12, 180	529	884	----------
1873	134, 504	5, 216	6, 336	----------	11, 616	501	747	----------
1874	146, 120	5, 717	7, 083	----------	12, 230	483	886	----------
1875	158, 350	6, 200	7, 969	----------	13, 291	631	915	----------
1876	171, 641	6, 831	8, 884	----------	14, 169	621	802	----------
1877	185, 813	7, 452	9, 686	----------	12, 920	568	699	----------
1878	198, 733	8, 020	10, 385	----------	12, 345	509	590	----------
1879	211, 078	8, 529	10, 975	----------	12, 125	488	591	----------
1880	223, 211	9, 017	11, 567	----------	12, 903	506	514	----------
1881	236, 137	9, 523	12, 082	----------	15, 500	471	565	----------
1882	251, 685	9, 994	12, 647	----------	18, 091	271	858	----------
1883	269, 820	10, 265	13, 508	----------	21, 162	167	1, 017	----------
1884	291, 016	10, 432	14, 528	----------	19, 118	116	1, 150	----------
1885	310, 163	10, 548	15, 678	----------	23, 285	129	769	----------
1886	333, 494	10, 677	16, 451	----------	21, 767	116	594	----------
1887	355, 291	10, 793	17, 046	----------	20, 403	99	948	----------
1888	375, 720	10, 892	17, 995	----------	19, 551	86	832	----------
1889	395, 305	10, 978	18, 830	----------	23, 324	75	723	----------

See footnotes at end of table.

SUMMARY OF THE NUMBER OF PATENTS ISSUED ANNUALLY, 1836–1966—Continued

Year	The number of the first patent issued in each calendar year [1]				The number of patents issued in each calendar year [2]			
	Invention	Reissue	Design	Plant	Invention	Reissue	Design	Plant
1890	418, 665	11, 053	19, 553		25, 313	84	886	
1891	443, 987	11, 137	20, 439		22, 312	80	835	
1892	466, 315	11, 217	21, 275		22, 647	81	816	
1893	488, 976	11, 298	22, 092		22, 750	99	899	
1894	511, 744	11, 397	22, 994		19, 855	64	927	
1895	531, 619	11, 461	23, 922		20, 856	59	1, 108	
1896	552, 502	11, 520	25, 037		21, 822	61	1, 441	
1897	574, 369	11, 581	26, 482		22, 067	65	1, 620	
1898	596, 467	11, 646	28, 113		20, 377	60	1, 799	
1899	616, 871	11, 706	29, 916		23, 278	92	2, 137	
1900	640, 167	11, 798	32, 055		24, 644	81	1, 754	
1901	664, 827	11, 879	33, 813		25, 546	81	1, 729	
1902	690, 385	11, 960	35, 547		27, 119	110	639	
1903	717, 521	12, 070	36, 187		31, 029	117	536	
1904	748, 567	12, 189	36, 723		30, 258	110	553	
1905	778, 834	12, 299	37, 280		29, 775	129	486	
1906	808, 618	12, 428	37, 766		31, 170	159	620	
1907	839, 799	12, 587	38, 391		35, 859	151	589	
1908	875, 679	12, 738	38, 980		32, 735	168	755	
1909	908, 436	12, 906	39, 737		36, 561	160	679	
1910	945, 010	13, 066	40, 424		35, 141	123	636	
1911	980, 178	13, 189	41, 063		32, 856	157	1, 004	
1912	1, 013, 095	13, 346	42, 073		36, 198	158	1, 341	
1913	1, 049, 326	13, 504	43, 415		33, 917	164	1, 677	
1914	1, 083, 267	13, 668	45, 098		39, 892	190	1, 711	
1915	1, 123, 212	13, 858	46, 813		43, 118	182	1, 538	
1916	1, 166, 419	14, 040	48, 358		43, 892	198	1, 745	
1917	1, 210, 389	14, 238	50, 117		40, 935	179	1, 505	
1918	1, 251, 458	14, 417	51, 629		38, 452	165	1, 206	
1919	1, 290, 027	14, 582	52, 836		36, 797	203	1, 521	
1920	1, 326, 899	14, 785	54, 359		37, 060	233	2, 481	
1921	1, 364, 063	15, 018	56, 844		37, 798	239	3, 265	
1922	1, 401, 948	15, 257	60, 121		38, 369	256	1, 609	
1923	1, 440, 362	15, 513	61, 748		38, 616	226	1, 927	
1924	1, 478, 996	15, 739	63, 675		42, 574	235	2, 670	
1925	1, 521, 590	15, 974	66, 346		46, 432	266	2, 819	
1926	1, 568, 040	16, 240	69, 170		44, 733	275	2, 597	
1927	1, 612, 700	16, 515	71, 772		41, 717	326	2, 387	
1928	1, 654, 521	16, 841	74, 159		42, 357	335	3, 182	
1929	1, 696, 897	17, 176	77, 347		45, 267	374	2, 905	
1930	1, 742, 181	17, 550	80, 254		45, 226	367	2, 710	
1931	1, 787, 424	17, 917	82, 966	1	51, 756	395	2, 935	5
1932	1, 839, 190	18, 312	85, 903	6	53, 458	393	2, 942	46
1933	1, 892, 663	18, 705	88, 847	52	48, 774	333	2, 411	33
1934	1, 941, 449	19, 038	91, 258	85	44, 420	371	2, 919	32
1935	1, 985, 878	19, 409	94, 179	117	40, 618	395	3, 864	45
1936	2, 026, 516	19, 804	98, 045	162	39, 782	422	4, 556	49
1937	2, 066, 309	20, 226	102, 601	211	37, 683	384	5, 136	55
1938	2, 104, 004	20, 610	107, 738	266	38, 061	349	5, 026	41
1939	2, 142, 080	20, 959	112, 765	307	43, 073	352	5, 592	45
1940	2, 185, 170	21, 311	118, 358	352	42, 238	372	6, 145	85
1941	2, 227, 418	21, 683	124, 503	437	41, 109	309	6, 486	62
1942	2, 268, 540	21, 992	130, 989	499	38, 449	250	3, 728	65
1943	2, 307, 007	22, 242	134, 717	564	31, 054	173	2, 228	47
1944	2, 338, 081	22, 415	136, 946	611	28, 053	170	2, 914	38
1945	2, 366, 154	22, 585	139, 862	649	25, 695	121	3, 524	17
1946	2, 391, 856	22, 706	143, 386	666	21, 803	121	2, 778	56
1947	2, 413, 675	22, 827	146, 165	722	20, 139	130	2, 102	52
1948	2, 433, 824	22, 957	148, 267	774	23, 963	111	3, 968	44
1949	2, 457, 797	23, 068	152, 235	818	35, 131	118	4, 450	93

See footnotes at end of table.

SUMMARY OF THE NUMBER OF PATENTS ISSUED ANNUALLY, 1836–1966—Continued

Year	The number of the first patent issued in each calendar year [1]				The number of patents issued in each calendar year [2]			
	Invention	Reissue	Design	Plant	Invention	Reissue	Design	Plant
1950	2, 492, 944	23, 186	156, 686	911	43, 040	129	4, 718	89
1951	2, 536, 016	23, 315	161, 404	1, 001	44, 326	134	4, 163	58
1952	2, 580, 379	23, 449	165, 568	1, 059	43, 616	163	2, 959	101
1953	2, 624, 046	23, 612	168, 527	1, 160	40, 468	151	2, 713	78
1954	2, 664, 562	23, 763	171, 241	1, 238	33, 809	155	2, 536	101
1955	2, 698, 434	23, 918	173, 777	1, 339	30, 432	187	2, 713	103
1956	2, 728, 913	24, 105	176, 490	1, 442	46, 817	158	2, 977	101
1957	2, 775, 762	24, 263	179, 467	1, 543	42, 744	150	2, 362	129
1958	2, 818, 567	24, 413	181, 829	1, 672	48, 330	170	2, 374	120
1959	2, 866, 973	24, 584	184, 204	1, 792	52, 408	177	2, 768	101
1960	2, 919, 443	24, 761	186, 973	1, 893	47, 170	157	2, 543	116
1961	2, 966, 681	24, 918	189, 516	2, 009	48, 368	189	2, 487	108
1962	3, 015, 103	25, 107	192, 004	2, 117	55, 691	202	2, 300	91
1963	3, 070, 801	25, 309	194, 304	2, 208	45, 679	198	2, 965	129
1964	3, 116, 487	25, 507	197, 269	2, 337	47, 376	200	2, 686	128
1965	3, 163, 865	25, 707	199, 955	2, 465	62, 857	246	3, 424	120
1966	3, 226, 729	25, 953	203, 379	2, 585	68, 405	179	3. 188	114
1967	3. 295, 143	26, 132	206, 567	2. 699				

[1] The patent numbering system began with a patent issued on July 13, 1836 under the Patent Act adopted July 4, 1836. Up to this time, a total of 9,957 patents had been issued.

[2] The number of patents issued during a year may be fewer than the number derived by subtracting the number of the first patent issued in one year from the number of the first patent issued in the next year. Some numbers in the series may not be used. This results when an application scheduled to be patented and to which a patent number is assigned is withdrawn for some reason at a time when it is too late to reassign that number.

[3] Not separately numbered until 1838.

LIST OF PATENT, DESIGN, PLANT PATENT, AND REISSUE NUMBERS APPEARING IN THE INDIVIDUAL ISSUES OF THE OFFICIAL GAZETTE FOR 1966

Issue of	Vol.	No.	First Number in Issue			
			Patents	Designs	Plant Patents	Reissues
Jan. 4	822	1	3, 226, 729	203, 379	2, 585	None
Jan. 11		2	3, 228, 033	203, 435	2, 586	None
Jan. 18		3	3, 229, 303	203, 495	2, 587	None
Jan. 25		4	3, 230, 544	203, 528	None	None
Feb. 1	823	1	3, 231, 896	203, 576	2, 591	None
Feb. 8		2	3, 233, 248	203, 651	2, 599	None
Feb. 15		3	3, 234, 563	203, 738	2, 602	None
Feb. 22		4	3, 235, 880	203, 800	2, 603	25, 953
Mar. 1	824	1	3, 237, 201	203, 924	None	25, 969
Mar. 8		2	3, 238, 535	203, 963	None	25, 978
Mar. 15		3	3, 239, 842	204, 049	2, 606	None
Mar. 22		4	3, 241, 153	204, 126	2, 609	25, 982
Mar. 29		5	3, 242, 499	204, 185	None	25, 994
Apr. 5	825	1	3, 243, 822	204, 225	2, 616	None
Apr. 12		2	3, 245, 086	204, 361	2, 619	None
Apr. 19		3	3, 246, 337	204, 443	2, 621	None
Apr. 26		4	3, 247, 520	204, 538	2, 623	25, 999
May 3	826	1	3, 248, 738	204, 588	2, 628	26, 009
May 10		2	3, 249, 948	204, 657	None	26, 020
May 17		3	3, 251, 065	204, 727	None	26, 023
May 24		4	3, 252, 166	204, 863	2, 630	26, 029
May 31		5	3, 253, 281	204, 927	2, 637	None
June 7	827	1	3, 254, 348	204, 971	2, 641	None
June 14		2	3, 255, 459	205, 026	None	26, 034
June 21		3	3, 256, 528	205, 054	2, 645	None
June 28		4	3, 257, 666	205, 123	2, 647	26, 044
July 5	828	1	3, 258, 779	205, 177	2, 648	26, 053
July 12		2	3, 259, 908	205, 209	2, 657	None
July 19		3	3, 261, 024	205, 279	None	26, 061
July 26		4	3, 262, 125	205, 339	None	None
Aug. 2	829	1	3, 263, 235	205, 394	2, 660	26, 068
Aug. 9		2	3, 264, 654	205, 438	None	None
Aug. 16		3	3, 266, 056	205, 492	None	None
Aug. 23		4	3, 267, 486	205, 583	2, 662	None
Aug. 30		5	3, 268, 911	205, 609	2, 666	None
Sept. 6	830	1	3, 270, 351	205, 651	2, 667	26, 073
Sept. 13		2	3, 271, 778	205, 702	2, 671	None
Sept. 20		3	3, 273, 162	205, 750	None	26, 078
Sept. 27		4	3, 274, 612	205, 824	2, 672	None
Oct. 4	831	1	3, 276, 034	205, 881	2, 674	None
Oct. 11		2	3, 277, 496	205, 923	2, 676	26, 093
Oct. 18		3	3, 278, 943	205, 986	2, 681	None
Oct. 25		2	3, 280, 402	206, 047	None	None
Nov. 1	832	1	3, 281, 863	206, 113	2, 682	26, 104
Nov. 8		2	3, 283, 336	206, 145	2, 684	26, 109
Nov. 15		3	3, 284, 805	206, 217	None	None
Nov. 22		4	3, 286, 274	206, 256	2, 686	26, 114
Nov. 29		5	3, 287, 737	206, 317	2, 687	26, 117
Dec. 6	833	1	3, 289, 212	206, 370	2, 688	26, 119
Dec. 13		2	3, 290, 693	206, 424	2, 691	26, 123
Dec. 20		3	3, 292, 179	206, 479	None	26, 128
Dec. 27		4	3, 293, 659	206, 518	2, 694	26, 130
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OFFICIAL GAZETTE
UNITED STATES PATENT OFFICE

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